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	Up to 6300 A (AC), IEC
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1/95	Options
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Ch. 12	**3KC ATC5300 and NEW ATC3100 transfer control devices**

For further information on 3WL5,
see Catalog LV 16

For further technical product information:

Configuration Manual

Air Circuit Breakers
Article No.: 3ZW1012-3WL11-0AC1

Siemens Industry Online Support:

www.siemens.com/lowvoltage/product-support

→ Entry type:
- Application example
- Certificate
- Characteristic
- Download
- FAQ
- Manual
- Product note
- Software archive
- Technical data

NEW

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

Article No.
www.siemens.com/product?Article No.
3VA2025-5HL36-0AA0

Paper catalog:
To get more product information enter the Web address plus Article No.

PDF catalog:
Get more product information with just a mouse click.

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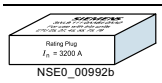
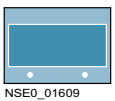
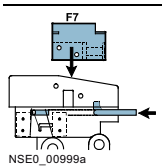
Overview

Devices		Page		Applications/ Individual components	Standards	Used in		
		3WL1	3WL5			Non-residential buildings	Residential buildings	Industry
	3WL1 air circuit breakers/ non-automatic air circuit breakers up to 6300 A (AC), IEC	1/16 ... 1/43	--	As incoming-feeder, distribution, tie, and outgoing-feeder circuit breakers in electrical installations. For switching and protecting motors, capacitors, generators, transformers, busbars and cables.	IEC 60947-2, climate-proof acc. to IEC 60068-2-30 CCC	✓	--	✓
	3WL1 non-automatic air circuit breakers up to 4000 A (DC), IEC	1/76 ... 1/78	--	As incoming-feeder, distribution, tie, and outgoing-feeder circuit breakers in electrical installations. For switching and protecting busbars and cables.	IEC 60947-2, climate-proof acc. to IEC 60068-2-30 CCC	✓	--	✓
	3WL5 air circuit breakers up to 5000 A (AC), UL 489/IEC 60947-2	--	1/90 ... 1/93	As incoming-feeder, distribution, tie, and outgoing-feeder circuit breakers in electrical installations. For switching and protecting motors, capacitors, generators, transformers, busbars and cables.	UL 489, UL 489B, IEC 60947-2 IEC 60947-2 appendix F/CISPR 11/22 Class B DIN VDE 0660 Part 101 climate-proof acc. to IEC 60068-2-30 CCC	✓	--	✓
	3WL5 air circuit breakers up to 3200 A (DC), UL 489B/IEC 60947-2	--	1/94	As incoming-feeder, distribution, tie, and outgoing-feeder circuit breakers in electrical installations. For switching and protecting busbars and cables.	UL 489, UL 489B, IEC 60947-2 IEC 60947-2 appendix F/CISPR 11/22 Class B DIN VDE 0660 Part 101 climate-proof acc. to IEC 60068-2-30 CCC	✓	--	✓
	Protective device with device holder and optional measurement function (ETU)	1/58	1/104	Electronic Trip Unit with protection functions LI, LSI, LSING and LSIN(G), with or without measurement function *Plus*	As for circuit breakers	✓	--	✓
 NSE0_00992b	**Rating Plugs**	1/58	1/104	For rated currents I_n from 250 A to 6300 A. The maximum rated current of the circuit breaker must not be exceeded.	As for circuit breakers	✓	--	✓
NSE0_01027a	**Ground-fault modules**	1/58	1/104	With alarm and tripping	As for circuit breakers	✓	--	✓
 NSE0_01609	**Displays**	1/58	1/104	4-line displays for ETU45B	As for circuit breakers	✓	--	✓
NSE0_00990a	**Current transformers for N conductor protection**	1/58	1/104	Internal transformers for N conductors, external transformers for N conductors	As for circuit breakers	✓	--	✓
	EMC filters	1/58	1/104	Common-mode interference suppressor filters	As for circuit breakers	✓	--	✓
 NSE0_00999a	**More accessories for Electronic Trip Units**	1/59	1/105	Sealable and lockable covers, automatic reset of the reclosing lockout, remote reset solenoid, retrofittable internal **Cubicle**BUS wiring, retrofittable internal wiring for connection of external N and G transformers	As for circuit breakers	✓	--	✓

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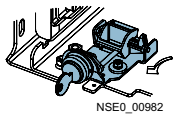
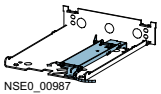
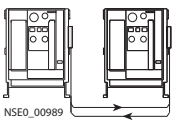
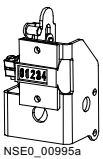
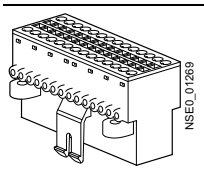
Devices		Page		Applications/ Individual components	Standards	Used in		
		3WL1	3WL5			Non-residential buildings	Residential buildings	Industry
 NSE0_00982	**Locking devices**	1/59	1/105	Interlocking set for mechanical ON/OFF, locking devices against unauthorized closing in operator panels/for withdrawable circuit breakers, locking devices for operating mechanism handle with padlock, locking devices to prevent movement of the withdrawable circuit breakers, interlocking systems	As for circuit breakers	✓	--	✓
 NSE0_00987	**Locking mechanisms**	1/60	1/106	To prevent movement of the withdrawable circuit breakers into disconnected position, to prevent opening of the cabinet door in ON position, to prevent opening of the cabinet door, to prevent movement with the cabinet door open	As for circuit breakers	✓	--	✓
 NSE0_00989	**Interlocks**	1/61	1/107	Mutual mechanical interlocking, couplings on the circuit breaker (with ring) for mutual interlocking, Bowden wire	As for circuit breakers	✓	--	✓
	3KC ATC5300 and NEW ATC3100 transfer control devices	Ch. 12	Ch. 12	The 3KC ATC5300 and ATC3100 transfer control devices, equipped with two circuit breakers with motorized operating mechanism, serve as a transfer system that automatically or manually switches between two power supply systems in low-voltage power distribution applications.	IEC 60947-6-1 DIN VDE 0660-114 UL 508 CSA 22.2 No. 14	✓	✓	✓
	Test devices	1/61	1/107	Manual tester Release 2 for Electronic Trip Units, function testers	As for circuit breakers	✓	--	✓
	Capacitor storage devices	1/61	1/107	For shunt releases	As for circuit breakers	✓	--	✓
 NSE0_00995a	**Indicators, control elements**	1/62	1/108	Ready-to-close signaling switches, signaling switches, tripped signaling switches, operating cycles counters, stored energy status signaling switches, position signaling switches for guide frames, electric ON buttons, motor shutdown switches, EMERGENCY-STOP buttons	As for circuit breakers	✓	--	✓
 NSE0_01269	**Auxiliary conductor connections**	1/63	1/109	Male connectors for circuit breakers, extension for 1000 V male connector versions, male connectors and extension for 1000 V, auxiliary supply connectors for circuit breakers or guide frames, coding kits, sliding contacts for guide frames, blanking blocks for circuit breakers	As for circuit breakers	✓	--	✓
	Auxiliary release	1/64	1/110	Closing solenoids/shunt releases, undervoltage releases	As for circuit breakers	✓	--	✓
	Operating mechanisms	1/64	1/110	Motorized operating mechanism	As for circuit breakers	✓	--	✓
	Auxiliary contacts	1/64	1/110	Auxiliary switch blocks	As for circuit breakers	✓	--	✓
	Door sealing frames, hoods, shutters	1/65	1/111	Door sealing frames, IP55 protective covers, shutters	As for circuit breakers	✓	--	✓
	Arc chutes	1/65	--	Arc chutes, arc chute covers	As for circuit breakers	✓	--	✓

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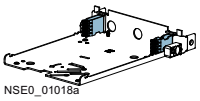
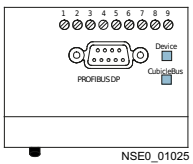
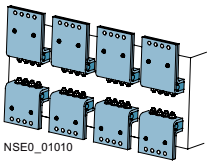
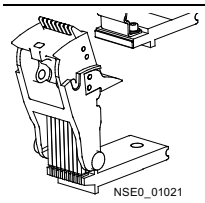
Devices		Page		Applications/ Individual components	Standards	Used in		
		3WL1	3WL5			Non-residential buildings	Residential buildings	Industry
	Coding for withdrawable version	1/65	1/111	By customer, for 36 coding variants	As for circuit breakers	✓	--	✓
 NSE0_01018a	**Grounding connection**	1/66	--	Grounding connection between the guide frame and the withdrawable circuit breaker, contacting modules for withdrawable circuit breakers	As for circuit breakers	✓	--	✓
	Support brackets	1/66	1/112	For mounting fixed-mounted circuit breakers on vertical plane	As for circuit breakers	✓	--	✓
	CubicleBUS modules	1/66	1/112	Digital and analog input and output modules, Zone Selective Interlocking modules	As for circuit breakers	✓	--	✓
	Parameterization systems	1/66	1/112	Breaker Data Adapter (BDA), BDA *Plus*, connection cables for BDA *Plus*, powerconfig parameterization software	As for circuit breakers	✓	--	✓
	Accessories for communications	1/67	1/113	Factory-fitted cables for CubicleBUS modules, SENTRON manuals for communication solutions, voltage transformers	As for circuit breakers	✓	--	✓
 NSE0_01025	**Retrofitting and spare parts**	1/67	1/113	PROFIBUS retrofit kits, COM15 PROFIBUS modules, COM16 MODBUS modules, MODBUS IEC retrofit kits, Breaker Status Sensor (BSS), measurement function *Plus*	As for circuit breakers	✓	--	✓
 NSE0_01010	**Main conductor connections, fixed-mounted, main conductor connections, withdrawable**	1/68, 1/69	1/114, 1/115	Front-accessible main connections with double or single hole, rear vertical main connections, rear horizontal main connections, circuit connecting flanges, supports for front and DIN connecting bars	As for circuit breakers	✓	--	✓
	Conversion sets	1/70	1/115	Conversion set for converting fixed-mounted circuit breakers into withdrawable circuit breakers	As for circuit breakers	✓	--	✓
 NSE0_01021	**Main contact elements**	1/70	--	For replacement of the main contacts during maintenance and thus to boost the useful life of the breaker.	As for circuit breakers	✓	--	✓
	Withdrawable short-circuiting, grounding and bridging units	1/71	--	For use during maintenance work on the system.	As for circuit breakers	✓	--	✓

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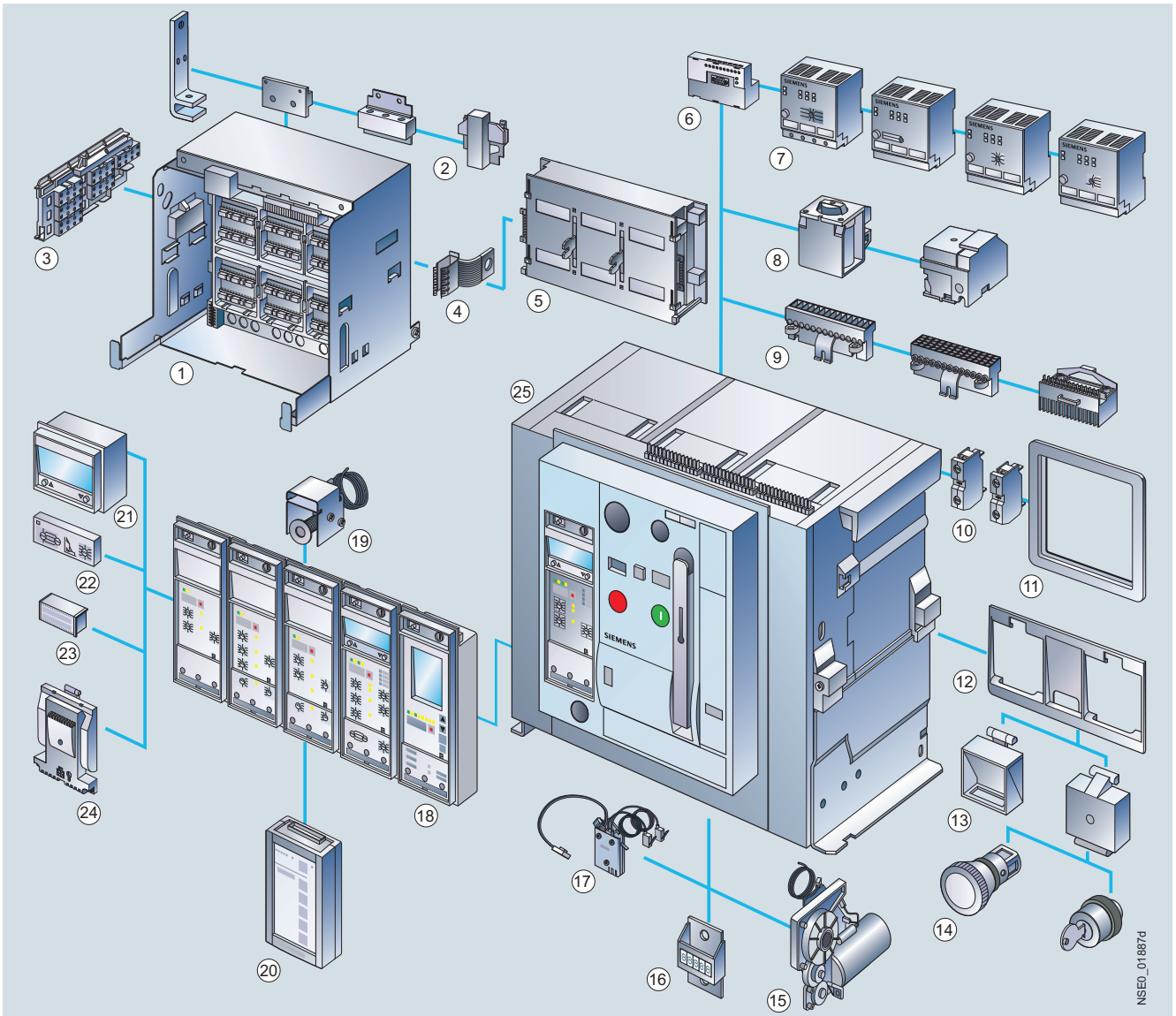
Overview

3WL1 air circuit breakers offer highly flexible application and consistent communication capability. With the 3WL1 circuit breakers, just three sizes cover a performance range of 630 A to 6300 A. All models are characterized by the same design, the same operation and the same comprehensive accessories.



① Guide frame (page 1/52 to page 1/57)
② Main circuit connection front, flange, horizontal, vertical (page 1/49, 1/68 and 1/69)
③ Position signaling switch (page 1/47 and 1/62)
④ Grounding connection, leading (page 1/66)
⑤ Shutters (page 1/47 and 1/65)
⑥ COM15 PROFIBUS module or COM16 MODBUS module (page 1/47 and 1/67)
⑦ External **Cubicle**BUS modules (page 1/66)
⑧ Closing coil, auxiliary release (page 1/44, 1/46 and 1/64)
⑨ Auxiliary conductor plug-in system (page 1/48 and 1/63)
⑩ Auxiliary switch block (page 1/44 and 1/64)
⑪ Door sealing frame (page 1/46 and 1/65)
⑫ Interlocking set for mechanical ON/OFF (page 1/59)
⑬ Transparent panel, function insert (page 1/59)
⑭ EMERGENCY-STOP pushbutton, key operated (page 1/62)
⑮ Motorized operating mechanism (page 1/46 und 1/64)
⑯ Operating cycles counter (page 1/46 and 1/62)
⑰ Breaker Status Sensor (BSS) (page 1/47 and 1/67)
⑱ Protective device with device holder, Electronic Trip Unit (ETU) (page 1/58)
⑲ Remote reset solenoid (page 1/46 and 1/59)
⑳ Breaker Data Adapter (BDA *Plus*) (page 1/66)
㉑ Four-line display (page 1/58)
㉒ Ground-fault protection module (page 1/58)
㉓ Rating plug (page 1/45 and 1/58)
㉔ Measurement function module (page 1/47 and 1/58)
㉕ Air circuit breaker (page 1/16 to 1/43)

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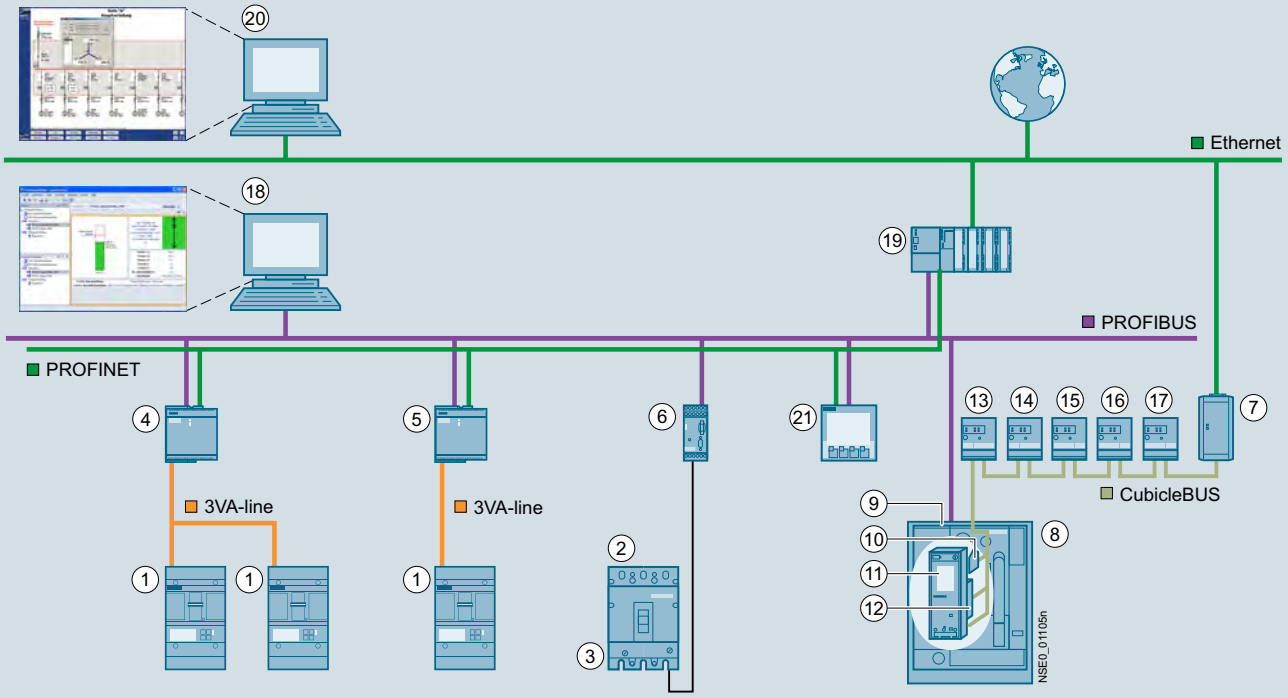
Introduction

Overview

Communication-capable circuit breakers (with ETU45B or ETU76B Electronic Trip Unit)



1 3VA molded case circuit breakers
2 3VL molded case circuit breakers
3 Electronic trip unit ETU / LCD ETU
4 COM800 breaker data server
5 COM100 breaker data server
6 COM20 Release 2 PROFIBUS module including Zone Selective Interlocking
7 BDA *Plus* with Ethernet interface
8 3WL air circuit breaker
9 COM15 PROFIBUS module
10 Breaker status sensor (BSS)
11 Electronic trip unit (ETU)
12 Measurement function *Plus*
13 Zone Selective Interlocking module
14 Digital output module with relay contacts
15 Digital output module with relay contacts, configurable
16 Analog output modules
17 Digital input modules
18 Configuration software powerconfig V2.3 and higher
19 PLC, e.g. SIMATIC S7
20 E.g. SIMATIC powerrate
21 7KM PAC measuring devices

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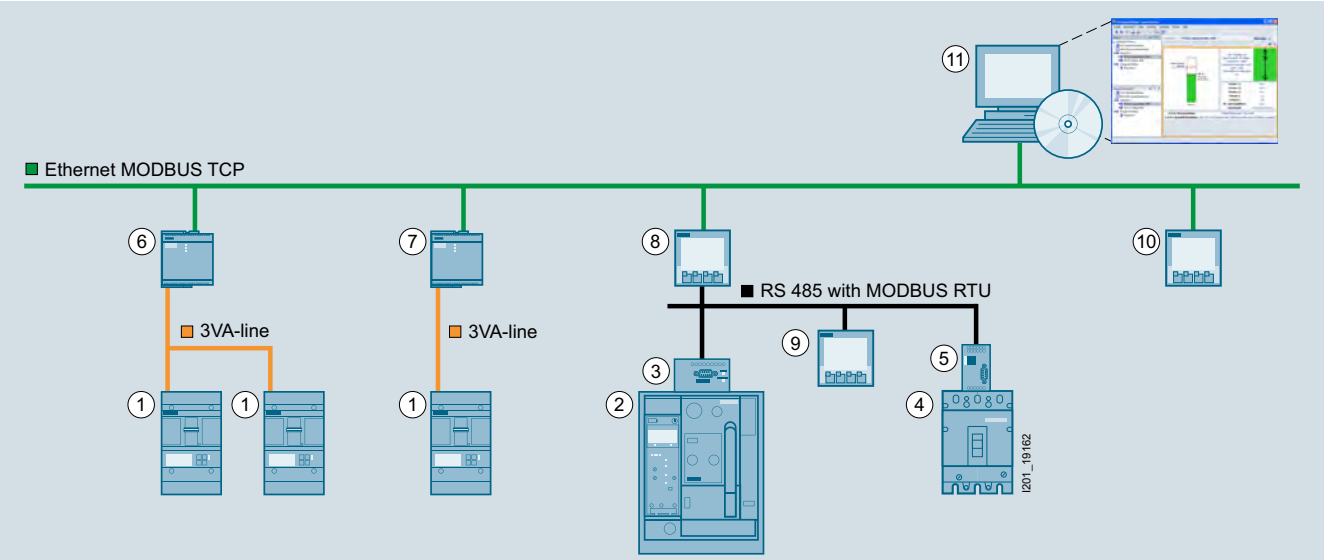

1 3VA molded case circuit breakers
2 3WL air circuit breaker
3 COM16 MODBUS module
4 3VL molded case circuit breaker
5 COM21 MODBUS module
6 COM800 breaker data server
7 COM100 breaker data server
8 7KM PAC4200 measuring device
9 7KM PAC3100 measuring device
10 7KM PAC3200 measuring device
11 powerconfig configuration software from V2.3

Characteristics

- Coordinated communication concept using the PROFIBUS DP or MODBUS, ranging from 16 A to 6300 A with 3VL molded case circuit breakers and 3WL air circuit breakers
- The high level of modularity of circuit breakers and accessories allows easy retrofitting of all communication components
- Significant additional benefits for the switchboard due to the possibility of linking up external input and output modules to the circuit breaker-internal **Cubicle**BUS of the 3WL air circuit breaker
- Innovative software products for parameterization, operation, monitoring, and diagnostics of circuit breakers, both locally or via PROFIBUS DP, MODBUS or Ethernet/Intranet/Internet
- Complete integration of the circuit breakers into the Totally Integrated Power and Totally Integrated Automation solutions

Communication:

- For air circuit breakers with optional communication function (ETU45B or ETU76B Electronic Trip Unit), see page 1/16 to page 1/43.
- For accessories, see page 1/66 and page 1/67.
- For more information, see chapter "Measuring Devices and Power Monitoring" and see chapter "Monitoring Devices".
- For configuring information, also see Configuration Manual "Air Circuit Breakers" at www.siemens.com/lowvoltage/manuals.

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Benefits

Low space requirements

The 3WL1 air circuit breakers require very little space. Size I devices (up to 2000 A) fit into a 400 mm wide switchboard panel. Size III devices (up to 6300 A) are the smallest of their kind and with their construction width of 704 mm fit into an 800 mm wide switchboard panel.

Modular design

Components such as auxiliary releases, motorized operating mechanisms, Electronic Trip Units, current sensors, auxiliary circuit signaling switches, automatic reset devices, interlocks and engagement operating mechanisms can all be exchanged or retrofitted at a later stage, thus allowing the circuit breaker to be adapted to new, changing requirements.

The main contact elements can all be replaced in order to increase the endurance of the circuit breaker.

Retrofittable modules for Electronic Trip Units

Modularity is one of the main features of the new 3WL1 circuit breakers.
Special LCDs, ground-fault modules, rating plugs and communication modules for the Electronic Trip Units are available for fast and easy retrofitting and adaptation to changing requirements.

Communication/measuring functions

The use of modern communication-capable circuit breakers opens up completely new possibilities in terms of start-up, parameterization, diagnostics, maintenance and operation. This allows many different ways of reducing costs and improving productivity in industrial plants, buildings and infrastructure projects to be achieved:

- Fast and reliable parameterization
- Timely information and response can prevent plant stoppages
- Effective diagnostics management
- Measured values are the basis for efficient load management, for drawing up power demand profiles and for allocating energy to cost centers
- Preventive maintenance reduces the risk of expensive plant downtimes
- Measurement function with a very wide range of measured values, such as current, voltage, energy, power etc.
- Can be used in 690 V networks

Application

- As incoming-feeder, distribution, tie, and outgoing-feeder circuit breakers in electrical installations.
- For switching and protecting motors, capacitors, generators, transformers, busbars and cables.

When connected to an electronic I&C system, the air circuit breakers offer a wide range of options for monitoring network events.

Air circuit breakers belong to the SENTRON product family of protection, switching, measuring and monitoring devices and can be used in applications between 16 A and 6300 A.

The AC devices are available as circuit breakers and non-automatic air circuit breakers. DC devices are only available as non-automatic air circuit breakers.

Standards

3WL1 air circuit breakers comply with:

- IEC 60947-2
- IEC 60947-2 Appendix F / CISPR 11/22 Class B
- Climate-proof according to IEC 60068-2-30.

For further standards, see chapter "Appendix".

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Technical specifications

Size			I				II			
Type			**... 3WL1110**	**3WL1112**	**3WL1116**	**3WL1120**	**3WL1208**	**3WL1210**	**3WL1212**	**3WL1216**
Number of poles			3-pole, 4-pole							
Rated current I_n at 40 °C, at 50/60 Hz										
Main conductor		A	... 1000	1250	1600	2000	800	1000	1250	1600
N conductor (only on 4-pole versions)		A	... 1000	1250	1600	2000	800	1000	1250	1600
Rated operational voltage U_e at 50/60 Hz		V AC	...	...	...	...	...	...	...	...
(1000 V version, see page 1/45 "Options")			690/1000	690/1000	690/1000	690/1000	690/1000	690/1000	690/1000	690/1000
Rated insulation voltage U_i		V AC	1000	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp}										
• Main conducting paths		kV	12	12	12	12	12	12	12	12
• Auxiliary circuits		kV	4	4	4	4	4	4	4	4
• Control circuits[9]		kV	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Isolating function acc. to EN 60 947-2			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Utilization category			B							
Permissible ambient temperature										
• During operation (in operation with LCD max. 55 °C)[1]		°C	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70
• Storage		°C	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70
Permissible load for withdrawable versions at rear horizontal main connections	• Up to 55 °C (Cu bare)	A	1000	1250	1600	2000	800	1000	1250	1600
	• Up to 60 °C (Cu bare)[2]	A	1000	1250	1600	1930	800	1000	1250	1600
	• Up to 70 °C (Cu black painted)[2]	A	1000	1210	1490[3]	1780	800	1000	1250	1600
Rated rotor operational voltage U_{er}		V	2000	2000	2000	2000	2000	2000	2000	2000
Power loss at I_n										
With 3-phase symmetrical load										
• Fixed-mounted circuit breakers		W	100	105	150	240	40	45	80	85
• Withdrawable circuit breakers		W	195	205	350	440	85	95	165	175
Switching times										
• Make time		ms	35	35	35	35	35	35	35	35
• Opening time		ms	38	38	38	38	34	34	34	34
• Electrical make time (through closing solenoid)[4]		ms	80	80	80	80	100	100	100	100
• Electrical opening time (through shunt release)		ms	73	73	73	73	73	73	73	73
• Electrical opening time (instantaneous undervoltage release)		ms	73	73	73	73	73	73	73	73
• Opening time due to ETU, instantaneous short-circuit release		ms	50	50	50	50	50	50	50	50
Service life: Breaking capacity N and S, 3-/4-pole										
• Mechanical (without maintenance)	Operating cycles		10 000	10 000	10 000	10 000	10 000	10 000	10 000	10 000
• Mechanical (with maintenance)[5]	Operating cycles		20 000	20 000	20 000	15 000	15 000	15 000	15 000	15 000
• Electrical (without maintenance)	Operating cycles		10 000	10 000	10 000	7500	7500	7500	7500	7500
• 1000 V version, electrical (without maintenance)	Oper. cycles		--	--	--	--	--	--	--	--
• 1150 V version, electrical (without maintenance)	Oper. cycles		--	--	--	--	--	--	--	--
• Electrical (with maintenance)[5]	Operating cycles		20 000	20 000	20 000	15 000	15 000	15 000	15 000	15 000
Service life: Breaking capacity H, 3-pole										
• Mechanical (without maintenance)	Operating cycles		10 000	10 000	10 000	10 000	10 000	10 000	10 000	10 000
• Mechanical (with maintenance)[5]	Operating cycles		15 000	15 000	15 000	15 000	15 000	15 000	15 000	15 000
• Electrical (without maintenance)	Operating cycles		7 500	7 500	7 500	7500	7500	7500	7500	7500
• 1000 V version, electrical (without maintenance)	Oper. cycles		1000	1000	1000	1000	1000	1000	1000	1000
• 1150 V version, electrical (without maintenance)	Oper. cycles		--	--	--	--	500	500	500	500
• Electrical (with maintenance)[5][6]	Operating cycles		15 000	15 000	15 000	15 000	15 000	15 000	15 000	15 000
Service life: Breaking capacity H, 4-pole										
• Mechanical (without maintenance)	Operating cycles		10 000	10 000	10 000	10 000	10 000	10 000	10 000	10 000
• Mechanical (with maintenance)[5]	Operating cycles		15 000	15 000	15 000	15 000	15 000	15 000	15 000	15 000
• Electrical (without maintenance)	Operating cycles		7 500	7 500	7 500	7500	7500	7500	7500	7500
• 1000 V version, electrical (without maintenance)	Oper. cycles		1000	1000	1000	1000	1000	1000	1000	1000
• 1150 V version, electrical (without maintenance)	Oper. cycles		--	--	--	--	500	500	500	500
• Electrical (with maintenance)[5][6]	Operating cycles		10 000	10 000	10 000	10 000	15 000	15 000	15 000	15 000
Service life: Breaking capacity C										
• Mechanical (without maintenance)	Operating cycles		--	--	--	--	5 000	5 000	5 000	5 000
• Mechanical (with maintenance) [5]	Operating cycles		--	--	--	--	10 000	10 000	10 000	10 000
• Electrical (without maintenance)	Operating cycles		--	--	--	--	5 000	5 000	5 000	5 000
• Electrical (with maintenance)[5]	Operating cycles		--	--	--	--	10 000	10 000	10 000	10 000
Switching frequency[7]										
• 690 V version		1/h	60[8]	60[8]	60[8]	60	60[8]	60[8]	60[8]	60[8]
• 1000 V version		1/h	--	--	--	20	20	20	20	20
• 1150 V version		1/h	--	--	--	--	20	20	20	20
Minimum interval between tripping operation by electronic trip unit and next making operation of the circuit breaker (only with autom. mechanical resetting of the lockout device). Minimum interval between On-Off or Off-On switching operations.		ms	80	80	80	80	80	80	80	80

1) Use of trip units from -20 °C.
2) ETU76B with graphics display can be used up to max. 55 °C.
3) At breaking capacity H: 1600 A to 70 °C.
4) Make-time through closing solenoid for synchronization purposes (short-time excited) 50 ms.
5) Maintenance means: replace main contact elements and arc chutes (see Operating Manual).
6) Replacement of the main contact elements of circuit breakers size I with breaking capacity H is only possible at the factory.
7) Minimum interval time between 2 tripping operations.
8) 3-pole switching with breaking capacity N and S: 45/h.
9) Motorized operating mechanism U_{imp}=1.2 kV

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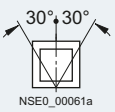
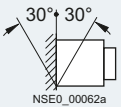
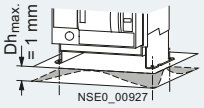
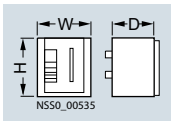
General data

Size				I				II			
Type				**... 3WL1110**	**3WL1112**	**3WL1116**	**3WL1120**	**3WL1208**	**3WL1210**	**3WL1212**	**3WL1216**
Mounting position				 and/or 							
Degree of protection				IP20 without cabinet door, IP41 with door sealing frame, IP55 with cover							
Main conductor minimum cross-sections	• Copper bars, bare	Unit(s)	mm^2	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10	3 × 50 × 10	1 × 50 × 10	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10
	• Copper bars, painted black	Unit(s)	mm^2	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10	3 × 50 × 10	1 × 50 × 10	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10
Auxiliary conductors (Cu) Max. number Auxiliary conductors × cross-section (solid/stranded)	Standard connection = strain-relief clamp										
	• Without end sleeve			2 × 0.5 mm^2 (AWG 20) ... 2 × 1.5 mm^2 (AWG 16); 1 × 2.5 mm^2 (AWG 14)							
	• With end sleeve acc. to DIN 46228 Part 2			1 × 0.5 mm^2 (AWG 20) ... 1 × 1.5 mm^2 (AWG 16)							
	• With twin end sleeve			2 × 0.5 mm^2 (AWG 20) ... 2 × 1.5 mm^2 (AWG 16)							
	Optional connection = tension spring										
	• Without end sleeve			2 × 0.5 mm^2 (AWG 20) ... 2 × 2.5 mm^2 (AWG 14)							
	• With end sleeve acc. to DIN 46228 Part 2			2 × 0.5 mm^2 (AWG 20) ... 2 × 1.5 mm^2 (AWG 16)							
Position signaling switches	Tension spring terminals			1 × 0.5 mm^2 (AWG 20) ... 1 × 2.5 mm^2 (AWG 14)							
Weights	3-pole	• Fixed-mounted circuit breakers	kg	43	43	43	43	56	56	56	56
		• Withdrawable circuit breakers	kg	45	45	45	45	60	60	60	60
		• Guide frames	kg	25	25	25	25	31	31	31	31
	4-pole	• Fixed-mounted circuit breakers	kg	50	50	50	50	67	67	67	67
		• Withdrawable circuit breakers	kg	54	54	54	54	72	72	72	72
		• Guide frames	kg	30	30	30	30	37	37	37	37
Dimensions 3-/4-pole 			W mm	320/410				460/590			
	Fixed-mounted		H mm	434				434			
			D mm	291				291			
	Withdrawable		H mm	465.5				465.5			
			D mm	471				471			

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Size			II				III		
Type			**3WL1220**	**3WL1225**	**3WL1232**	**3WL1240**	**3WL1340**	**3WL1350**	**3WL1363**
Number of poles			3-pole, 4-pole						
Rated current I_n at 40 °C, at 50/60 Hz									
Main conductor		A	2000	2500	3200	4000	4000	5000	6300
N conductor (only on 4-pole versions)		A	2000	2500	3200	4000	4000	5000	6300
Rated operational voltage U_e at 50/60 Hz		V AC	...	...	...	... 690	...	...	...
(1000 V version, see page 1/45 "Options")			690/1000	690/1000	690/1000		690/1000	690/1000	690/1000
Rated insulation voltage U_i		V AC	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp}									
• Main conducting paths		kV	12	12	12	12	12	12	12
• Auxiliary circuits		kV	4	4	4	4	4	4	4
• Control circuits[10]		kV	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Isolating function acc. to EN 60947-2			Yes	Yes	Yes	Yes	Yes	Yes	Yes
Utilization category			B						
Permissible ambient temperature									
• During operation (in operation with LCD max. 55 °C)[1]		°C	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70	–25/+70
• Storage		°C	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70	–40/+70
Permissible load for withdrawable versions[2] [4]	• Up to 55 °C (Cu bare)	A	2000	2500	3200	3950	4000	5000	5920
	• Up to 60 °C (Cu bare)	A	2000	2500	3020	3810	4000	5000	5810
	• Up to 70 °C (Cu painted black)	A	2000	2280	2870	3600	4000	5000	5500
Rated rotor operational voltage U_{er}		V	2000	2000	2000	2000	2000	2000	2000
Power loss at I_n									
With 3-phase symmetrical load									
• Fixed-mounted circuit breakers		W	180	270	410	750	520	630	900
• Withdrawable circuit breakers		W	320	520	710	925	810	1050	1600
Switching times									
• Make time		ms	35	35	35	35	35	35	35
• Opening time		ms	34	34	34	34	34	34	34
• Electrical make time (through closing solenoid)[5]		ms	100	100	100	100	100	100	100
• Electrical opening time (through shunt release)		ms	73	73	73	73	73	73	73
• Electrical opening time (instantaneous undervoltage release)		ms	73	73	73	73	73	73	73
• Opening time due to ETU, instantaneous short-circuit release		ms	50	50	50	50	50	50	50
Service life: Breaking capacity N, S and H[11]									
• Mechanical (without maintenance)		Operating cycles	10000	10000	10000	10000	5000	5000	5000
• Mechanical (with maintenance)[6]		Operating cycles	15000	15000	15000	15000	10000	10000	10000
• Electrical (without maintenance) up to 690 V		Operating cycles	7500	7500	4000	2000	2000	2000	2000
• 1000 V version, electrical (without maintenance)		Operating cycles	1000	1000	1000	1000	1000	1000	1000
• 1150 V version, electrical[7] (without maintenance)		Operating cycles	500	500	500	500	500	500	500
• Electrical (with maintenance)[6]		Operating cycles	15000	15000	15000	15000	10000	10000	10000
Service life: Breaking capacity C									
• Mechanical (without maintenance)		Operating cycles	5000	5000	5000	--	5000	5000	5000
• Mechanical (with maintenance)[6]		Operating cycles	10000	10000	10000	--	10000	10000	10000
• Electrical (without maintenance) up to 690 V		Operating cycles	5000	5000	4000	--	1000	1000	1000
• Electrical (without maintenance) up to 1150 V		Operating cycles	--	--	--	--	500	500	500
• Electrical (with maintenance) up to 690 V[6]		Operating cycles	10000	10000	8000	--	--	--	--
Switching frequency[8]									
• 690 V version		1/h	60[9]	60[9]	60[9]	60[9]	60	60	60
• 1000 V version		1/h	20	20	20	20	20	20	20
• 1150 V version[7]		1/h	20	20	20	20	20	20	20
Minimum interval between tripping operation by electronic trip unit and next making operation of the circuit breaker (only with autom. mechanical resetting of the lockout device)		ms	80	80	80	80	80	80	80
Minimum interval between On-Off or Off-On switching operations.									

1) Use of trip units from -20 °C.

2) 4000 A, size II in fixed-mounted version, 3-pole.

4) ETU76B with graphics display can be used up to max. 55 °C.

5) Make-time through closing solenoid for synchronization purposes (short-time excited) 50 ms.

6) Maintenance means: replace main contact elements and arc chutes (see Operating Manual).

7) Size II with order code "A15" and size III: data for very high breaking capacity.

8) Minimum interval time between 2 tripping operations.

9) 3-pole switching with breaking capacity N and S: 45/h.

10) Motorized operating mechanism U_{imp}=1.2 kV

11) 1000 V and 1150 V versions only in the case of H breaking capacity

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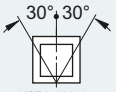
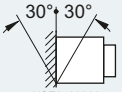
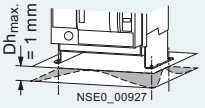
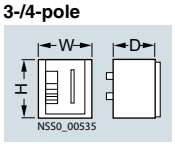
General data

Size				II				III		
Type				**3WL1220**	**3WL1225**	**3WL1232**	**3WL1240**	**3WL1340**	**3WL1350**	**3WL1363**
Mounting position				 NSE0_00061a and/or  NSE0_00062a						
				 NSE0_00927						
Degree of protection				IP20 without cabinet door, IP41 with door sealing frame, IP55 with cover						
Main conductor minimum cross-sections		• Copper bars, bare	Unit(s) mm^2	3 × 50 × 10	2 × 100 × 10	3 × 100 × 10	4 × 120 × 10	4 x 100 x 10	6 x 100 x 10	6 x 120 x 10
		• Copper bars, painted black	Unit(s) mm^2	3 × 50 × 10	2 × 100 × 10	3 × 100 × 10	4 × 100 × 10[1]	4 × 100 × 10	6 × 100 × 10	6 × 120 × 10
Auxiliary conductors (Cu) Max. number of auxiliary conductors × cross-section (solid/stranded)		Standard connection = strain-relief clamp • Without end sleeve • With end sleeve acc. to DIN 46228 Part 2 • With twin end sleeve		 2 × 0.5 mm^2 (AWG 20) ... 2 × 1.5 mm^2 (AWG 16); 1 × 2.5 mm^2 (AWG 14) 1 × 0.5 mm^2 (AWG 20) ... 1 × 1.5 mm^2 (AWG 16) 2 × 0.5 mm^2 (AWG 20) ... 2 × 1.5 mm^2 (AWG 16)						
		Optional connection = tension spring • Without end sleeve • With end sleeve acc. to DIN 46228 Part 2		 2 × 0.5 mm^2 (AWG 20) ... 2 × 2.5 mm^2 (AWG 14) 2 × 0.5 mm^2 (AWG 20) ... 2 × 1.5 mm^2 (AWG 16)						
Position signaling switches		Tension spring terminals		1 × 0.5 mm^2 (AWG 20) ... 1 × 2.5 mm^2 (AWG 14)						
Weights	3-pole	• Fixed-mounted circuit breakers	kg	56	59	64	85	82	82	90
		• Withdrawable circuit breakers	kg	60	63	68	121	88	88	96
		• Guide frames	kg	31	39	45	52	60	60	70
	4-pole	• Fixed-mounted circuit breakers	kg	67	71	77	103	99	99	108
		• Withdrawable circuit breakers	kg	72	76	82	146	106	106	108
		• Guide frames	kg	37	47	54	62	84	84	119
Dimensions 3-/4-pole  NSS0_00535			W mm	460/590				704/914		
		Fixed-mounted	H mm	434				434		
			D mm	291				291		
		Withdrawable	H mm	465.5				465.5		
			D mm	471				471		

[1] Minimum main conductor cross-sections for 4-pole withdrawable circuit breakers: 4 x 120 x 10 mm.

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Breaking capacity

Size		I			II				III		
Type		3WL11			3WL12				3WL13		
Breaking capacity		N (N)	S (S)	H (H)	N (N)	S (S)	H (H)	C (C)	H (H)	C 3-pole (C)	C 4-pole (C)
Short-circuit breaking capacity											
Rated operational voltage U_e up to 415 V AC											
I_{cu}	kA	55	66	85	66	80	100	130	100	150	130
I_{cs}	kA	55	66	85	66	80	100	130	100	150	130
I_{cm}	kA	121	145	187	145	176	220	286	220	330	286
Rated operational voltage U_e up to 500 V AC											
I_{cu}	kA	55	66	85	66	80	100	130	100	150	130
I_{cs}	kA	55	66	85	66	80	100	130	100	150	130
I_{cm}	kA	121	145	187	145	176	220	286	220	330	286
Rated operational voltage U_e up to 690 V AC											
I_{cu}	kA	42	50	66	50	75	85	100	85	150	130
I_{cs}	kA	42	50	66	50	75	85	100	85	150	130
I_{cm}	kA	88	105	145	105	165	187	220	187	330	286
Rated operational voltage U_e up to 1000 V/1150 V AC											
I_{cu}	kA	--	--	50[5]	--	--	50	--	50	70[4]	70[4]
I_{cs}	kA	--	--	50[5]	--	--	50	--	50	70[4]	70[4]
I_{cm}	kA	--	--	105[5]	--	--	105	--	105	154[4]	154[4]
Rated short-time withstand current I_{cw}[3]											
0.5 s	kA	55	66	75	66	80	100	100	100	100	100
1 s	kA	42	50	66	55	66	85	100	100	100	100
2 s	kA	29.5	35	46	39	46	65[1]/70[2]	70	80	80	80
3 s	kA	24	29	44	32	44	50[1]/65[2]	65	65	65	65
Conditional rated short-circuit breaking capacity I_{cc} of the non-automatic air circuit breakers											
Up to 500 V AC	kA	55	66	75	66	80	100	130	100	100	100
Up to 690 V AC	kA	42	50	66	50	75	85	100	85	100	100
Up to 1000 V/1150 V AC	kA	--	--	50[5]	--	--	50[4]	--	50[6]	70[4]	70[4]

(N) Circuit breakers with ECO breaking capacity N
(S) Circuit breakers with standard breaking capacity S
(H) Circuit breakers with high breaking capacity H
(C) Circuit breakers with very high breaking capacity C
(DC) Non-automatic air circuit breakers with DC breaking capacity

These breaking capacities are indicated in the corresponding tables by the symbols shown on orange backgrounds.

Note:

For further technical specifications, see the configuration manual "Air Circuit Breakers". Free download from: www.siemens.com/lowvoltage/manuals

Abbreviations* (functions)	English long text	Explanation
L	Long Time Delay	Overload protection
S	Short Time Delay	Short-circuit protection (short-time delayed)
I	Instantaneous	Short-circuit protection (instantaneous)
N	Neutral Protection	Neutral conductor protection
G	Ground Fault	Ground-fault protection

* Designations according to IEC 60947-2, Appendix K.

1) Size II with $I_{n\,max} \leq 2500$ A.
2) Size II with $I_{n\,max} = 3200$ A and $I_{n\,max} = 4000$ A.
3) At a rated voltage of ≥ 690 V, the I_{cw} value of the circuit breaker cannot be greater than the I_{cu} or I_{cs} value at 690 V.
4) Rated operational voltage $U_e = 1150$ V.
5) Values also apply to 690 V + 20 % version with Z-option "A16".
6) Rated operational voltage $U_e = 1000$ V

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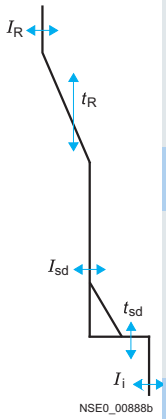
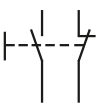
General data

Protection functions Parameterization by			ETU15B D	ETU25B D	ETU27B D & S
Function overview of the electronic trip system					
		**Overload protection**	✓	✓	✓
		Function can be switched on/off	--	--	--
		Setting range $I_R = I_n \times ...$	0.5-0.55-0.6-0.65-0.7-0.75-0.8-0.85-0.9-1	0.4-0.45-0.5-0.55-0.6-0.65-0.7-0.8-0.9-1	0.4-0.45-0.5-0.55-0.6-0.65-0.7-0.8-0.9-1
	L	Switchable overload protection (I^2t- or I^4t-dependent function)	--	--	--
		Setting range for time-lag class t_R at I^2t	10 s fixed	10 s fixed	10 s fixed
		Setting range for time-lag class t_R at I^4t	--	--	--
		Thermal image can be switched on/off	--	--	--
		Phase failure sensitivity	--	At t_{sd} = 20 ms (M)	At t_{sd} = 20 ms (M)
	N	**N-conductor protection**	--	--	✓
		Function can be switched on/off	--	--	✓
		N conductor setting range $I_N = I_n \times ...$	--	--	1
	S	**Short-time delayed short-circuit protection**	--	✓	✓
		Function can be switched on/off	--	--	--
		Setting range $I_{sd} = I_n \times ...$	--	1.25-1.5-2-2.5-3-4-6-8-10-12	1.25-1.5-2-2.5-3-4-6-8-10-12
		Setting range for delay time t_{sd}	--	0-M-100-200-300-400 ms	0-M-100-200-300-400 ms
		Switchable short-time delayed short-circuit protection (I^2t-dependent function)	--	--	--
		Setting range for delay time t_{sd} at I^2t	--	--	--
		ZSI function	--	--	--
NSE0_00888b	I	**Instantaneous short-circuit protection**	✓	✓	✓
		Function can be switched on/off	--	--	--
		Setting range $I_i = I_n \times ...$	2-3-4-5-6-7-8	Fixed for $I_i \geq 20 \times I_n$, max. 50 kA	Fixed for $I_i \geq 20 \times I_n$, max. 50 kA
	G	**Ground-fault protection**	--	--	✓ Fixed mounted
		Tripping and alarm functions	--	--	--
		Tripping function can be switched on/off	--	--	✓
		Alarm function can be switched on/off	--	--	--
		Detection of the ground-fault current through summation current formation with internal or external N conductor transformer	--	--	✓
NSE0_00889a		Detection of ground-fault current through external current transformer	--	--	--
		Setting range of the operating current I_g for tripping	--	--	A-B-C-D-E
		Setting range of the operating current I_a for alarm	--	--	--
		Setting range of the delay time t_g	--	--	100-200-300-400-500 ms
		Switchable ground-fault protection characteristic curve (I^2t-dependent function)	--	--	--
		Setting range for delay time t_g at I^2t	--	--	--
		ZSI-G function	--	--	--
Parameter set changeover					
		Switchable between parameter set A and B	--	--	--
LCD					
		Alphanumeric LCD (4-line)	--	--	--
		Graphical LCD (24 V, external power supply required)	--	--	--
Communication					
		CubicleBUS integrated	--	--	--
		Communications capability via PROFIBUS DP	--	--	--
Measuring function					
		Metering capability with measuring function *Plus*	--	--	--
LED display					
		Electronic trip unit active	✓	✓	✓
		Alarm	✓	✓	✓
		ETU fault	✓	✓	✓
		L tripping operation	--	✓	✓
NSE0_00890		S tripping operation	--	✓	✓
		I tripping operation	--	✓	✓
		N tripping operation	--	--	✓
		G tripping operation	--	--	✓
		G alarm	--	--	--
		Tripping operation as a result of extended protection function	--	--	--
		Communication	--	--	--
Signals from signaling switches with external CubicleBUS **modules (relays)**					
		Overload warning	--	--	--
		Load shedding, load absorbing	--	--	--
		Leading signal overload trip 200 ms	--	--	--
		Temperature alarm	--	--	--
		Phase unbalance	--	--	--
		Instantaneous short-circuit trip	--	--	--
NSE0_00891		Short-time delayed short-circuit trip	--	--	--
		Overload trip	--	--	--
		Neutral conductor trip	--	--	--
		Ground-fault protection trip	--	--	--
		Ground-fault alarm	--	--	--
		Auxiliary relay	--	--	--
		ETU fault	--	--	--

Delay time figures given in ms.
M = Motor protection, corresponds to 20 ms.
D = Rotary coding switch
D & S = Rotary coding and slide switch
K = Communication
M/K = Menu/Communication

✓ Available.
-- Not available.
❑ Optional.

For setting range of the operating current I_g, see page 1/15.

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Protection functions **Parameterization by**	**ETU45B** **D & S**	**ETU76B** **M/K**
Function overview of the electronic trip system		
Overload protection	✓	✓
Function can be switched on/off	--	✓
Setting range $I_R = I_n \times ...$	0.4-0.45-0.5-0.55-0.6-0.65-0.7-0.8-0.9-1	0.4 ... 1
Switchable overload protection (I^2t- or I^4t-dependent function)	✓	✓
Setting range for time-lag class t_R at I^2t	2-3.5-5.5-8-10-14-17-21-25-30 s	2 ... 30 s
Setting range for time-lag class t_R at I^4t	1-2-3-4-5 s	1 ... 5 s
Thermal image can be switched on/off	✓	✓
Phase failure sensitivity	At t_{sd} = 20 ms (M)	✓ (on/off)
N-conductor protection	✓	✓
Function can be switched on/off	✓	✓
N conductor setting range $I_N = I_n \times ...$	0.5 ... 1	0.2 ... 2
Short-time delayed short-circuit protection	✓	✓
Function can be switched on/off	✓	✓
Setting range $I_{sd} = I_n \times ...$	1.25-1.5-2-2.5-3-4-6-8-10-12	1.25 × I_n ... 0.8 × I_{cw}
Setting range for delay time t_{sd}	M-100-200-300-400 ms	M-80 ... 4000 ms
Switchable short-time delayed short-circuit protection (I^2t-dependent function)	✓	✓
Setting range for delay time t_{sd} at I^2t	100-200-300-400 ms	100 ... 400 ms
ZSI function	By **Cubicle**BUS module	By **Cubicle**BUS module
Instantaneous short-circuit protection	✓	✓
Function can be switched on/off	✓	✓
Setting range $I_i = I_n \times ...$	1.5-2.2-3-4-6-8-10-12-0.8 x I_{cs}	1.5 × I_n ... 0.8 × I_{cs}
Ground-fault protection	❑ Module can be retrofitted	❑ Module can be retrofitted
Tripping and alarm functions	✓	✓
Tripping function can be switched on/off	✓	✓
Alarm function can be switched on/off	--	✓
Detection of the ground-fault current through summation current formation with internal or external N conductor transformer	✓	✓
Detection of ground-fault current through external current transformer	✓	✓
Setting range of the operating current I_g for tripping	A-B-C-D-E	A ... E
Setting range of the operating current I_g for alarm	A-B-C-D-E	A ... E
Setting range of the delay time t_g	100-200-300-400-500 ms	100 ... 500 ms
Switchable ground-fault protection characteristic curve (I^2t-dependent function)	✓	✓
Setting range for delay time t_g at I^2t	100-200-300-400-500 ms	100 ... 500 ms
ZSI-G function	By **Cubicle**BUS module	By **Cubicle**BUS module
Parameter set changeover		
Switchable between parameter set A and B	--	✓
LCD		
Alphanumeric LCD (4-line)	❑	--
Graphical LCD (24 V, external power supply required)	--	✓
Communication		
CubicleBUS integrated	✓	✓
Communications capability via PROFIBUS DP	✓	✓
Measuring function		
Metering capability with measuring function *Plus*	✓	✓
LED display		
Electronic trip unit active	✓	✓
Alarm	✓	✓
ETU fault	✓	✓
L tripping operation	✓	✓
S tripping operation	✓	✓
I tripping operation	✓	✓
N tripping operation	✓	✓
G tripping operation	✓ (Only with ground-fault protection module)	✓ (Only with ground-fault protection module)
G alarm	✓ (Only with ground-fault protection module)	✓ (Only with ground-fault protection module)
Tripping operation as a result of extended protection functions	✓	✓
Communication	✓	✓
Signals from signaling switches with external CubicleBUS **modules (relays)**		
Overload warning	✓	✓
Load shedding, load absorbing	✓	✓
Leading signal overload trip 200 ms	✓	✓
Temperature alarm	✓	✓
Phase unbalance	✓	✓
Instantaneous short-circuit trip	✓	✓
Short-time delayed short-circuit trip	✓	✓
Overload trip	✓	✓
Neutral conductor trip	✓	✓
Ground-fault protection trip	✓ (Only with ground-fault protection module)	✓ (Only with ground-fault protection module)
Ground-fault alarm	✓ (Only with ground-fault protection module)	✓ (Only with ground-fault protection module)
Auxiliary relay	✓	✓
ETU fault	✓	✓

Setting range of the operating current I_g

	Size I and size II	Size III
A	100 A	400 A
B	300 A	600 A
C	600 A	800 A
D	900 A	1000 A
E	1200 A	1200 A

Increment size when settings are made for the ETU76B using the menu

From ... to	Increment size	From ... to	Increment size
0 ... 1	0,1	1000 ... 1600	50
1 ... 100	1	1600 ... 10000	100
100 ... 500	5	10000 ... max.	1000
500 ... 1000	10		

Legend, see page 1/14.

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3-pole, fixed-mounted versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	**I_{cu} 55/66 kA at 500 V, ECO breaking capacity N** (N) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Horizontal main circuit connection										
I	630	630	55		3WL1106-2□□32-□□□□		1	1 unit	1CA	43.000
	800	800			3WL1108-2□□32-□□□□		1	1 unit	1CA	43.000
	1000	1000			3WL1110-2□□32-□□□□		1	1 unit	1CA	43.000
	1250	1250			3WL1112-2□□32-□□□□		1	1 unit	1CA	43.000
	1600	1600			3WL1116-2□□32-□□□□		1	1 unit	1CA	43.000
	2000	2000			3WL1120-2□□32-□□□□		1	1 unit	1CA	43.000
II	800	800	66		3WL1208-2□□32-□□□□		1	1 unit	1CA	56.000
	1000	1000			3WL1210-2□□32-□□□□		1	1 unit	1CA	56.000
	1250	1250			3WL1212-2□□32-□□□□		1	1 unit	1CA	56.000
	1600	1600			3WL1216-2□□32-□□□□		1	1 unit	1CA	56.000
	2000	2000			3WL1220-2□□32-□□□□		1	1 unit	1CA	56.000
	2500	2500			3WL1225-2□□32-□□□□		1	1 unit	1CA	59.000
	3200	3200			3WL1232-2□□32-□□□□		1	1 unit	1CA	64.000
Vertical main circuit connection										
I	630	630	55		3WL1106-2□□31-□□□□		1	1 unit	1CA	43.000
	800	800			3WL1108-2□□31-□□□□		1	1 unit	1CA	43.000
	1000	1000			3WL1110-2□□31-□□□□		1	1 unit	1CA	43.000
	1250	1250			3WL1112-2□□31-□□□□		1	1 unit	1CA	43.000
	1600	1600			3WL1116-2□□31-□□□□		1	1 unit	1CA	43.000
	2000	2000			3WL1120-2□□31-□□□□		1	1 unit	1CA	43.000
II	800	800	66		3WL1208-2□□31-□□□□		1	1 unit	1CA	56.000
	1000	1000			3WL1210-2□□31-□□□□		1	1 unit	1CA	56.000
	1250	1250			3WL1212-2□□31-□□□□		1	1 unit	1CA	56.000
	1600	1600			3WL1216-2□□31-□□□□		1	1 unit	1CA	56.000
	2000	2000			3WL1220-2□□31-□□□□		1	1 unit	1CA	56.000
	2500	2500			3WL1225-2□□31-□□□□		1	1 unit	1CA	59.000
	3200	3200			3WL1232-2□□31-□□□□		1	1 unit	1CA	64.000
	4000	4000			3WL1240-2□□31-□□□□		1	1 unit	1CA	85.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[3)5)]	**EG**		✓
	ETU45B: Protection functions LSING[3)5)] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3)5)] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58.

4) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

* You can order this quantity or a multiple thereof.

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Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Front main circuit connection, single hole										
I	630	630	55		3WL1106-2□□33-□□□□		1	1 unit	1CA	43.000
	800	800			3WL1108-2□□33-□□□□		1	1 unit	1CA	43.000
	1000	1000			3WL1110-2□□33-□□□□		1	1 unit	1CA	43.000
	1250	1250			3WL1112-2□□33-□□□□		1	1 unit	1CA	43.000
	1600	1600			3WL1116-2□□33-□□□□		1	1 unit	1CA	43.000
II	800	800	66		3WL1208-2□□33-□□□□		1	1 unit	1CA	56.000
	1000	1000			3WL1210-2□□33-□□□□		1	1 unit	1CA	56.000
	1250	1250			3WL1212-2□□33-□□□□		1	1 unit	1CA	56.000
	1600	1600			3WL1216-2□□33-□□□□		1	1 unit	1CA	56.000
	2000	2000			3WL1220-2□□33-□□□□		1	1 unit	1CA	56.000
	2500	2500			3WL1225-2□□33-□□□□		1	1 unit	1CA	59.000
	3200	3200			3WL1232-2□□33-□□□□		1	1 unit	1CA	64.000
Front main circuit connection, double hole										
I	630	630	55		3WL1106-2□□34-□□□□		1	1 unit	1CA	43.000
	800	800			3WL1108-2□□34-□□□□		1	1 unit	1CA	43.000
	1000	1000			3WL1110-2□□34-□□□□		1	1 unit	1CA	43.000
	1250	1250			3WL1112-2□□34-□□□□		1	1 unit	1CA	43.000
	1600	1600			3WL1116-2□□34-□□□□		1	1 unit	1CA	43.000
	2000	2000			3WL1120-2□□34-□□□□		1	1 unit	1CA	43.000
II	800	800	66		3WL1208-2□□34-□□□□		1	1 unit	1CA	56.000
	1000	1000			3WL1210-2□□34-□□□□		1	1 unit	1CA	56.000
	1250	1250			3WL1212-2□□34-□□□□		1	1 unit	1CA	56.000
	1600	1600			3WL1216-2□□34-□□□□		1	1 unit	1CA	56.000
	2000	2000			3WL1220-2□□34-□□□□		1	1 unit	1CA	56.000
	2500	2500			3WL1225-2□□34-□□□□		1	1 unit	1CA	59.000
	3200	3200			3WL1232-2□□34-□□□□		1	1 unit	1CA	64.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[3][5]	**EG**		✓
	ETU45B: Protection functions LSING[3][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][5] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

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4) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

*** You can order this quantity or a multiple thereof.**

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3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S) — Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Horizontal main circuit connection										
I	630	630	66		3WL1106-3□□32-□□□□		1	1 unit	1CA	43.000
	800	800			3WL1108-3□□32-□□□□		1	1 unit	1CA	43.000
	1000	1000			3WL1110-3□□32-□□□□		1	1 unit	1CA	43.000
	1250	1250			3WL1112-3□□32-□□□□		1	1 unit	1CA	43.000
	1600	1600			3WL1116-3□□32-□□□□		1	1 unit	1CA	43.000
	2000	2000			3WL1120-3□□32-□□□□		1	1 unit	1CA	43.000
II	800	800	80		3WL1208-3□□32-□□□□		1	1 unit	1CA	56.000
	1000	1000			3WL1210-3□□32-□□□□		1	1 unit	1CA	56.000
	1250	1250			3WL1212-3□□32-□□□□		1	1 unit	1CA	56.000
	1600	1600			3WL1216-3□□32-□□□□		1	1 unit	1CA	56.000
	2000	2000			3WL1220-3□□32-□□□□		1	1 unit	1CA	56.000
	2500	2500			3WL1225-3□□32-□□□□		1	1 unit	1CA	59.000
	3200	3200			3WL1232-3□□32-□□□□		1	1 unit	1CA	64.000
Vertical main circuit connection										
I	630	630	66		3WL1106-3□□31-□□□□		1	1 unit	1CA	43.000
	800	800			3WL1108-3□□31-□□□□		1	1 unit	1CA	43.000
	1000	1000			3WL1110-3□□31-□□□□		1	1 unit	1CA	43.000
	1250	1250			3WL1112-3□□31-□□□□		1	1 unit	1CA	43.000
	1600	1600			3WL1116-3□□31-□□□□		1	1 unit	1CA	43.000
	2000	2000			3WL1120-3□□31-□□□□		1	1 unit	1CA	43.000
II	800	800	80		3WL1208-3□□31-□□□□		1	1 unit	1CA	56.000
	1000	1000			3WL1210-3□□31-□□□□		1	1 unit	1CA	56.000
	1250	1250			3WL1212-3□□31-□□□□		1	1 unit	1CA	56.000
	1600	1600			3WL1216-3□□31-□□□□		1	1 unit	1CA	56.000
	2000	2000			3WL1220-3□□31-□□□□		1	1 unit	1CA	56.000
	2500	2500			3WL1225-3□□31-□□□□		1	1 unit	1CA	59.000
	3200	3200			3WL1232-3□□31-□□□□		1	1 unit	1CA	64.000
	4000	4000			3WL1240-3□□31-□□□□		1	1 unit	1CA	85.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[3][5]	**EG**		✓
	ETU45B: Protection functions LSING[3][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][5] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

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4) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

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Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Front main circuit connection, single hole										
I	630	630	66		3WL1106-3□□33-□□□□		1	1 unit	1CA	43.000
	800	800			3WL1108-3□□33-□□□□		1	1 unit	1CA	43.000
	1000	1000			3WL1110-3□□33-□□□□		1	1 unit	1CA	43.000
	1250	1250			3WL1112-3□□33-□□□□		1	1 unit	1CA	43.000
	1600	1600			3WL1116-3□□33-□□□□		1	1 unit	1CA	43.000
II	800	800	80		3WL1208-3□□33-□□□□		1	1 unit	1CA	56.000
	1000	1000			3WL1210-3□□33-□□□□		1	1 unit	1CA	56.000
	1250	1250			3WL1212-3□□33-□□□□		1	1 unit	1CA	56.000
	1600	1600			3WL1216-3□□33-□□□□		1	1 unit	1CA	56.000
	2000	2000			3WL1220-3□□33-□□□□		1	1 unit	1CA	56.000
	2500	2500			3WL1225-3□□33-□□□□		1	1 unit	1CA	59.000
	3200	3200			3WL1232-3□□33-□□□□		1	1 unit	1CA	64.000
Front main circuit connection, double hole										
I	630	630	66		3WL1106-3□□34-□□□□		1	1 unit	1CA	43.000
	800	800			3WL1108-3□□34-□□□□		1	1 unit	1CA	43.000
	1000	1000			3WL1110-3□□34-□□□□		1	1 unit	1CA	43.000
	1250	1250			3WL1112-3□□34-□□□□		1	1 unit	1CA	43.000
	1600	1600			3WL1116-3□□34-□□□□		1	1 unit	1CA	43.000
	2000	2000			3WL1120-3□□34-□□□□		1	1 unit	1CA	43.000
II	800	800	80		3WL1208-3□□34-□□□□		1	1 unit	1CA	56.000
	1000	1000			3WL1210-3□□34-□□□□		1	1 unit	1CA	56.000
	1250	1250			3WL1212-3□□34-□□□□		1	1 unit	1CA	56.000
	1600	1600			3WL1216-3□□34-□□□□		1	1 unit	1CA	56.000
	2000	2000			3WL1220-3□□34-□□□□		1	1 unit	1CA	56.000
	2500	2500			3WL1225-3□□34-□□□□		1	1 unit	1CA	59.000
	3200	3200			3WL1232-3□□34-□□□□		1	1 unit	1CA	64.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[3][5]	**EG**		✓
	ETU45B: Protection functions LSING[3][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][5] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58.

4) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

*** You can order this quantity or a multiple thereof.**

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3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	**I_{cu} 85/100 kA at 500 V, high breaking capacity H** (H) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Horizontal main circuit connection										
I	630	630	85		3WL1106-4□□32-□□□□		1	1 unit	1CA	43.000
	800	800			3WL1108-4□□32-□□□□		1	1 unit	1CA	43.000
	1000	1000			3WL1110-4□□32-□□□□		1	1 unit	1CA	43.000
	1250	1250			3WL1112-4□□32-□□□□		1	1 unit	1CA	43.000
	1600	1600			3WL1116-4□□32-□□□□		1	1 unit	1CA	43.000
	2000	2000			3WL1120-4□□32-□□□□		1	1 unit	1CA	43.000
II	800	800	100		3WL1208-4□□32-□□□□		1	1 unit	1CA	56.000
	1000	1000			3WL1210-4□□32-□□□□		1	1 unit	1CA	56.000
	1250	1250			3WL1212-4□□32-□□□□		1	1 unit	1CA	56.000
	1600	1600			3WL1216-4□□32-□□□□		1	1 unit	1CA	56.000
	2000	2000			3WL1220-4□□32-□□□□		1	1 unit	1CA	56.000
	2500	2500			3WL1225-4□□32-□□□□		1	1 unit	1CA	59.000
	3200	3200			3WL1232-4□□32-□□□□		1	1 unit	1CA	64.000
III	4000	4000	100		3WL1340-4□□32-□□□□		1	1 unit	1CA	82.000
	5000	5000			3WL1350-4□□32-□□□□		1	1 unit	1CA	82.000
Vertical main circuit connection										
I	630	630	85		3WL1106-4□□31-□□□□		1	1 unit	1CA	43.000
	800	800			3WL1108-4□□31-□□□□		1	1 unit	1CA	43.000
	1000	1000			3WL1110-4□□31-□□□□		1	1 unit	1CA	43.000
	1250	1250			3WL1112-4□□31-□□□□		1	1 unit	1CA	43.000
	1600	1600			3WL1116-4□□31-□□□□		1	1 unit	1CA	43.000
	2000	2000			3WL1120-4□□31-□□□□		1	1 unit	1CA	43.000
II	800	800	100		3WL1208-4□□31-□□□□		1	1 unit	1CA	56.000
	1000	1000			3WL1210-4□□31-□□□□		1	1 unit	1CA	56.000
	1250	1250			3WL1212-4□□31-□□□□		1	1 unit	1CA	56.000
	1600	1600			3WL1216-4□□31-□□□□		1	1 unit	1CA	56.000
	2000	2000			3WL1220-4□□31-□□□□		1	1 unit	1CA	56.000
	2500	2500			3WL1225-4□□31-□□□□		1	1 unit	1CA	59.000
	3200	3200			3WL1232-4□□31-□□□□		1	1 unit	1CA	64.000
	4000	4000			3WL1240-4□□31-□□□□		1	1 unit	1CA	85.000
III	4000	4000	100		3WL1340-4□□31-□□□□		1	1 unit	1CA	82.000
	5000	5000			3WL1350-4□□31-□□□□		1	1 unit	1CA	82.000
	6300	6300			3WL1363-4□□31-□□□□		1	1 unit	1CA	90.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[3][5]	**EG**		✓
	ETU45B: Protection functions LSING[3][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][5] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58.

4) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

* You can order this quantity or a multiple thereof.

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Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	**I_{cu} 85/100 kA at 500 V, high breaking capacity H** (H) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Front main circuit connection, single hole										
II	800	800	100		3WL1208-4□□33-□□□□		1	1 unit	1CA	56.000
	1000	1000			3WL1210-4□□33-□□□□		1	1 unit	1CA	56.000
	1250	1250			3WL1212-4□□33-□□□□		1	1 unit	1CA	56.000
	1600	1600			3WL1216-4□□33-□□□□		1	1 unit	1CA	56.000
	2000	2000			3WL1220-4□□33-□□□□		1	1 unit	1CA	56.000
	2500	2500			3WL1225-4□□33-□□□□		1	1 unit	1CA	59.000
	3200	3200			3WL1232-4□□33-□□□□		1	1 unit	1CA	64.000
III	4000	4000	100		3WL1340-4□□33-□□□□		1	1 unit	1CA	82.000
Front main circuit connection, double hole										
I	630	630	85		3WL1106-4□□34-□□□□		1	1 unit	1CA	43.000
	800	800			3WL1108-4□□34-□□□□		1	1 unit	1CA	43.000
	1000	1000			3WL1110-4□□34-□□□□		1	1 unit	1CA	43.000
	1250	1250			3WL1112-4□□34-□□□□		1	1 unit	1CA	43.000
	1600	1600			3WL1116-4□□34-□□□□		1	1 unit	1CA	43.000
	2000	2000			3WL1120-4□□34-□□□□		1	1 unit	1CA	43.000
II	800	800	100		3WL1208-4□□34-□□□□		1	1 unit	1CA	56.000
	1000	1000			3WL1210-4□□34-□□□□		1	1 unit	1CA	56.000
	1250	1250			3WL1212-4□□34-□□□□		1	1 unit	1CA	56.000
	1600	1600			3WL1216-4□□34-□□□□		1	1 unit	1CA	56.000
	2000	2000			3WL1220-4□□34-□□□□		1	1 unit	1CA	56.000
	2500	2500			3WL1225-4□□34-□□□□		1	1 unit	1CA	59.000
	3200	3200			3WL1232-4□□34-□□□□		1	1 unit	1CA	64.000
III	4000	4000	100		3WL1340-4□□34-□□□□		1	1 unit	1CA	82.000

Options					Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**			**None**
Electronic Trip Units	**Versions without ground-fault protection**				
	ETU15B: Protection functions LI[6]	**BB**			✓
	ETU25B: Protection functions LSI	**CB**			✓
	ETU45B: Protection functions LSIN[3]	**EB**			✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**			✓
	ETU76B: Protection functions LSIN[3] with graphics display	**NB**			✓
	Versions with ground-fault protection				
	ETU27B: Protection functions LSING[4]	**DG**			✓
	ETU45B: Protection functions LSING[3][5]	**EG**			✓
	ETU45B: Protection functions LSING[3][5] with 4-line display	**FG**			✓
	ETU76B: Protection functions LSING[3][5] with graphics display	**NG**			✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**		**None**
	For further Article No. supplements, see page 1/44				

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58.

4) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

*** You can order this quantity or a multiple thereof.**

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3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	**I_{cu} 130/150 kA at 500 V, very high breaking capacity C** (C) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Horizontal main circuit connection										
II	1600	1600	130		3WL1216-5□□32-□□□□		1	1 unit	1CA	65.000
	2000	2000			3WL1220-5□□32-□□□□		1	1 unit	1CA	65.000
	2500	2500			3WL1225-5□□32-□□□□		1	1 unit	1CA	65.000
	3200	3200			3WL1232-5□□32-□□□□		1	1 unit	1CA	65.000
III	4000	4000	150		3WL1340-5□□32-□□□□		1	1 unit	1CA	82.000
	5000	5000			3WL1350-5□□32-□□□□		1	1 unit	1CA	82.000
Vertical main circuit connection										
II	1600	1600	130		3WL1216-5□□31-□□□□		1	1 unit	1CA	65.000
	2000	2000			3WL1220-5□□31-□□□□		1	1 unit	1CA	65.000
	2500	2500			3WL1225-5□□31-□□□□		1	1 unit	1CA	65.000
	3200	3200			3WL1232-5□□31-□□□□		1	1 unit	1CA	65.000
III	4000	4000	150		3WL1340-5□□31-□□□□		1	1 unit	1CA	82.000
	5000	5000			3WL1350-5□□31-□□□□		1	1 unit	1CA	82.000
	6300	6300			3WL1363-5□□31-□□□□		1	1 unit	1CA	90.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[3]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[5]	**DG**		✓
	ETU45B: Protection functions LSING[4)6)]	**EG**		✓
	ETU45B: Protection functions LSING[4)6)] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4)6)] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

3) ETU15B cannot be used with 3WL1 circuit breakers, size III.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

6) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

* You can order this quantity or a multiple thereof.

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Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Without guide frames[2] (for guide frames, see pages 1/52 to 1/57)										
I	630	630	55		3WL1106-2□□35-□□□□		1	1 unit	1CA	45.000
	800	800			3WL1108-2□□35-□□□□		1	1 unit	1CA	45.000
	1000	1000			3WL1110-2□□35-□□□□		1	1 unit	1CA	45.000
	1250	1250			3WL1112-2□□35-□□□□		1	1 unit	1CA	45.000
	1600	1600			3WL1116-2□□35-□□□□		1	1 unit	1CA	45.000
	2000	2000			3WL1120-2□□35-□□□□		1	1 unit	1CA	45.000
II	800	800	66		3WL1208-2□□35-□□□□		1	1 unit	1CA	60.000
	1000	1000			3WL1210-2□□35-□□□□		1	1 unit	1CA	60.000
	1250	1250			3WL1212-2□□35-□□□□		1	1 unit	1CA	60.000
	1600	1600			3WL1216-2□□35-□□□□		1	1 unit	1CA	60.000
	2000	2000			3WL1220-2□□35-□□□□		1	1 unit	1CA	60.000
	2500	2500			3WL1225-2□□35-□□□□		1	1 unit	1CA	63.000
	3200	3200			3WL1232-2□□35-□□□□		1	1 unit	1CA	68.000
NEW	4000	4000			3WL1240-2□□35-□□□□		1	1 unit	1CA	71.000
With guide frames, horizontal main circuit connection										
I	630	630	55		3WL1106-2□□36-□□□□		1	1 unit	1CA	70.000
	800	800			3WL1108-2□□36-□□□□		1	1 unit	1CA	70.000
	1000	1000			3WL1110-2□□36-□□□□		1	1 unit	1CA	70.000
	1250	1250			3WL1112-2□□36-□□□□		1	1 unit	1CA	70.000
	1600	1600			3WL1116-2□□36-□□□□		1	1 unit	1CA	70.000
	2000	2000			3WL1120-2□□36-□□□□		1	1 unit	1CA	70.000
II	800	800	66		3WL1208-2□□36-□□□□		1	1 unit	1CA	91.000
	1000	1000			3WL1210-2□□36-□□□□		1	1 unit	1CA	91.000
	1250	1250			3WL1212-2□□36-□□□□		1	1 unit	1CA	91.000
	1600	1600			3WL1216-2□□36-□□□□		1	1 unit	1CA	91.000
	2000	2000			3WL1220-2□□36-□□□□		1	1 unit	1CA	91.000
	2500	2500			3WL1225-2□□36-□□□□		1	1 unit	1CA	102.000
	3200	3200			3WL1232-2□□36-□□□□		1	1 unit	1CA	113.000

Options					Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units		**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**				
	ETU15B: Protection functions LI		**BB**		✓
	ETU25B: Protection functions LSI		**CB**		✓
	ETU45B: Protection functions LSIN[4]		**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display		**FB**		✓
	ETU76B: Protection functions LSIN[4] with graphics display		**NB**		✓
	Versions with ground-fault protection				
	ETU27B: Protection functions LSING[5]		**DG**		✓
	ETU45B: Protection functions LSING[4][6]		**EG**		✓
	ETU45B: Protection functions LSING[4][6] with 4-line display		**FG**		✓
	ETU76B: Protection functions LSING[4][6] with graphics display		**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO			**1AA2**	**None**
	For further Article No. supplements, see page 1/44				

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

*** You can order this quantity or a multiple thereof.**

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3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
With guide frames, vertical main circuit connection										
I	630	630	55		3WL1106-2□□37-□□□□		1	1 unit	1CA	70.000
	800	800			3WL1108-2□□37-□□□□		1	1 unit	1CA	70.000
	1000	1000			3WL1110-2□□37-□□□□		1	1 unit	1CA	70.000
	1250	1250			3WL1112-2□□37-□□□□		1	1 unit	1CA	70.000
	1600	1600			3WL1116-2□□37-□□□□		1	1 unit	1CA	70.000
	2000	2000			3WL1120-2□□37-□□□□		1	1 unit	1CA	70.000
II	800	800	66		3WL1208-2□□37-□□□□		1	1 unit	1CA	91.000
	1000	1000			3WL1210-2□□37-□□□□		1	1 unit	1CA	91.000
	1250	1250			3WL1212-2□□37-□□□□		1	1 unit	1CA	91.000
	1600	1600			3WL1216-2□□37-□□□□		1	1 unit	1CA	91.000
	2000	2000			3WL1220-2□□37-□□□□		1	1 unit	1CA	91.000
	2500	2500			3WL1225-2□□37-□□□□		1	1 unit	1CA	102.000
	3200	3200			3WL1232-2□□37-□□□□		1	1 unit	1CA	113.000
	4000	4000			3WL1240-2□□37-□□□□		1	1 unit	1CA	121.000
With guide frames, connecting flanges										
I	630	630	55		3WL1106-2□□38-□□□□		1	1 unit	1CA	70.000
	800	800			3WL1108-2□□38-□□□□		1	1 unit	1CA	70.000
	1000	1000			3WL1110-2□□38-□□□□		1	1 unit	1CA	70.000
	1250	1250			3WL1112-2□□38-□□□□		1	1 unit	1CA	70.000
	1600	1600			3WL1116-2□□38-□□□□		1	1 unit	1CA	70.000
	2000	2000			3WL1120-2□□38-□□□□		1	1 unit	1CA	70.000
II	800	800	66		3WL1208-2□□38-□□□□		1	1 unit	1CA	91.000
	1000	1000			3WL1210-2□□38-□□□□		1	1 unit	1CA	91.000
	1250	1250			3WL1212-2□□38-□□□□		1	1 unit	1CA	91.000
	1600	1600			3WL1216-2□□38-□□□□		1	1 unit	1CA	91.000
	2000	2000			3WL1220-2□□38-□□□□		1	1 unit	1CA	91.000
	2500	2500			3WL1225-2□□38-□□□□		1	1 unit	1CA	102.000
	3200	3200			3WL1232-2□□38-□□□□		1	1 unit	1CA	113.000

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[5]	**DG**		✓
	ETU45B: Protection functions LSING[4][6]	**EG**		✓
	ETU45B: Protection functions LSING[4][6] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][6] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

* You can order this quantity or a multiple thereof.

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Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	**I_{cu} 66/80 kA at 500 V, standard breaking capacity S** (S) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Without guide frames[2] (for guide frames, see pages 1/52 to 1/57)										
I	630	630	66		3WL1106-3□□35-□□□□		1	1 unit	1CA	45.000
	800	800			3WL1108-3□□35-□□□□		1	1 unit	1CA	45.000
	1000	1000			3WL1110-3□□35-□□□□		1	1 unit	1CA	45.000
	1250	1250			3WL1112-3□□35-□□□□		1	1 unit	1CA	45.000
	1600	1600			3WL1116-3□□35-□□□□		1	1 unit	1CA	45.000
	2000	2000			3WL1120-3□□35-□□□□		1	1 unit	1CA	45.000
II	800	800	80		3WL1208-3□□35-□□□□		1	1 unit	1CA	60.000
	1000	1000			3WL1210-3□□35-□□□□		1	1 unit	1CA	60.000
	1250	1250			3WL1212-3□□35-□□□□		1	1 unit	1CA	60.000
	1600	1600			3WL1216-3□□35-□□□□		1	1 unit	1CA	60.000
	2000	2000			3WL1220-3□□35-□□□□		1	1 unit	1CA	60.000
	2500	2500			3WL1225-3□□35-□□□□		1	1 unit	1CA	63.000
	3200	3200			3WL1232-3□□35-□□□□		1	1 unit	1CA	68.000
NEW	4000	4000			3WL1240-3□□35-□□□□		1	1 unit		71.000
With guide frames, horizontal main circuit connection										
I	630	630	66		3WL1106-3□□36-□□□□		1	1 unit	1CA	70.000
	800	800			3WL1108-3□□36-□□□□		1	1 unit	1CA	70.000
	1000	1000			3WL1110-3□□36-□□□□		1	1 unit	1CA	70.000
	1250	1250			3WL1112-3□□36-□□□□		1	1 unit	1CA	70.000
	1600	1600			3WL1116-3□□36-□□□□		1	1 unit	1CA	70.000
	2000	2000			3WL1120-3□□36-□□□□		1	1 unit	1CA	70.000
II	800	800	80		3WL1208-3□□36-□□□□		1	1 unit	1CA	91.000
	1000	1000			3WL1210-3□□36-□□□□		1	1 unit	1CA	91.000
	1250	1250			3WL1212-3□□36-□□□□		1	1 unit	1CA	91.000
	1600	1600			3WL1216-3□□36-□□□□		1	1 unit	1CA	91.000
	2000	2000			3WL1220-3□□36-□□□□		1	1 unit	1CA	91.000
	2500	2500			3WL1225-3□□36-□□□□		1	1 unit	1CA	102.000
	3200	3200			3WL1232-3□□36-□□□□		1	1 unit	1CA	113.000

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[5]	**DG**		✓
	ETU45B: Protection functions LSING[4][6]	**EG**		✓
	ETU45B: Protection functions LSING[4][6] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][6] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

*** You can order this quantity or a multiple thereof.**

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3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S) — Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
With guide frames, vertical main circuit connection										
I	630	630	66		3WL1106-3□□37-□□□□		1	1 unit	1CA	70.000
	800	800			3WL1108-3□□37-□□□□		1	1 unit	1CA	70.000
	1000	1000			3WL1110-3□□37-□□□□		1	1 unit	1CA	70.000
	1250	1250			3WL1112-3□□37-□□□□		1	1 unit	1CA	70.000
	1600	1600			3WL1116-3□□37-□□□□		1	1 unit	1CA	70.000
	2000	2000			3WL1120-3□□37-□□□□		1	1 unit	1CA	70.000
II	800	800	80		3WL1208-3□□37-□□□□		1	1 unit	1CA	91.000
	1000	1000			3WL1210-3□□37-□□□□		1	1 unit	1CA	91.000
	1250	1250			3WL1212-3□□37-□□□□		1	1 unit	1CA	91.000
	1600	1600			3WL1216-3□□37-□□□□		1	1 unit	1CA	91.000
	2000	2000			3WL1220-3□□37-□□□□		1	1 unit	1CA	91.000
	2500	2500			3WL1225-3□□37-□□□□		1	1 unit	1CA	102.000
	3200	3200			3WL1232-3□□37-□□□□		1	1 unit	1CA	113.000
	4000	4000			3WL1240-3□□37-□□□□		1	1 unit	1CA	121.000
With guide frames, connecting flanges										
I	630	630	66		3WL1106-3□□38-□□□□		1	1 unit	1CA	70.000
	800	800			3WL1108-3□□38-□□□□		1	1 unit	1CA	70.000
	1000	1000			3WL1110-3□□38-□□□□		1	1 unit	1CA	70.000
	1250	1250			3WL1112-3□□38-□□□□		1	1 unit	1CA	70.000
	1600	1600			3WL1116-3□□38-□□□□		1	1 unit	1CA	70.000
	2000	2000			3WL1120-3□□38-□□□□		1	1 unit	1CA	70.000
II	800	800	80		3WL1208-3□□38-□□□□		1	1 unit	1CA	91.000
	1000	1000			3WL1210-3□□38-□□□□		1	1 unit	1CA	91.000
	1250	1250			3WL1212-3□□38-□□□□		1	1 unit	1CA	91.000
	1600	1600			3WL1216-3□□38-□□□□		1	1 unit	1CA	91.000
	2000	2000			3WL1220-3□□38-□□□□		1	1 unit	1CA	91.000
	2500	2500			3WL1225-3□□38-□□□□		1	1 unit	1CA	102.000
	3200	3200			3WL1232-3□□38-□□□□		1	1 unit	1CA	113.000

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LS-ING[5]	**DG**		✓
	ETU45B: Protection functions LS-ING[4)6)]	**EG**		✓
	ETU45B: Protection functions LSING[4)6)] with 4-line display	**FG**		✓
	ETU76B: Protection functions LS-ING[4)6)] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

* You can order this quantity or a multiple thereof.

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Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	**I_{cu} 85/100 kA at 500 V, high breaking capacity H** (H) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Without guide frames[2] (for guide frames, see pages 1/52 to 1/57)										
I	630	630	85		3WL1106-4□□35-□□□□		1	1 unit	1CA	45.000
	800	800			3WL1108-4□□35-□□□□		1	1 unit	1CA	45.000
	1000	1000			3WL1110-4□□35-□□□□		1	1 unit	1CA	45.000
	1250	1250			3WL1112-4□□35-□□□□		1	1 unit	1CA	45.000
	1600	1600			3WL1116-4□□35-□□□□		1	1 unit	1CA	45.000
	2000	2000			3WL1120-4□□35-□□□□		1	1 unit	1CA	45.000
II	800	800	100		3WL1208-4□□35-□□□□		1	1 unit	1CA	60.000
	1000	1000			3WL1210-4□□35-□□□□		1	1 unit	1CA	60.000
	1250	1250			3WL1212-4□□35-□□□□		1	1 unit	1CA	60.000
	1600	1600			3WL1216-4□□35-□□□□		1	1 unit	1CA	60.000
	2000	2000			3WL1220-4□□35-□□□□		1	1 unit	1CA	60.000
	2500	2500			3WL1225-4□□35-□□□□		1	1 unit	1CA	63.000
	3200	3200			3WL1232-4□□35-□□□□		1	1 unit	1CA	68.000
NEW	4000	4000			3WL1240-4□□35-□□□□		1	1 unit	1CA	71.000
III	4000	4000	100		3WL1340-4□□35-□□□□		1	1 unit	1CA	88.000
	5000	5000			3WL1350-4□□35-□□□□		1	1 unit	1CA	88.000
	6300	6300			3WL1363-4□□35-□□□□		1	1 unit	1CA	96.000
With guide frames, horizontal main circuit connection										
I	630	630	85		3WL1106-4□□36-□□□□		1	1 unit	1CA	70.000
	800	800			3WL1108-4□□36-□□□□		1	1 unit	1CA	70.000
	1000	1000			3WL1110-4□□36-□□□□		1	1 unit	1CA	70.000
	1250	1250			3WL1112-4□□36-□□□□		1	1 unit	1CA	70.000
	1600	1600			3WL1116-4□□36-□□□□		1	1 unit	1CA	70.000
	2000	2000			3WL1120-4□□36-□□□□		1	1 unit	1CA	70.000
II	800	800	100		3WL1208-4□□36-□□□□		1	1 unit	1CA	91.000
	1000	1000			3WL1210-4□□36-□□□□		1	1 unit	1CA	91.000
	1250	1250			3WL1212-4□□36-□□□□		1	1 unit	1CA	91.000
	1600	1600			3WL1216-4□□36-□□□□		1	1 unit	1CA	91.000
	2000	2000			3WL1220-4□□36-□□□□		1	1 unit	1CA	91.000
	2500	2500			3WL1225-4□□36-□□□□		1	1 unit	1CA	102.000
	3200	3200			3WL1232-4□□36-□□□□		1	1 unit	1CA	113.000
III	4000	4000	100		3WL1340-4□□36-□□□□		1	1 unit	1CA	148.000
	5000	5000			3WL1350-4□□36-□□□□		1	1 unit	1CA	148.000

Options					Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**			**None**
Electronic Trip Units	**Versions without ground-fault protection**				
	ETU15B: Protection functions LI[7]	**BB**			✓
	ETU25B: Protection functions LSI	**CB**			✓
	ETU45B: Protection functions LSIN[4]	**EB**			✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**			✓
	ETU76B: Protection functions LSIN[4] with graphics display	**NB**			✓
	Versions with ground-fault protection				
	ETU27B: Protection functions LSING[5]	**DG**			✓
	ETU45B: Protection functions LSING[4][6]	**EG**			✓
	ETU45B: Protection functions LSING[4][6] with 4-line display	**FG**			✓
	ETU76B: Protection functions LSING[4][6] with graphics display	**NG**			✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO			**1AA2**	**None**
	For further Article No. supplements, see page 1/44				

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

7) ETU15B cannot be used with 3WL1 circuit breakers, size III.

*** You can order this quantity or a multiple thereof.**

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3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
With guide frames, vertical main circuit connection										
I	630	630	85		3WL1106-4□□37-□□□□		1	1 unit	1CA	70.000
	800	800			3WL1108-4□□37-□□□□		1	1 unit	1CA	70.000
	1000	1000			3WL1110-4□□37-□□□□		1	1 unit	1CA	70.000
	1250	1250			3WL1112-4□□37-□□□□		1	1 unit	1CA	70.000
	1600	1600			3WL1116-4□□37-□□□□		1	1 unit	1CA	70.000
	2000	2000			3WL1120-4□□37-□□□□		1	1 unit	1CA	70.000
II	800	800	100		3WL1208-4□□37-□□□□		1	1 unit	1CA	91.000
	1000	1000			3WL1210-4□□37-□□□□		1	1 unit	1CA	91.000
	1250	1250			3WL1212-4□□37-□□□□		1	1 unit	1CA	91.000
	1600	1600			3WL1216-4□□37-□□□□		1	1 unit	1CA	91.000
	2000	2000			3WL1220-4□□37-□□□□		1	1 unit	1CA	91.000
	2500	2500			3WL1225-4□□37-□□□□		1	1 unit	1CA	102.000
	3200	3200			3WL1232-4□□37-□□□□		1	1 unit	1CA	113.000
	4000	4000			3WL1240-4□□37-□□□□		1	1 unit	1CA	121.000
III	4000	4000	100		3WL1340-4□□37-□□□□		1	1 unit	1CA	148.000
	5000	5000			3WL1350-4□□37-□□□□		1	1 unit	1CA	148.000
	6300	6300			3WL1363-4□□37-□□□□		1	1 unit	1CA	166.000
With guide frames, connecting flanges										
I	630	630	85		3WL1106-4□□38-□□□□		1	1 unit	1CA	70.000
	800	800			3WL1108-4□□38-□□□□		1	1 unit	1CA	70.000
	1000	1000			3WL1110-4□□38-□□□□		1	1 unit	1CA	70.000
	1250	1250			3WL1112-4□□38-□□□□		1	1 unit	1CA	70.000
	1600	1600			3WL1116-4□□38-□□□□		1	1 unit	1CA	70.000
	2000	2000			3WL1120-4□□38-□□□□		1	1 unit	1CA	70.000
II	800	800	100		3WL1208-4□□38-□□□□		1	1 unit	1CA	91.000
	1000	1000			3WL1210-4□□38-□□□□		1	1 unit	1CA	91.000
	1250	1250			3WL1212-4□□38-□□□□		1	1 unit	1CA	91.000
	1600	1600			3WL1216-4□□38-□□□□		1	1 unit	1CA	91.000
	2000	2000			3WL1220-4□□38-□□□□		1	1 unit	1CA	91.000
	2500	2500			3WL1225-4□□38-□□□□		1	1 unit	1CA	102.000
	3200	3200			3WL1232-4□□38-□□□□		1	1 unit	1CA	113.000
III	4000	4000	100		3WL1340-4□□38-□□□□		1	1 unit	1CA	148.000

Options					Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**			**None**
Electronic Trip Units	**Versions without ground-fault protection**				
	ETU15B: Protection functions LI[7]	**BB**			✓
	ETU25B: Protection functions LSI	**CB**			✓
	ETU45B: Protection functions LSIN[4]	**EB**			✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**			✓
	ETU76B: Protection functions LSIN[4] with graphics display	**NB**			✓
	Versions with ground-fault protection				
	ETU27B: Protection functions LSING[5]	**DG**			✓
	ETU45B: Protection functions LSING[4][6]	**EG**			✓
	ETU45B: Protection functions LSING[4][6] with 4-line display	**FG**			✓
	ETU76B: Protection functions LSING[4][6] with graphics display	**NG**			✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO			**1AA2**	**None**
	For further Article No. supplements, see page 1/44				

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

7) ETU15B cannot be used with 3WL1 circuit breakers, size III.

* You can order this quantity or a multiple thereof.

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Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	**I_{cu} 130/150 kA at 500 V, very high breaking capacity C** Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Without guide frames[2] (for guide frames, see pages 1/52 to 1/57)										
II	1600	1600	130		3WL1216-5□□35-□□□□		1	1 unit	1CA	69.000
	2000	2000			3WL1220-5□□35-□□□□		1	1 unit	1CA	69.000
	2500	2500			3WL1225-5□□35-□□□□		1	1 unit	1CA	69.000
	3200	3200			3WL1232-5□□35-□□□□		1	1 unit	1CA	69.000
III	4000	4000	150		3WL1340-5□□35-□□□□		1	1 unit	1CA	88.000
	5000	5000			3WL1350-5□□35-□□□□		1	1 unit	1CA	88.000
	6300	6300			3WL1363-5□□35-□□□□		1	1 unit	1CA	96.000
With guide frames, horizontal main circuit connection										
II	1600	1600	130		3WL1216-5□□36-□□□□		1	1 unit	1CA	123.000
	2000	2000			3WL1220-5□□36-□□□□		1	1 unit	1CA	123.000
	2500	2500			3WL1225-5□□36-□□□□		1	1 unit	1CA	123.000
	3200	3200			3WL1232-5□□36-□□□□		1	1 unit	1CA	123.000
III	4000	4000	150		3WL1340-5□□36-□□□□		1	1 unit	1CA	148.000
	5000	5000			3WL1350-5□□36-□□□□		1	1 unit	1CA	148.000
With guide frames, vertical main circuit connection										
II	1600	1600	130		3WL1216-5□□37-□□□□		1	1 unit	1CA	123.000
	2000	2000			3WL1220-5□□37-□□□□		1	1 unit	1CA	123.000
	2500	2500			3WL1225-5□□37-□□□□		1	1 unit	1CA	123.000
	3200	3200			3WL1232-5□□37-□□□□		1	1 unit	1CA	123.000
III	4000	4000	150		3WL1340-5□□37-□□□□		1	1 unit	1CA	148.000
	5000	5000			3WL1350-5□□37-□□□□		1	1 unit	1CA	148.000
	6300	6300			3WL1363-5□□37-□□□□		1	1 unit	1CA	166.000

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[4]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[5]	**EB**		✓
	ETU45B: Protection functions LSIN[5] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[5] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[6]	**DG**		✓
	ETU45B: Protection functions LSING[5)7)]	**EG**		✓
	ETU45B: Protection functions LSING[5)7)] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[5)7)] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) ETU15B cannot be used with 3WL1 circuit breakers, size III.

5) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58.

6) Current transformers for protection of the N conductor are to be ordered separately, see page 1/58.

7) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

*** You can order this quantity or a multiple thereof.**

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4-pole, fixed-mounted versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N)		PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
					Article No. www.siemens.com/product?Article No.	Basic price per PU				
	A	A	kA							kg
Horizontal main circuit connection										
I	630	630	55		3WL1106-2□□42-□□□□		1	1 unit	1CA	50.000
	800	800			3WL1108-2□□42-□□□□		1	1 unit	1CA	50.000
	1000	1000			3WL1110-2□□42-□□□□		1	1 unit	1CA	50.000
	1250	1250			3WL1112-2□□42-□□□□		1	1 unit	1CA	50.000
	1600	1600			3WL1116-2□□42-□□□□		1	1 unit	1CA	50.000
	2000	2000			3WL1120-2□□42-□□□□		1	1 unit	1CA	50.000
II	800	800	66		3WL1208-2□□42-□□□□		1	1 unit	1CA	67.000
	1000	1000			3WL1210-2□□42-□□□□		1	1 unit	1CA	67.000
	1250	1250			3WL1212-2□□42-□□□□		1	1 unit	1CA	67.000
	1600	1600			3WL1216-2□□42-□□□□		1	1 unit	1CA	67.000
	2000	2000			3WL1220-2□□42-□□□□		1	1 unit	1CA	67.000
	2500	2500			3WL1225-2□□42-□□□□		1	1 unit	1CA	71.000
	3200	3200			3WL1232-2□□42-□□□□		1	1 unit	1CA	77.000
Vertical main circuit connection										
I	630	630	55		3WL1106-2□□41-□□□□		1	1 unit	1CA	50.000
	800	800			3WL1108-2□□41-□□□□		1	1 unit	1CA	50.000
	1000	1000			3WL1110-2□□41-□□□□		1	1 unit	1CA	50.000
	1250	1250			3WL1112-2□□41-□□□□		1	1 unit	1CA	50.000
	1600	1600			3WL1116-2□□41-□□□□		1	1 unit	1CA	50.000
	2000	2000			3WL1120-2□□41-□□□□		1	1 unit	1CA	50.000
II	800	800	66		3WL1208-2□□41-□□□□		1	1 unit	1CA	75.000
	1000	1000			3WL1210-2□□41-□□□□		1	1 unit	1CA	75.000
	1250	1250			3WL1212-2□□41-□□□□		1	1 unit	1CA	75.000
	1600	1600			3WL1216-2□□41-□□□□		1	1 unit	1CA	75.000
	2000	2000			3WL1220-2□□41-□□□□		1	1 unit	1CA	67.000
	2500	2500			3WL1225-2□□41-□□□□		1	1 unit	1CA	71.000
	3200	3200			3WL1232-2□□41-□□□□		1	1 unit	1CA	77.000
	4000	4000			3WL1240-2□□41-□□□□		1	1 unit	1CA	103.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LS-ING[3]	**DG**		✓
	ETU45B: Protection functions LS-ING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
	ETU76B: Protection functions LS-ING[3][4] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

* You can order this quantity or a multiple thereof.

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4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N)		PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
					Article No. www.siemens.com/product?Article No.	Basic price per PU				
	A	A	kA							kg
Front main circuit connection, single hole										
I	630	630	55		3WL1106-2□□43-□□□□		1	1 unit	1CA	50.000
	800	800			3WL1108-2□□43-□□□□		1	1 unit	1CA	50.000
	1000	1000			3WL1110-2□□43-□□□□		1	1 unit	1CA	50.000
	1250	1250			3WL1112-2□□43-□□□□		1	1 unit	1CA	50.000
	1600	1600			3WL1116-2□□43-□□□□		1	1 unit	1CA	50.000
II	800	800	66		3WL1208-2□□43-□□□□		1	1 unit	1CA	67.000
	1000	1000			3WL1210-2□□43-□□□□		1	1 unit	1CA	67.000
	1250	1250			3WL1212-2□□43-□□□□		1	1 unit	1CA	67.000
	1600	1600			3WL1216-2□□43-□□□□		1	1 unit	1CA	67.000
	2000	2000			3WL1220-2□□43-□□□□		1	1 unit	1CA	67.000
	2500	2500			3WL1225-2□□43-□□□□		1	1 unit	1CA	71.000
	3200	3200			3WL1232-2□□43-□□□□		1	1 unit	1CA	77.000
Front main circuit connection, double hole										
I	630	630	55		3WL1106-2□□44-□□□□		1	1 unit	1CA	50.000
	800	800			3WL1108-2□□44-□□□□		1	1 unit	1CA	50.000
	1000	1000			3WL1110-2□□44-□□□□		1	1 unit	1CA	50.000
	1250	1250			3WL1112-2□□44-□□□□		1	1 unit	1CA	50.000
	1600	1600			3WL1116-2□□44-□□□□		1	1 unit	1CA	50.000
	2000	2000			3WL1120-2□□44-□□□□		1	1 unit	1CA	50.000
II	800	800	66		3WL1208-2□□44-□□□□		1	1 unit	1CA	67.000
	1000	1000			3WL1210-2□□44-□□□□		1	1 unit	1CA	67.000
	1250	1250			3WL1212-2□□44-□□□□		1	1 unit	1CA	67.000
	1600	1600			3WL1216-2□□44-□□□□		1	1 unit	1CA	67.000
	2000	2000			3WL1220-2□□44-□□□□		1	1 unit	1CA	67.000
	2500	2500			3WL1225-2□□44-□□□□		1	1 unit	1CA	71.000
	3200	3200			3WL1232-2□□44-□□□□		1	1 unit	1CA	77.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[3]	**DG**		✓
	ETU45B: Protection functions LSING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][4] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

*** You can order this quantity or a multiple thereof.**

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4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Horizontal main circuit connection										
I	630	630	66		3WL1106-3□□42-□□□□		1	1 unit	1CA	50.000
	800	800			3WL1108-3□□42-□□□□		1	1 unit	1CA	50.000
	1000	1000			3WL1110-3□□42-□□□□		1	1 unit	1CA	50.000
	1250	1250			3WL1112-3□□42-□□□□		1	1 unit	1CA	50.000
	1600	1600			3WL1116-3□□42-□□□□		1	1 unit	1CA	50.000
	2000	2000			3WL1120-3□□42-□□□□		1	1 unit	1CA	50.000
II	800	800	80		3WL1208-3□□42-□□□□		1	1 unit	1CA	67.000
	1000	1000			3WL1210-3□□42-□□□□		1	1 unit	1CA	67.000
	1250	1250			3WL1212-3□□42-□□□□		1	1 unit	1CA	67.000
	1600	1600			3WL1216-3□□42-□□□□		1	1 unit	1CA	67.000
	2000	2000			3WL1220-3□□42-□□□□		1	1 unit	1CA	67.000
	2500	2500			3WL1225-3□□42-□□□□		1	1 unit	1CA	71.000
	3200	3200			3WL1232-3□□42-□□□□		1	1 unit	1CA	77.000
Vertical main circuit connection										
I	630	630	66		3WL1106-3□□41-□□□□		1	1 unit	1CA	50.000
	800	800			3WL1108-3□□41-□□□□		1	1 unit	1CA	50.000
	1000	1000			3WL1110-3□□41-□□□□		1	1 unit	1CA	50.000
	1250	1250			3WL1112-3□□41-□□□□		1	1 unit	1CA	50.000
	1600	1600			3WL1116-3□□41-□□□□		1	1 unit	1CA	50.000
	2000	2000			3WL1120-3□□41-□□□□		1	1 unit	1CA	50.000
II	800	800	80		3WL1208-3□□41-□□□□		1	1 unit	1CA	67.000
	1000	1000			3WL1210-3□□41-□□□□		1	1 unit	1CA	67.000
	1250	1250			3WL1212-3□□41-□□□□		1	1 unit	1CA	67.000
	1600	1600			3WL1216-3□□41-□□□□		1	1 unit	1CA	67.000
	2000	2000			3WL1220-3□□41-□□□□		1	1 unit	1CA	67.000
	2500	2500			3WL1225-3□□41-□□□□		1	1 unit	1CA	71.000
	3200	3200			3WL1232-3□□41-□□□□		1	1 unit	1CA	77.000
	4000	4000			3WL1240-3□□41-□□□□		1	1 unit	1CA	103.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[3]	**DG**		✓
	ETU45B: Protection functions LSING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][4] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

* You can order this quantity or a multiple thereof.

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4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S) — Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Front main circuit connection, single hole										
I	630	630	66		3WL1106-3□□43-□□□□		1	1 unit	1CA	50.000
	800	800			3WL1108-3□□43-□□□□		1	1 unit	1CA	50.000
	1000	1000			3WL1110-3□□43-□□□□		1	1 unit	1CA	50.000
	1250	1250			3WL1112-3□□43-□□□□		1	1 unit	1CA	50.000
	1600	1600			3WL1116-3□□43-□□□□		1	1 unit	1CA	50.000
II	800	800	80		3WL1208-3□□43-□□□□		1	1 unit	1CA	67.000
	1000	1000			3WL1210-3□□43-□□□□		1	1 unit	1CA	67.000
	1250	1250			3WL1212-3□□43-□□□□		1	1 unit	1CA	67.000
	1600	1600			3WL1216-3□□43-□□□□		1	1 unit	1CA	67.000
	2000	2000			3WL1220-3□□43-□□□□		1	1 unit	1CA	67.000
	2500	2500			3WL1225-3□□43-□□□□		1	1 unit	1CA	71.000
	3200	3200			3WL1232-3□□43-□□□□		1	1 unit	1CA	77.000
Front main circuit connection, double hole										
I	630	630	66		3WL1106-3□□44-□□□□		1	1 unit	1CA	50.000
	800	800			3WL1108-3□□44-□□□□		1	1 unit	1CA	50.000
	1000	1000			3WL1110-3□□44-□□□□		1	1 unit	1CA	50.000
	1250	1250			3WL1112-3□□44-□□□□		1	1 unit	1CA	50.000
	1600	1600			3WL1116-3□□44-□□□□		1	1 unit	1CA	50.000
	2000	2000			3WL1120-3□□44-□□□□		1	1 unit	1CA	50.000
II	800	800	80		3WL1208-3□□44-□□□□		1	1 unit	1CA	67.000
	1000	1000			3WL1210-3□□44-□□□□		1	1 unit	1CA	67.000
	1250	1250			3WL1212-3□□44-□□□□		1	1 unit	1CA	67.000
	1600	1600			3WL1216-3□□44-□□□□		1	1 unit	1CA	67.000
	2000	2000			3WL1220-3□□44-□□□□		1	1 unit	1CA	67.000
	2500	2500			3WL1225-3□□44-□□□□		1	1 unit	1CA	71.000
	3200	3200			3WL1232-3□□44-□□□□		1	1 unit	1CA	77.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[3]	**DG**		✓
	ETU45B: Protection functions LSING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][4] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

*** You can order this quantity or a multiple thereof.**

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4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Horizontal main circuit connection										
I	630	630	85		3WL1106-4□□42-□□□□		1	1 unit	1CA	50.000
	800	800			3WL1108-4□□42-□□□□		1	1 unit	1CA	50.000
	1000	1000			3WL1110-4□□42-□□□□		1	1 unit	1CA	50.000
	1250	1250			3WL1112-4□□42-□□□□		1	1 unit	1CA	50.000
	1600	1600			3WL1116-4□□42-□□□□		1	1 unit	1CA	50.000
	2000	2000			3WL1120-4□□42-□□□□		1	1 unit	1CA	50.000
II	800	800	100		3WL1208-4□□42-□□□□		1	1 unit	1CA	67.000
	1000	1000			3WL1210-4□□42-□□□□		1	1 unit	1CA	67.000
	1250	1250			3WL1212-4□□42-□□□□		1	1 unit	1CA	67.000
	1600	1600			3WL1216-4□□42-□□□□		1	1 unit	1CA	67.000
	2000	2000			3WL1220-4□□42-□□□□		1	1 unit	1CA	67.000
	2500	2500			3WL1225-4□□42-□□□□		1	1 unit	1CA	71.000
	3200	3200			3WL1232-4□□42-□□□□		1	1 unit	1CA	77.000
III	4000	4000	100		3WL1340-4□□42-□□□□		1	1 unit	1CA	99.000
	5000	5000			3WL1350-4□□42-□□□□		1	1 unit	1CA	99.000
Vertical main circuit connection										
I	630	630	85		3WL1106-4□□41-□□□□		1	1 unit	1CA	50.000
	800	800			3WL1108-4□□41-□□□□		1	1 unit	1CA	50.000
	1000	1000			3WL1110-4□□41-□□□□		1	1 unit	1CA	50.000
	1250	1250			3WL1112-4□□41-□□□□		1	1 unit	1CA	50.000
	1600	1600			3WL1116-4□□41-□□□□		1	1 unit	1CA	50.000
	2000	2000			3WL1120-4□□41-□□□□		1	1 unit	1CA	50.000
II	800	800	100		3WL1208-4□□41-□□□□		1	1 unit	1CA	67.000
	1000	1000			3WL1210-4□□41-□□□□		1	1 unit	1CA	67.000
	1250	1250			3WL1212-4□□41-□□□□		1	1 unit	1CA	67.000
	1600	1600			3WL1216-4□□41-□□□□		1	1 unit	1CA	67.000
	2000	2000			3WL1220-4□□41-□□□□		1	1 unit	1CA	67.000
	2500	2500			3WL1225-4□□41-□□□□		1	1 unit	1CA	71.000
	3200	3200			3WL1232-4□□41-□□□□		1	1 unit	1CA	77.000
	4000	4000			3WL1240-4□□41-□□□□		1	1 unit	1CA	103.000
III	4000	4000	100		3WL1340-4□□41-□□□□		1	1 unit	1CA	99.000
	5000	5000			3WL1350-4□□41-□□□□		1	1 unit	1CA	99.000
	6300	6300			3WL1363-4□□41-□□□□		1	1 unit	1CA	108.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[5]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[3] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[3]	**DG**		✓
	ETU45B: Protection functions LSING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[3][4] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

5) ETU15B cannot be used with 3WL1 circuit breakers, size III.

* You can order this quantity or a multiple thereof.

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4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Front main circuit connection, single hole										
II	800	800	100		3WL1208-4□□43-□□□□		1	1 unit	1CA	67.000
	1000	1000			3WL1210-4□□43-□□□□		1	1 unit	1CA	67.000
	1250	1250			3WL1212-4□□43-□□□□		1	1 unit	1CA	67.000
	1600	1600			3WL1216-4□□43-□□□□		1	1 unit	1CA	67.000
	2000	2000			3WL1220-4□□43-□□□□		1	1 unit	1CA	67.000
	2500	2500			3WL1225-4□□43-□□□□		1	1 unit	1CA	71.000
	3200	3200			3WL1232-4□□43-□□□□		1	1 unit	1CA	77.000
III	4000	4000	100		3WL1340-4□□43-□□□□		1	1 unit	1CA	99.000
Front main circuit connection, double hole										
I	630	630	85		3WL1106-4□□44-□□□□		1	1 unit	1CA	50.000
	800	800			3WL1108-4□□44-□□□□		1	1 unit	1CA	50.000
	1000	1000			3WL1110-4□□44-□□□□		1	1 unit	1CA	50.000
	1250	1250			3WL1112-4□□44-□□□□		1	1 unit	1CA	50.000
	1600	1600			3WL1116-4□□44-□□□□		1	1 unit	1CA	50.000
	2000	2000			3WL1120-4□□44-□□□□		1	1 unit	1CA	50.000
II	800	800	100		3WL1208-4□□44-□□□□		1	1 unit	1CA	67.000
	1000	1000			3WL1210-4□□44-□□□□		1	1 unit	1CA	67.000
	1250	1250			3WL1212-4□□44-□□□□		1	1 unit	1CA	67.000
	1600	1600			3WL1216-4□□44-□□□□		1	1 unit	1CA	67.000
	2000	2000			3WL1220-4□□44-□□□□		1	1 unit	1CA	67.000
	2500	2500			3WL1225-4□□44-□□□□		1	1 unit	1CA	71.000
	3200	3200			3WL1232-4□□44-□□□□		1	1 unit	1CA	77.000
III	4000	4000	100		3WL1340-4□□44-□□□□		1	1 unit	1CA	99.000

Options					Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units		**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**				
	ETU15B: Protection functions LI[5]		**BB**		✓
	ETU25B: Protection functions LSI		**CB**		✓
	ETU45B: Protection functions LSIN[3]		**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display		**FB**		✓
	ETU76B: Protection functions LSIN[3] with graphics display		**NB**		✓
	Versions with ground-fault protection				
	ETU27B: Protection functions LSING[3]		**DG**		✓
	ETU45B: Protection functions LSING[3][4]		**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display		**FG**		✓
	ETU76B: Protection functions LSING[3][4] with graphics display		**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO			**1AA2**	**None**
	For further Article No. supplements, see page 1/44				

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

5) ETU15B cannot be used with 3WL1 circuit breakers, size III.

*** You can order this quantity or a multiple thereof.**

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4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	**I_{cu} 130/150 kA at 500 V, very high breaking capacity C** Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Horizontal main circuit connection										
II	1600	1600	130		**3WL1216-5□□42-□□□□**		1	1 unit	1CA	78.000
	2000	2000			**3WL1220-5□□42-□□□□**		1	1 unit	1CA	78.000
	2500	2500			**3WL1225-5□□42-□□□□**		1	1 unit	1CA	78.000
	3200	3200			**3WL1232-5□□42-□□□□**		1	1 unit	1CA	78.000
III	4000	4000	130		**3WL1340-5□□42-□□□□**		1	1 unit	1CA	99.000
	5000	5000			**3WL1350-5□□42-□□□□**		1	1 unit	1CA	99.000
Vertical main circuit connection										
II	1600	1600	130		**3WL1216-5□□41-□□□□**		1	1 unit	1CA	78.000
	2000	2000			**3WL1220-5□□41-□□□□**		1	1 unit	1CA	78.000
	2500	2500			**3WL1225-5□□41-□□□□**		1	1 unit	1CA	78.000
	3200	3200			**3WL1232-5□□41-□□□□**		1	1 unit	1CA	78.000
III	4000	4000	130		**3WL1340-5□□41-□□□□**		1	1 unit	1CA	99.000
	5000	5000			**3WL1350-5□□41-□□□□**		1	1 unit	1CA	99.000
	6300	6300			**3WL1363-5□□41-□□□□**		1	1 unit	1CA	108.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[3]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][5] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

3) ETU15B cannot be used with 3WL1 circuit breakers, size III.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

* You can order this quantity or a multiple thereof.

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Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Without guide frames[2] (for guide frames, see pages 1/52 to 1/57)										
I	630	630	55		3WL1106-2□□45-□□□□		1	1 unit	1CA	54.000
	800	800			3WL1108-2□□45-□□□□		1	1 unit	1CA	54.000
	1000	1000			3WL1110-2□□45-□□□□		1	1 unit	1CA	54.000
	1250	1250			3WL1112-2□□45-□□□□		1	1 unit	1CA	54.000
	1600	1600			3WL1116-2□□45-□□□□		1	1 unit	1CA	54.000
	2000	2000			3WL1120-2□□45-□□□□		1	1 unit	1CA	54.000
II	800	800	66		3WL1208-2□□45-□□□□		1	1 unit	1CA	75.000
	1000	1000			3WL1210-2□□45-□□□□		1	1 unit	1CA	75.000
	1250	1250			3WL1212-2□□45-□□□□		1	1 unit	1CA	75.000
	1600	1600			3WL1216-2□□45-□□□□		1	1 unit	1CA	75.000
	2000	2000			3WL1220-2□□45-□□□□		1	1 unit	1CA	72.000
	2500	2500			3WL1225-2□□45-□□□□		1	1 unit	1CA	76.000
	3200	3200			3WL1232-2□□45-□□□□		1	1 unit	1CA	82.000
NEW	4000	4000			3WL1240-2□□45-□□□□		1	1 unit	1CA	84.000
With guide frames, horizontal main circuit connection										
I	630	630	55		3WL1106-2□□46-□□□□		1	1 unit	1CA	84.000
	800	800			3WL1108-2□□46-□□□□		1	1 unit	1CA	84.000
	1000	1000			3WL1110-2□□46-□□□□		1	1 unit	1CA	84.000
	1250	1250			3WL1112-2□□46-□□□□		1	1 unit	1CA	84.000
	1600	1600			3WL1116-2□□46-□□□□		1	1 unit	1CA	84.000
	2000	2000			3WL1120-2□□46-□□□□		1	1 unit	1CA	84.000
II	800	800	66		3WL1208-2□□46-□□□□		1	1 unit	1CA	109.000
	1000	1000			3WL1210-2□□46-□□□□		1	1 unit	1CA	109.000
	1250	1250			3WL1212-2□□46-□□□□		1	1 unit	1CA	109.000
	1600	1600			3WL1216-2□□46-□□□□		1	1 unit	1CA	109.000
	2000	2000			3WL1220-2□□46-□□□□		1	1 unit	1CA	109.000
	2500	2500			3WL1225-2□□46-□□□□		1	1 unit	1CA	123.000
	3200	3200			3WL1232-2□□46-□□□□		1	1 unit	1CA	136.000

Options					Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units		**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**				
	ETU15B: Protection functions LI		**BB**		✓
	ETU25B: Protection functions LSI		**CB**		✓
	ETU45B: Protection functions LSIN[4]		**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display		**FB**		✓
	ETU76B: Protection functions LSIN[4] with graphics display		**NB**		✓
	Versions with ground-fault protection				
	ETU27B: Protection functions LSING[4]		**DG**		✓
	ETU45B: Protection functions LSING[4][5]		**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display		**FG**		✓
	ETU76B: Protection functions LSING[4][5] with graphics display		**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO			**1AA2**	**None**
	For further Article No. supplements, see page 1/44				

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

*** You can order this quantity or a multiple thereof.**

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4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N (N) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
With guide frames, vertical main circuit connection										
I	630	630	55		3WL1106-2□□47-□□□□		1	1 unit	1CA	84.000
	800	800			3WL1108-2□□47-□□□□		1	1 unit	1CA	84.000
	1000	1000			3WL1110-2□□47-□□□□		1	1 unit	1CA	84.000
	1250	1250			3WL1112-2□□47-□□□□		1	1 unit	1CA	84.000
	1600	1600			3WL1116-2□□47-□□□□		1	1 unit	1CA	84.000
	2000	2000			3WL1120-2□□47-□□□□		1	1 unit	1CA	84.000
II	800	800	66		3WL1208-2□□47-□□□□		1	1 unit	1CA	109.000
	1000	1000			3WL1210-2□□47-□□□□		1	1 unit	1CA	109.000
	1250	1250			3WL1212-2□□47-□□□□		1	1 unit	1CA	109.000
	1600	1600			3WL1216-2□□47-□□□□		1	1 unit	1CA	109.000
	2000	2000			3WL1220-2□□47-□□□□		1	1 unit	1CA	109.000
	2500	2500			3WL1225-2□□47-□□□□		1	1 unit	1CA	123.000
	3200	3200			3WL1232-2□□47-□□□□		1	1 unit	1CA	136.000
	4000	4000			3WL1240-2□□47-□□□□		1	1 unit	1CA	146.000
With guide frames, connecting flanges										
I	630	630	55		3WL1106-2□□48-□□□□		1	1 unit	1CA	84.000
	800	800			3WL1108-2□□48-□□□□		1	1 unit	1CA	84.000
	1000	1000			3WL1110-2□□48-□□□□		1	1 unit	1CA	84.000
	1250	1250			3WL1112-2□□48-□□□□		1	1 unit	1CA	84.000
	1600	1600			3WL1116-2□□48-□□□□		1	1 unit	1CA	84.000
	2000	2000			3WL1120-2□□48-□□□□		1	1 unit	1CA	84.000
II	800	800	66		3WL1208-2□□48-□□□□		1	1 unit	1CA	109.000
	1000	1000			3WL1210-2□□48-□□□□		1	1 unit	1CA	109.000
	1250	1250			3WL1212-2□□48-□□□□		1	1 unit	1CA	109.000
	1600	1600			3WL1216-2□□48-□□□□		1	1 unit	1CA	109.000
	2000	2000			3WL1220-2□□48-□□□□		1	1 unit	1CA	109.000
	2500	2500			3WL1225-2□□48-□□□□		1	1 unit	1CA	123.000
	3200	3200			3WL1232-2□□48-□□□□		1	1 unit	1CA	136.000

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][5] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

* You can order this quantity or a multiple thereof.

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4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S) — Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Without guide frames[2] (for guide frames, see pages 1/52 to 1/57)										
I	630	630	66		3WL1106-3□□45-□□□□		1	1 unit	1CA	54.000
	800	800			3WL1108-3□□45-□□□□		1	1 unit	1CA	54.000
	1000	1000			3WL1110-3□□45-□□□□		1	1 unit	1CA	54.000
	1250	1250			3WL1112-3□□45-□□□□		1	1 unit	1CA	54.000
	1600	1600			3WL1116-3□□45-□□□□		1	1 unit	1CA	54.000
	2000	2000			3WL1120-3□□45-□□□□		1	1 unit	1CA	54.000
II	800	800	80		3WL1208-3□□45-□□□□		1	1 unit	1CA	72.000
	1000	1000			3WL1210-3□□45-□□□□		1	1 unit	1CA	72.000
	1250	1250			3WL1212-3□□45-□□□□		1	1 unit	1CA	72.000
	1600	1600			3WL1216-3□□45-□□□□		1	1 unit	1CA	72.000
	2000	2000			3WL1220-3□□45-□□□□		1	1 unit	1CA	72.000
	2500	2500			3WL1225-3□□45-□□□□		1	1 unit	1CA	76.000
	3200	3200			3WL1232-3□□45-□□□□		1	1 unit	1CA	82.000
NEW	4000	4000			3WL1240-3□□45-□□□□		1	1 unit	1CA	84.000
With guide frames, horizontal main circuit connection										
I	630	630	66		3WL1106-3□□46-□□□□		1	1 unit	1CA	84.000
	800	800			3WL1108-3□□46-□□□□		1	1 unit	1CA	84.000
	1000	1000			3WL1110-3□□46-□□□□		1	1 unit	1CA	84.000
	1250	1250			3WL1112-3□□46-□□□□		1	1 unit	1CA	84.000
	1600	1600			3WL1116-3□□46-□□□□		1	1 unit	1CA	84.000
	2000	2000			3WL1120-3□□46-□□□□		1	1 unit	1CA	84.000
II	800	800	80		3WL1208-3□□46-□□□□		1	1 unit	1CA	109.000
	1000	1000			3WL1210-3□□46-□□□□		1	1 unit	1CA	109.000
	1250	1250			3WL1212-3□□46-□□□□		1	1 unit	1CA	109.000
	1600	1600			3WL1216-3□□46-□□□□		1	1 unit	1CA	109.000
	2000	2000			3WL1220-3□□46-□□□□		1	1 unit	1CA	109.000
	2500	2500			3WL1225-3□□46-□□□□		1	1 unit	1CA	123.000
	3200	3200			3WL1232-3□□46-□□□□		1	1 unit	1CA	136.000

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][5] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

*** You can order this quantity or a multiple thereof.**

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4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 66/80 kA at 500 V, standard breaking capacity S (S) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
With guide frames, vertical main circuit connection										
I	630	630	66		3WL1106-3□□47-□□□□		1	1 unit	1CA	84.000
	800	800			3WL1108-3□□47-□□□□		1	1 unit	1CA	84.000
	1000	1000			3WL1110-3□□47-□□□□		1	1 unit	1CA	84.000
	1250	1250			3WL1112-3□□47-□□□□		1	1 unit	1CA	84.000
	1600	1600			3WL1116-3□□47-□□□□		1	1 unit	1CA	84.000
	2000	2000			3WL1120-3□□47-□□□□		1	1 unit	1CA	84.000
II	800	800	80		3WL1208-3□□47-□□□□		1	1 unit	1CA	109.000
	1000	1000			3WL1210-3□□47-□□□□		1	1 unit	1CA	109.000
	1250	1250			3WL1212-3□□47-□□□□		1	1 unit	1CA	109.000
	1600	1600			3WL1216-3□□47-□□□□		1	1 unit	1CA	109.000
	2000	2000			3WL1220-3□□47-□□□□		1	1 unit	1CA	109.000
	2500	2500			3WL1225-3□□47-□□□□		1	1 unit	1CA	123.000
	3200	3200			3WL1232-3□□47-□□□□		1	1 unit	1CA	136.000
	4000	4000			3WL1240-3□□47-□□□□		1	1 unit	1CA	146.000
With guide frames, connecting flanges										
I	630	630	66		3WL1106-3□□48-□□□□		1	1 unit	1CA	84.000
	800	800			3WL1108-3□□48-□□□□		1	1 unit	1CA	84.000
	1000	1000			3WL1110-3□□48-□□□□		1	1 unit	1CA	84.000
	1250	1250			3WL1112-3□□48-□□□□		1	1 unit	1CA	84.000
	1600	1600			3WL1116-3□□48-□□□□		1	1 unit	1CA	84.000
	2000	2000			3WL1120-3□□48-□□□□		1	1 unit	1CA	84.000
II	800	800	80		3WL1208-3□□48-□□□□		1	1 unit	1CA	109.000
	1000	1000			3WL1210-3□□48-□□□□		1	1 unit	1CA	109.000
	1250	1250			3WL1212-3□□48-□□□□		1	1 unit	1CA	109.000
	1600	1600			3WL1216-3□□48-□□□□		1	1 unit	1CA	109.000
	2000	2000			3WL1220-3□□48-□□□□		1	1 unit	1CA	109.000
	2500	2500			3WL1225-3□□48-□□□□		1	1 unit	1CA	123.000
	3200	3200			3WL1232-3□□48-□□□□		1	1 unit	1CA	136.000

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][5] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

* You can order this quantity or a multiple thereof.

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4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H) Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Without guide frames[2] (for guide frames, see pages 1/52 to 1/57)										
I	630	630	85		3WL1106-4□□45-□□□□		1	1 unit	1CA	54.000
	800	800			3WL1108-4□□45-□□□□		1	1 unit	1CA	54.000
	1000	1000			3WL1110-4□□45-□□□□		1	1 unit	1CA	54.000
	1250	1250			3WL1112-4□□45-□□□□		1	1 unit	1CA	54.000
	1600	1600			3WL1116-4□□45-□□□□		1	1 unit	1CA	54.000
	2000	2000			3WL1120-4□□45-□□□□		1	1 unit	1CA	54.000
II	800	800	100		3WL1208-4□□45-□□□□		1	1 unit	1CA	72.000
	1000	1000			3WL1210-4□□45-□□□□		1	1 unit	1CA	72.000
	1250	1250			3WL1212-4□□45-□□□□		1	1 unit	1CA	72.000
	1600	1600			3WL1216-4□□45-□□□□		1	1 unit	1CA	72.000
	2000	2000			3WL1220-4□□45-□□□□		1	1 unit	1CA	72.000
	2500	2500			3WL1225-4□□45-□□□□		1	1 unit	1CA	76.000
	3200	3200			3WL1232-4□□45-□□□□		1	1 unit	1CA	82.000
NEW	4000	4000			3WL1240-4□□45-□□□□		1	1 unit	1CA	84.000
III	4000	4000	100		3WL1340-4□□45-□□□□		1	1 unit	1CA	106.000
	5000	5000			3WL1350-4□□45-□□□□		1	1 unit	1CA	106.000
	6300	6300			3WL1363-4□□45-□□□□		1	1 unit	1CA	108.000
With guide frames, horizontal main circuit connection										
I	630	630	85		3WL1106-4□□46-□□□□		1	1 unit	1CA	84.000
	800	800			3WL1108-4□□46-□□□□		1	1 unit	1CA	84.000
	1000	1000			3WL1110-4□□46-□□□□		1	1 unit	1CA	84.000
	1250	1250			3WL1112-4□□46-□□□□		1	1 unit	1CA	84.000
	1600	1600			3WL1116-4□□46-□□□□		1	1 unit	1CA	84.000
	2000	2000			3WL1120-4□□46-□□□□		1	1 unit	1CA	84.000
II	800	800	100		3WL1208-4□□46-□□□□		1	1 unit	1CA	109.000
	1000	1000			3WL1210-4□□46-□□□□		1	1 unit	1CA	109.000
	1250	1250			3WL1212-4□□46-□□□□		1	1 unit	1CA	109.000
	1600	1600			3WL1216-4□□46-□□□□		1	1 unit	1CA	109.000
	2000	2000			3WL1220-4□□46-□□□□		1	1 unit	1CA	109.000
	2500	2500			3WL1225-4□□46-□□□□		1	1 unit	1CA	123.000
	3200	3200			3WL1232-4□□46-□□□□		1	1 unit	1CA	136.000
III	4000	4000	100		3WL1340-4□□46-□□□□		1	1 unit	1CA	190.000
	5000	5000			3WL1350-4□□46-□□□□		1	1 unit	1CA	190.000

Options					Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**			**None**
Electronic Trip Units	**Versions without ground-fault protection**				
	ETU15B: Protection functions LI[6]	**BB**			✓
	ETU25B: Protection functions LSI	**CB**			✓
	ETU45B: Protection functions LSIN[4]	**EB**			✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**			✓
	ETU76B: Protection functions LSIN[4] with graphics display	**NB**			✓
	Versions with ground-fault protection				
	ETU27B: Protection functions LSING[4]	**DG**			✓
	ETU45B: Protection functions LSING[4)5)]	**EG**			✓
	ETU45B: Protection functions LSING[4)5)] with 4-line display	**FG**			✓
	ETU76B: Protection functions LSING[4)5)] with graphics display	**NG**			✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO			**1AA2**	**None**
	For further Article No. supplements, see page 1/44				

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

*** You can order this quantity or a multiple thereof.**

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4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 85/100 kA at 500 V, high breaking capacity H (H) — Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
With guide frames, vertical main circuit connection										
I	630	630	85		3WL1106-4□□47-□□□□		1	1 unit	1CA	84.000
	800	800			3WL1108-4□□47-□□□□		1	1 unit	1CA	84.000
	1000	1000			3WL1110-4□□47-□□□□		1	1 unit	1CA	84.000
	1250	1250			3WL1112-4□□47-□□□□		1	1 unit	1CA	84.000
	1600	1600			3WL1116-4□□47-□□□□		1	1 unit	1CA	84.000
	2000	2000			3WL1120-4□□47-□□□□		1	1 unit	1CA	84.000
II	800	800	100		3WL1208-4□□47-□□□□		1	1 unit	1CA	109.000
	1000	1000			3WL1210-4□□47-□□□□		1	1 unit	1CA	109.000
	1250	1250			3WL1212-4□□47-□□□□		1	1 unit	1CA	109.000
	1600	1600			3WL1216-4□□47-□□□□		1	1 unit	1CA	109.000
	2000	2000			3WL1220-4□□47-□□□□		1	1 unit	1CA	109.000
	2500	2500			3WL1225-4□□47-□□□□		1	1 unit	1CA	123.000
	3200	3200			3WL1232-4□□47-□□□□		1	1 unit	1CA	136.000
	4000	4000			3WL1240-4□□47-□□□□		1	1 unit	1CA	146.000
III	4000	4000	100		3WL1340-4□□47-□□□□		1	1 unit	1CA	190.000
	5000	5000			3WL1350-4□□47-□□□□		1	1 unit	1CA	190.000
	6300	6300			3WL1363-4□□47-□□□□		1	1 unit	1CA	227.000
With guide frames, connecting flanges										
I	630	630	85		3WL1106-4□□48-□□□□		1	1 unit	1CA	84.000
	800	800			3WL1108-4□□48-□□□□		1	1 unit	1CA	84.000
	1000	1000			3WL1110-4□□48-□□□□		1	1 unit	1CA	84.000
	1250	1250			3WL1112-4□□48-□□□□		1	1 unit	1CA	84.000
	1600	1600			3WL1116-4□□48-□□□□		1	1 unit	1CA	84.000
	2000	2000			3WL1120-4□□48-□□□□		1	1 unit	1CA	84.000
II	800	800	100		3WL1208-4□□48-□□□□		1	1 unit	1CA	109.000
	1000	1000			3WL1210-4□□48-□□□□		1	1 unit	1CA	109.000
	1250	1250			3WL1212-4□□48-□□□□		1	1 unit	1CA	109.000
	1600	1600			3WL1216-4□□48-□□□□		1	1 unit	1CA	109.000
	2000	2000			3WL1220-4□□48-□□□□		1	1 unit	1CA	109.000
	2500	2500			3WL1225-4□□48-□□□□		1	1 unit	1CA	123.000
	3200	3200			3WL1232-4□□48-□□□□		1	1 unit	1CA	136.000
III	4000	4000	100		3WL1340-4□□48-□□□□		1	1 unit	1CA	190.000

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU15B: Protection functions LI[6]	**BB**		✓
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU76B: Protection functions LSIN[4] with graphics display	**NB**		✓
	Versions with ground-fault protection			
	ETU27B: Protection functions LSING[4]	**DG**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
	ETU76B: Protection functions LSING[4][5] with graphics display	**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

6) ETU15B cannot be used with 3WL1 circuit breakers, size III.

* You can order this quantity or a multiple thereof.

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Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 130/150 kA at 500 V, very high breaking capacity C Ⓒ Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Without guide frames[2] (for guide frames, see pages 1/52 to 1/57)										
II	1600	1600	130		3WL1216-5□□45-□□□□		1	1 unit	1CA	83.000
	2000	2000			3WL1220-5□□45-□□□□		1	1 unit	1CA	83.000
	2500	2500			3WL1225-5□□45-□□□□		1	1 unit	1CA	83.000
	3200	3200			3WL1232-5□□45-□□□□		1	1 unit	1CA	83.000
III	4000	4000	130		3WL1340-5□□45-□□□□		1	1 unit	1CA	115.000
	5000	5000			3WL1350-5□□45-□□□□		1	1 unit	1CA	106.000
	6300	6300			3WL1363-5□□45-□□□□		1	1 unit	1CA	108.000
With guide frames, horizontal main circuit connection										
II	1600	1600	130		3WL1216-5□□46-□□□□		1	1 unit	1CA	148.000
	2000	2000			3WL1220-5□□46-□□□□		1	1 unit	1CA	148.000
	2500	2500			3WL1225-5□□46-□□□□		1	1 unit	1CA	148.000
	3200	3200			3WL1232-5□□46-□□□□		1	1 unit	1CA	148.000
III	4000	4000	130		3WL1340-5□□46-□□□□		1	1 unit	1CA	190.000
	5000	5000			3WL1350-5□□46-□□□□		1	1 unit	1CA	190.000
With guide frames, vertical main circuit connection										
II	1600	1600	130		3WL1216-5□□47-□□□□		1	1 unit	1CA	148.000
	2000	2000			3WL1220-5□□47-□□□□		1	1 unit	1CA	148.000
	2500	2500			3WL1225-5□□47-□□□□		1	1 unit	1CA	148.000
	3200	3200			3WL1232-5□□47-□□□□		1	1 unit	1CA	148.000
III	4000	4000	130		3WL1340-5□□47-□□□□		1	1 unit	1CA	190.000
	5000	5000			3WL1350-5□□47-□□□□		1	1 unit	1CA	190.000
	6300	6300			3WL1363-5□□47-□□□□		1	1 unit	1CA	227.000

Options					Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units		**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**				
	ETU15B: Protection functions LI[4]		**BB**		✓
	ETU25B: Protection functions LSI		**CB**		✓
	ETU45B: Protection functions LSIN[5]		**EB**		✓
	ETU45B: Protection functions LSIN[5] with 4-line display		**FB**		✓
	ETU76B: Protection functions LSIN[5] with graphics display		**NB**		✓
	Versions with ground-fault protection				
	ETU27B: Protection functions LSING[5]		**DG**		✓
	ETU45B: Protection functions LSING[5][6]		**EG**		✓
	ETU45B: Protection functions LSING[5][6] with 4-line display		**FG**		✓
	ETU76B: Protection functions LSING[5][6] with graphics display		**NG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO			**1AA2**	**None**
	For further Article No. supplements, see page 1/44				

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code, see page 1/45.

2) Z options which are installed on the guide frame are not available.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see page 1/13.

4) ETU15B cannot be used with 3WL1 circuit breakers, size III.

5) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/58. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/47.

6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/58.

*** You can order this quantity or a multiple thereof.**

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Options

Selection and ordering data

				Article No. supplement 3WL1...-.....- □□□□	Additional price
Operating mechanisms					
Manual operating mechanism with mechanical closing				1	**None**
Manual operating mechanism with mechanical and electrical closing, closing coil suitable for uninterrupted duty, 100 % OP					
50/60 Hz V AC	V DC				
110	110 ... 125			2	✓
230	220			3	✓
Manual/motorized operating mechanism with mechanical and electrical closing, closing coil suitable for uninterrupted duty, 100 % OP					
Motor		Closing solenoid			
50/60 Hz V AC	V DC	50/60 Hz V AC	V DC		
208 ... 240	220 ... 250	230	220	4	✓
110 ... 127	110 ... 125	110	110 ... 125	5	✓
--	24	--	24	6	✓
Note					
To order different voltages for motorized operating mechanism and closing solenoid or closing coil for synchronization purposes: "1" at the 13th digit of the Article No. and order codes, see page 1/46.					
1st auxiliary release					
Type	Condition	U_s 50/60 Hz V AC	U_s V DC		
Without 1st auxiliary release	--	--	--	A	**None**
Shunt release suitable for uninterrupted duty, 100 % OP	Operating range 0.85 ... 1.1 × U_s	--	24	B	✓
		--	30	C	✓
		--	48	D	✓
		--	60	E	✓
		110 ... 127	110 ... 125	F	✓
		208 ... 240	220 ... 250	G	✓
2nd auxiliary release					
Type	Condition	U_s 50/60 Hz V AC	U_s V DC		
Without 2nd auxiliary release	--	--	--	A	**None**
Shunt release suitable for uninterrupted duty, 100 % OP	Operating range 0.85 ... 1.1 × U_s	--	24	B	✓
		--	30	C	✓
		--	48	D	✓
		--	60	E	✓
		110 ... 127	110 ... 125	F	✓
		208 ... 240	220 ... 250	G	✓
Undervoltage release, instantaneous (≤ 80 ms), short-delay (≤ 200 ms)	Operating range 0.85 ... 1.1 × U_s	--	24	J	✓
		--	30	K	✓
		--	48	L	✓
		--	60	U	✓
		110 ... 127	110 ... 125	M	✓
		208 ... 240	220 ... 250	N	✓
		380 ... 415	--	P	✓
Undervoltage release, can be delayed between 0.2 s and 3.2 s	Operating range 0.85 ... 1.1 × U_s	--	48	Q	✓
		110 ... 127	110 ... 125	R	✓
		208 ... 240	220 ... 250	S	✓
		380 ... 415	--	T	✓
Auxiliary switches					
1st auxiliary switch block					
2 NO + 2 NC				2	**None**
1st + 2nd auxiliary switch block					
4 NO + 4 NC				4	✓
6 NO + 2 NC				7	✓
5 NO + 3 NC				8	✓

✓ Additional price

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Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).			**3WL....-.....-....-Z** ☐☐☐ **+...+...**	Additional price	
Operating manuals					
Printed version	French/Italian		**A 1 1**		✓
	Spanish/Portuguese		**A 1 2**		✓
Rated voltage 1000 V AC and 690 V IT networks				Additional price 3-pole	Additional price 4-pole
Conditions	Size	Rated current I_n			
Only for circuit breakers with high breaking capacity H (8th digit of the Article No. is a "4"). Cannot be combined with rated voltage 1150 V AC order code "A15".	I[1)]	Up to 2000 A	**A 0 5**	✓	✓
	II[1)2)]	Up to 2000 A	**A 0 5**	✓	✓
		2500 A	**A 0 5**	✓	✓
		3200 A	**A 0 5**	✓	✓
	III[1)3)]	4000 A	**A 0 5**	✓	✓
		5000 A	**A 0 5**	✓	✓
		6300 A	**A 0 5**	✓	✓
Rated voltage 1150 V AC					
Conditions	Size	Rated current I_n			
Only for circuit breakers with high breaking capacity H (8th digit of the Article No. is a "4"). Cannot be combined with rated voltage 1000 V AC order code "A05".	II[2)]	Up to 2000 A	**A 1 5**	✓	✓
		2500 A	**A 1 5**	✓	✓
		3200 A	**A 1 5**	✓	✓
		4000 A	**A 1 5**	✓	✓
Note					
For size III select a circuit breaker with very high breaking capacity C, which can be used as standard up to 1150 V AC.					
Rated voltage 690 V AC (+ 20 %)					
Conditions	Size	Rated current I_n			
Only for 3WL11 circuit breakers, size I, with high breaking capacity H (8th digit of the Article No. is a "4").	I	Up to 2000 A	**A 1 6**	✓	✓
Tinned version of the customer's connections on the guide frame[4)5)]					
Conditions	Size				
Only for circuit breakers in withdrawable version with horizontal connection or flange connection. The normal delivery time increases to 15 work days.	I		**A 0 8**	✓	✓
	II		**A 0 8**	✓	✓
	III		**A 0 8**	✓	✓
Special packaging (moisture protection)				Additional price	
Special packaging for extended technical requirements					
Cardboard packaging with water-repellent coating on corrugated cardboard (moisture protection)			**A 6 1**	✓	
Rating plugs				Additional price	
Conditions	Size	Rated current I_nA			
Only one module is possible per circuit breaker (not in conjunction with Electronic Trip Unit ETU15B). As standard the Electronic Trip Units are equipped with a rating plug which is equal to the maximum rated current circuit breaker ($I_{n\,max}$). The rated current of the selected rating plug must be smaller than $I_{n\,max}$.	I, II	250	**B 0 2**	None	
		315	**B 0 3**	None	
		400	**B 0 4**	None	
		500	**B 0 5**	None	
		630	**B 0 6**	None	
		800	**B 0 8**	None	
		1000	**B 1 0**	None	
	I, II, III	1250	**B 1 2**	None	
		1600	**B 1 6**	None	
		2000	**B 2 0**	None	
	II, III	2500	**B 2 5**	None	
		3200	**B 3 2**	None	
		4000	**B 4 0**	None	
	III	5000	**B 5 0**	None	
		6300	**B 6 3**	None	

✓ Additional price

1) If ordering withdrawable circuit breaker and guide frame separately, specify order code "A05" for withdrawable circuit breaker and guide frame.

2) Not possible for circuit breakers with very high breaking capacity C.

3) Not necessary for circuit breakers with very high breaking capacity C as these circuit breakers can be used as standard up to 1150 V AC.

4) Front connections are tinned as standard.

5) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

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1

Options

Add "-Z" to the complete Article No. and indicate the appropriate order code(s).

3WL....-.....-....-Z ☐☐☐ +...+...

Description	Conditions	50/60 Hz V AC	V DC	Order code	Additional price
Indication/operator control elements, door sealing frames					
5-digit mechanical operating cycles counter[1]				C01	✓
Electrical ON button S10 in the operator panel[2] Possible only for circuit breakers with closing coil.	Button with sealing cap			C11	✓
	Key operation with lock CES			C12	✓
Storage status signaling switches[2] **(S21)**	1 NO contact			C20	✓
Ready-to-close signaling switches (S20)	1 NO contact			C22	✓
Signaling switches[2]	For the first auxiliary release (S22)			C26	✓
	For the second auxiliary release (S23)			C27	✓
Motor shutdown switch in the operator panel[3] **(S12)**				S25	✓
EMERGENCY-STOP pushbuttons	Mushroom pushbutton instead of the mechanical OFF pushbutton			S24	✓
Door sealing frames				T40	✓
Reclosing lockout and remote resets					
Automatic reset of the reclosing lockout				K01	✓
1st tripped signaling switch[2][4] **(S24)**	1 CO contact			K07	✓
2nd tripped signaling switch[2][4][8] **(S25)**	1 NO contact			K06	✓
Type		50/60 Hz V AC	V DC		
Remote reset solenoid for displays and reset buttons including automatic reset of the reclosing lockout		--	24	K10	✓
		--	48	K11	✓
		120	125	K12	✓
		208 ... 250	208 ... 250	K13	✓
Motorized operating mechanisms and closing/opening coils					
Type	Conditions	Motor 50/60 Hz V AC	V DC		
Motorized operating mechanism	Only possible if the 13th digit of the Article No. = "1"	--	24 ... 30	M01	✓
		--	48 ... 60	M03	✓
		110 ... 127	110 ... 125	M05	✓
		208 ... 240	220 ... 250	M06	✓
Type	Conditions	Activation coils 50/60 Hz V AC	V DC		
Closing coil suitable for uninterrupted duty, 100 % OP	Only possible if the 13th digit of the Article No. = "1"	--	24	M21	✓
		--	30	M22	✓
		--	48	M23	✓
		--	60	M24	✓
		110 ... 127	110 ... 125	M25	✓
		208 ... 240	220 ... 250	M26	✓
Type	Conditions	Activation coils 50/60 Hz V AC	V DC		
Closing coil[5] **not suitable for uninterrupted duty, 5 % OP, synchronizable**	Only possible if the 13th digit of the Article No. = "1"	--	24	M31	✓
		--	48	M33	✓
		110 ... 127	110 ... 125	M35	✓
		208 ... 240	220 ... 250	M36	✓
Type	Conditions	Activation coils 50/60 Hz V AC	V DC		
Opening coils (shunt release)[6][7]	Not suitable for uninterrupted duty, 5 % OP, synchronizable	--	24	M41	✓
		--	48	M43	✓
		110 ... 127	110 ... 125	M45	✓
		208 ... 240	220 ... 250	M46	✓

✓ Additional price

1) Only possible with motorized operating mechanism.
2) Not possible with communications interface option, order codes "F02" or "F12".
3) Only for breakers with motorized operating mechanism, not possible with order codes "C11", "C12".
4) Not available for non-automatic air circuit breakers.
5) Overexcited, i.e. operating time 50 ms (standard > 80 ms).
6) Only possible if the 14th position of the Article No. for the circuit breaker is "A", i.e. "without 1st auxiliary release".
7) Overexcited, i.e. operating time 50 ms (standard > 80 ms).
8) Only possible with option "K07".

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				Add "-Z" to the complete Article No. and indicate the appropriate order code(s).	3WL....-.....-....-Z □□□ +...+...	Additional price
Interlocks, covers, position signaling switches (for fixed-mounted version)						
Mutual mechanical interlockings (interlocking module with Bowden wire 2 m)	Fixed-mounted circuit breakers				S 5 5	✓
Interlocks, covers, position signaling switches (for withdrawable version)						
Mutual mechanical interlockings (interlocking module with Bowden wire 2 m)	Version					
	For withdrawable circuit breakers with guide frame				R 5 5	✓
	For guide frames				R 5 6	✓
	For withdrawable circuit breakers				R 5 7	✓
Arc chute covers Not available for - 1000 V version (order code "A05") - DC version - 4000 A size II - 1150 V version (order code "A15") - 130 kA version, size II - 150 kA version, size III	Number of poles	Size				
	3-pole	I			R 1 0	✓
		II			R 1 0	✓
		III			R 1 0	✓
	4-pole	I			R 1 0	✓
		II			R 1 0	✓
		III			R 1 0	✓
Shutters 2-part lockable with padlocks[1]	Number of poles	Size				
	3-pole	I			R 2 1	✓
		II			R 2 1	✓
		III			R 2 1	✓
	4-pole	I			R 2 1	✓
		II			R 2 1	✓
		III			R 2 1	✓
Position signaling switches for guide frames	Connected position	Test position	Disconnected position			
	1 CO	1 CO	1 CO		R 1 5	✓
	3 CO	2 CO	1 CO		R 1 6	✓
Communication and measurement functions						
Breaker status sensor (BSS)					F 0 1	✓
PROFIBUS-DP communications interface[2]	Including COM15 and breaker status sensor (BSS)				F 0 2	✓
MODBUS-RTU communications interface[2]	Including COM16 and breaker status sensor (BSS)				F 1 2	✓
Measurement function *Plus* (without PROFIBUS/MODBUS communications interface)[3]					F 0 5	✓
Overload and short-circuit protection for neutral conductors						
Internal current transformer for N conductor Only possible with 4-pole circuit breakers with ETU27B to ETU76B	Size					
	I				F 2 3	✓
	II				F 2 3	✓
	III				F 2 3	✓
EMC filters						
EMC filters • Common-mode interference suppressor filters (e.g. in IT networks, caused by frequency converters) • Insertion loss (asymmetric) in the range 40 kHz to 10 MHz >40 dB.					F 3 1	✓

✓ Additional price

1) Padlocks not included in scope of supply.

2) If ordering the withdrawable circuit breaker and guide frame separately, specify order code "F02" or "F12" for the withdrawable circuit breaker only.

3) Additional voltage transformers are required for connection of the *Plus* measurement function, see page 1/67.

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Options

		Add "-Z" to the complete Article No. and indicate the appropriate order code(s).	3WL....-.....-....-Z □□□ +...+...	Additional price
Locking devices (for fixed-mounted versions and withdrawable versions)				
Locking devices against unauthorized closing, in the operator panels The disconnector unit fulfills the requirements for main circuit breakers according to EN 60204-1	Version			
	Made by CES	S 0 1		✓
	Made by IKON	S 0 3		✓
	Assembly kit FORTRESS or Castell[1]	S 0 5		✓
	Assembly kit for padlocks[2]	S 0 7		✓
	Made by Ronis	S 0 8		✓
	Made by Profalux	S 0 9		✓
EMERGENCY-STOP pushbuttons	Mushroom pushbutton instead of the mechanical OFF pushbutton	S 2 4		✓
Locking devices for operating mechanism handles with padlock[2]		S 3 3		✓
Locking devices (for withdrawable version)				
Locking devices against unauthorized closing, for withdrawable circuit breakers The disconnector unit fulfills the requirements for main circuit breakers acc. to EN 60204-1, consisting of a lock in the cabinet door, active in the connected position, function is retained when circuit breaker is replaced. Not possible in combination with order codes "R81", "R85" or "R86".	Version			
	Made by CES	R 6 1		✓
	Made by Ronis	R 6 8		✓
	Made by Profalux	R 6 0		✓
Locking devices to prevent movement of the withdrawable circuit breakers Safety lock for mounting on the circuit breaker	Version			
	Made by CES	S 7 1		✓
	Made by Profalux	S 7 5		✓
	Made by Ronis	S 7 6		✓
Locking mechanisms (for fixed-mounted versions)				
Locking devices Not possible in combination with order codes "R81", "R85" or "R86".	To prevent opening of the cabinet door in ON position	S 3 0		✓
Locking devices (for withdrawable version)				
Locking devices Not possible in combination with order codes "R81", "R85" or "R86".	Version			
	To prevent opening of the cabinet door in connected position	R 3 0		✓
	To prevent activation when the cabinet door is open[3][5]	R 4 0		✓
	To prevent movement with the cabinet door open[4]	R 5 0		✓
Locking mechanism to prevent movement of the withdrawable circuit breakers in disconnected position, consisting of Bowden wire and lock in the cabinet door Not possible in combination with order codes "R30", "R50", "R61", "R68" or "R60".	Version			
	Made by CES	R 8 1		✓
	Made by Ronis	R 8 5		✓
	Made by Profalux	R 8 6		✓
Connection methods for auxiliary conductors (for fixed-mounted and withdrawable versions)				
Connections for screwless terminals (tension spring)	Version			
	Fixed-mounted	N 6 1		✓
	Withdrawable	P 6 1		✓

✓ Additional price

1) Locks must be ordered from the manufacturer

2) Padlock not included in the scope of supply

3) Not available in combination with R50

4) Not available in combination with R40

5) Combination with R81, R85 and R86 on request

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Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

3WL....-.....-....-Z
□□□ +...+...

For withdrawable circuit breakers with guide frames or for guide frames[1]							Additional price 3-pole	Additional price 4-pole
Note								
To select this connection method the 12th digit of the Article No. for the circuit breaker must be a "6".								
Connection methods for main connections	Size	Rated current I_n						
Top and bottom:[1] [2] accessible from front, single hole	I	Up to 1600 A	**P**	**0**	**0**		✓	✓
	II	Up to 2000 A	**P**	**0**	**0**		✓	✓
		Up to 2500 A	**P**	**0**	**0**		✓	✓
		Up to 3200 A	**P**	**0**	**0**		✓	✓
	III	Up to 4000 A	**P**	**0**	**0**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top and bottom:[1] accessible from front, double hole	I	Up to 2000 A	**P**	**0**	**1**		✓	✓
	II	Up to 2000 A	**P**	**0**	**1**		✓	✓
		Up to 2500 A	**P**	**0**	**1**		✓	✓
		Up to 3200 A	**P**	**0**	**1**		✓	✓
	III	Up to 4000 A	**P**	**0**	**1**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top:[1] [2] horizontal Bottom: accessible from front, single hole	I	Up to 1600 A	**P**	**0**	**7**		✓	✓
	II	Up to 2000 A	**P**	**0**	**7**		✓	✓
		Up to 2500 A	**P**	**0**	**7**		✓	✓
		Up to 3200 A	**P**	**0**	**7**		✓	✓
	III	Up to 4000 A	**P**	**0**	**7**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top: vertical Bottom: horizontal	I	Up to 2000 A	**P**	**1**	**8**		✓	✓
	II	Up to 2000 A	**P**	**1**	**8**		✓	✓
		Up to 2500 A	**P**	**1**	**8**		✓	✓
		Up to 3200 A	**P**	**1**	**8**		✓	✓
	III	Up to 4000 A	**P**	**1**	**8**		✓	✓
		Up to 5000 A	**P**	**1**	**8**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top:[1] connection flange Bottom: horizontal	I	Up to 2000 A	**P**	**1**	**9**		✓	✓
	II	Up to 2000 A	**P**	**1**	**9**		✓	✓
		Up to 2500 A	**P**	**1**	**9**		✓	✓
		Up to 3200 A	**P**	**1**	**9**		✓	✓
	III	Up to 4000 A	**P**	**1**	**9**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top: horizontal Bottom: vertical	I	Up to 2000 A	**P**	**2**	**3**		✓	✓
	II	Up to 2000 A	**P**	**2**	**3**		✓	✓
		Up to 2500 A	**P**	**2**	**3**		✓	✓
		Up to 3200 A	**P**	**2**	**3**		✓	✓
	III	Up to 4000 A	**P**	**2**	**3**		✓	✓
		Up to 5000 A	**P**	**2**	**3**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top:[1] horizontal Bottom: connecting flange	I	Up to 2000 A	**P**	**2**	**8**		✓	✓
	II	Up to 2000 A	**P**	**2**	**8**		✓	✓
		Up to 2500 A	**P**	**2**	**8**		✓	✓
		Up to 3200 A	**P**	**2**	**8**		✓	✓
	III	Up to 4000 A	**P**	**2**	**8**		✓	✓

✓ Additional price

1) Cannot be used for size II and III circuit breakers with very high breaking capacity C

2) Not for 3WL1 size I with high breaking capacity H

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Options

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

3WL....-.....-....-Z
□□□ **+...+...**

Additional price

For fixed-mounted circuit breakers						Additional price 3-pole	Additional price 4-pole
Note							
To select this connection method, the 12th digit of the Article No. for the circuit breaker must be a "2".							
Connection methods for main connections	Size	Rated current I_n					
Top:[1] horizontal Bottom: accessible from front, single hole	I	Up to 1600 A	**N**	**1**	**1**	✓	✓
	II	Up to 2000 A	**N**	**1**	**1**	✓	✓
		Up to 2500 A	**N**	**1**	**1**	✓	✓
		Up to 3200 A	**N**	**1**	**1**	✓	✓
	III[2]	Up to 4000 A	**N**	**1**	**1**	✓	✓
Connection methods for main connections	Size	Rated current I_n					
Top: vertical Bottom: horizontal	I	Up to 1600 A	**N**	**2**	**0**	✓	✓
		Up to 2000 A	**N**	**2**	**0**	✓	✓
	II	Up to 2000 A	**N**	**2**	**0**	✓	✓
		Up to 2500 A	**N**	**2**	**0**	✓	✓
		Up to 3200 A	**N**	**2**	**0**	✓	✓
	III	Up to 4000 A	**N**	**2**	**0**	✓	✓
		Up to 5000 A	**N**	**2**	**0**	✓	✓
Connection methods for main connections	Size	Rated current I_n					
Top: horizontal Bottom: vertical	I	Up to 1600 A	**N**	**2**	**4**	✓	✓
		Up to 2000 A	**N**	**2**	**4**	✓	✓
	II	Up to 2000 A	**N**	**2**	**4**	✓	✓
		Up to 2500 A	**N**	**2**	**4**	✓	✓
		Up to 3200 A	**N**	**2**	**4**	✓	✓
	III	Up to 4000 A	**N**	**2**	**4**	✓	✓
		Up to 5000 A	**N**	**2**	**4**	✓	✓

✓ Additional price

[1] Not for 3WL1 size I with high breaking capacity H and circuit breakers with very high breaking capacity C.

[2] Not for size III with very high breaking capacity C

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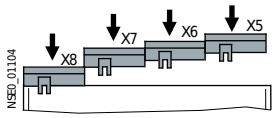
Overview

Determination of the number of auxiliary supply connectors required

This selection is only required if the guide frame is ordered under a separate Article No.



The required number of auxiliary supply connectors depends on the:
- Operating mechanism type
- Electronic Trip Unit with/without current transformer
- Type and number of auxiliary releases
- Number of auxiliary switches
- COM15/COM16 communication interface

		Number of auxiliary supply connectors	Terminal
a	**The first auxiliary supply connector X6 is always required.**	**1**	X6
b	**Operating mechanisms**		
b1	Manual operating mechanism with stored-energy feature with mechanical closing	**0**	
b2	Manual operating mechanism with stored-energy feature with mechanical and electrical closing	**0**	X6
b3	Manual/motorized operating mechanism with stored-energy feature with mechanical and electrical closing	**+1**	X5
c	**Electronic Trip Units**		
c1	Electronic Trip Units ETU15B, ETU25B, ETU27B	**0**	
c2	Electronic Trip Units ETU45B, ETU76B (internal Cubicle**BUS**)	**+1**	X8
	Connections for external current transformers for overload protection in the N conductor and ground-fault protection		
c3	Current transformer installed in the N conductor (required with 3-pole circuit breakers if c2 is not selected)	**+1**	X8
c4	Current transformer in the neutral point of the transformer (required if c2 or c3 is not selected)	**+1**	X8
d	**Auxiliary releases**		
d1	With/without 1st auxiliary release (shunt release F1)	**0**	X6
d2	2nd auxiliary release (shunt release F2, undervoltage release F3, delayable undervoltage release F4)	**+1**	X5
e	**Auxiliary switch blocks**		
e1	1st auxiliary switch block 2 NO + 2 NC	**0**	X6
e2	1st and 2nd auxiliary switch block 4 NO + 4 NC or 6 NO + 2 NC or 5 NO + 3 NC (required if b3 or d2 is not selected)	**+1**	X5
f	**Communication modules**		
f1	Without communication module COM15/COM16	**0**	
f2	With communication module COM15/COM16 – occupies the entire terminal strip X7, making the following options no longer possible: • Tripped signal switch S24 • Stored-energy status indication S21 • Electrical ON button S10 • Signaling switch on first and second auxiliary release S22 + S23	**+1**	X7
g	**Optional signals/accessories**		
g1	Tripped signaling switch S24 (only when f2 not selected)	**+1**	X7
g2	Stored-energy status indicator S21 (only when f2 not selected, required if g1 not selected)	**+1**	X7
g3	Electric ON button S10 (only when f2 not selected, required if g1 or g2 not selected)	**+1**	X7
g4	Signaling switch at first auxiliary release S22 (only when f2 not selected, required if g1, g2 or g3 not selected)	**+1**	X7
g5	Signaling switch at second auxiliary release S23 (only when f2 not selected, required if g1, g2, g3 or g4 not selected)	**+1**	X7
g6	Switch on ready-to-close signaling switch S20	**0**	X6
g7	Motor shutdown switch S12 (only if motorized operating mechanism selected)	**0**	X5
g8	Remote reset solenoid F7 (required if c2 not selected)	**+1**	X8
h	**Total number of auxiliary supply connectors**	**(max. 4)**	

For ordering the auxiliary supply connectors, see under "Accessories and spare parts, Guide frames for AC circuit breakers/ non-automatic air circuit breakers", page 1/52 to page 1/57 and under "Accessories and spare parts, Auxiliary conductor connections, Auxiliary supply connectors", page 1/63.

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Selection and ordering data

Guide frames for AC circuit breakers/non-automatic air circuit breakers

Size	Max. rated circuit breaker current $I_{n\ max.}$	Breaking capacity $I_{cu} = I_{cs}$	DT	Guide frames for 3-pole circuit breakers/ non-automatic air circuit breakers Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	kA							kg
Front main circuit connection, single hole									
I	1000	... 66		3WL9211-1AA□□-□□A1		1	1 unit	1CA	25.000
	1600	... 66		3WL9211-2AA□□-□□A1		1	1 unit	1CA	25.000
II	2000	... 100		3WL9212-3AA□□-□□A1		1	1 unit	1CA	31.000
	2500	... 100		3WL9212-4AA□□-□□A1		1	1 unit	1CA	39.000
	3200	... 100		3WL9212-5AA□□-□□A1		1	1 unit	1CA	45.000
III	4000	... 100		3WL9213-6AA□□-□□A1		1	1 unit	1CA	60.000
Front main circuit connection, double hole									
I	1000	... 66		3WL9211-1AB□□-□□A1		1	1 unit	1CA	25.000
	1600	... 66		3WL9211-2AB□□-□□A1		1	1 unit	1CA	25.000
	2000 [1]	... 85		3WL9211-3AB□□-□□A1		1	1 unit	1CA	25.000
II	2000	... 100		3WL9212-3AB□□-□□A1		1	1 unit	1CA	31.000
	2500	... 100		3WL9212-4AB□□-□□A1		1	1 unit	1CA	39.000
	3200	... 100		3WL9212-5AB□□-□□A1		1	1 unit	1CA	45.000
III	4000	... 100		3WL9213-6AB□□-□□A1		1	1 unit	1CA	60.000
Horizontal main circuit connection									
I	1000	... 66		3WL9211-1AC□□-□□A1		1	1 unit	1CA	25.000
	1600	... 66		3WL9211-2AC□□-□□A1		1	1 unit	1CA	25.000
	2000 [1]	... 85		3WL9211-3AC□□-□□A1		1	1 unit	1CA	25.000
II	2000	... 100		3WL9212-3AC□□-□□A1		1	1 unit	1CA	31.000
	2500	... 100		3WL9212-4AC□□-□□A1		1	1 unit	1CA	39.000
	3200	... 100		3WL9212-5AC□□-□□A1		1	1 unit	1CA	45.000
	3200	... 130		3WL9212-5AC□□-□□C1		1	1 unit	1CA	54.000
III	4000	... 100		3WL9213-6AC□□-□□A1		1	1 unit	1CA	60.000
	5000	... 100		3WL9213-7AC□□-□□A1		1	1 unit	1CA	60.000
	4000	... 150		3WL9213-6AC□□-□□C1		1	1 unit	1CA	63.000
	5000	... 150		3WL9213-7AC□□-□□C1		1	1 unit	1CA	63.000

Options							Additional price
Number of auxiliary supply connectors	None				**0**		**None**
	1 connector				**1**		✓
	2 connectors				**2**		✓
	3 connectors				**3**		✓
	4 connectors				**4**		✓
Note							
For required number of auxiliary supply connectors, see table on page 1/51.							
Type of auxiliary circuit connections	None				**0**		**None**
	With screw connection (SI-GUT, standard)				**1**		✓
	With screwless connection method (tension spring)				**2**		✓
Position signaling switches	None					**0**	**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO					**1**	✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO					**2**	✓
Shutters	None						**A** **None**
	With shutter, 2-part, lockable	Size I					**B** ✓
		Size II					**B** ✓
		Size III					**B** ✓

✓ Additional price

[1] For 3WL1 air circuit breakers size I from 630 A to 2000 A with high breaking capacity H and 3WL1 air circuit breakers size I with rated current I_n = 2000 A.

* You can order this quantity or a multiple thereof.

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	Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).	**3WL921.-.....-....-Z** □ □ □			Additional price
Rated voltage 1000 V AC and 690 V IT networks					
Size I (breaking capacity H)		**A**	**0**	**5**	✓
Size II, except breaking capacity C and 4000 A (breaking capacity H)		**A**	**0**	**5**	✓
Size III, not necessary with circuit breakers with very high breaking capacity		**A**	**0**	**5**	✓
Rated voltage 1150 V AC					
Size II, except breaking capacity C and 4000 A (breaking capacity H)		**A**	**1**	**5**	✓
Rated voltage 690 V AC (+ 20 %)					
Size I (breaking capacity H)		**A**	**1**	**6**	✓
Tinned version of the customer's connections on guide frame[1)2)] **Only for guide frames with horizontal connection or flange connection**					
Size I		**A**	**0**	**8**	✓
Size II		**A**	**0**	**8**	✓
Size III		**A**	**0**	**8**	✓
Notes					
• For main circuit connection vertical and main circuit connecting flange, see the following page. • All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see page 1/45 to page 1/50.					

✓ Additional price

1) Front connections are tinned as standard.

2) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

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Accessories and spare parts

Size	Max. rated circuit breaker current $I_{n\ max.}$	Breaking capacity $I_{cu} = I_{cs}$	DT	Guide frames for 3-pole circuit breakers/ non-automatic air circuit breakers Article No.: www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	kA							kg
Vertical main circuit connection									
I	1000	... 66		3WL9211-1AD□□-□□A1		1	1 unit	1CA	25.000
	1600	... 66		3WL9211-2AD□□-□□A1		1	1 unit	1CA	25.000
	2000[1)]	... 85		3WL9211-3AD□□-□□A1		1	1 unit	1CA	25.000
II	2000	... 100		3WL9212-3AD□□-□□A1		1	1 unit	1CA	31.000
	2500	... 100		3WL9212-4AD□□-□□A1		1	1 unit	1CA	39.000
	3200	... 100		3WL9212-5AD□□-□□A1		1	1 unit	1CA	45.000
	3200	... 130		3WL9212-5AD□□-□□C1		1	1 unit	1CA	54.000
NEW	4000	... 100		3WL9212-6AD□□-□□A1		1	1 unit	1CA	52.000
III	4000	... 100		3WL9213-6AD□□-□□A1		1	1 unit	1CA	60.000
	5000	... 100		3WL9213-7AD□□-□□A1		1	1 unit	1CA	60.000
	6300	... 100		3WL9213-8AD□□-□□A1		1	1 unit	1CA	70.000
	4000	... 150		3WL9213-6AD□□-□□C1		1	1 unit	1CA	63.000
	5000	... 150		3WL9213-7AD□□-□□C1		1	1 unit	1CA	63.000
	6300	... 150		3WL9213-8AD□□-□□C1		1	1 unit	1CA	74.000
Main circuit connection connecting flanges									
I	1000	... 66		3WL9211-1AE□□-□□A1		1	1 unit	1CA	25.000
	1600	... 66		3WL9211-2AE□□-□□A1		1	1 unit	1CA	25.000
	2000[1)]	... 85		3WL9211-3AE□□-□□A1		1	1 unit	1CA	25.000
II	2000	... 100		3WL9212-3AE□□-□□A1		1	1 unit	1CA	31.000
	2500	... 100		3WL9212-4AE□□-□□A1		1	1 unit	1CA	39.000
	3200	... 100		3WL9212-5AE□□-□□A1		1	1 unit	1CA	45.000
III	4000	... 100		3WL9213-6AE□□-□□A1		1	1 unit	1CA	60.000

Options							Additional price
Number of auxiliary supply connectors	None		0				**None**
	1 connector		1				✓
	2 connectors		2				✓
	3 connectors		3				✓
	4 connectors		4				✓
Note							
For required number of auxiliary supply connectors, see table on page 1/51.							
Type of auxiliary circuit connections	None			0			**None**
	With screw connection (SIGUT, standard)			1			✓
	With screwless connection method (tension spring)			2			✓
Position signaling switches	None				0		**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO				1		✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO				2		✓
Shutters	None					A	**None**
	With shutter, 2-part, lockable	Size I				B	✓
		Size II				B	✓
		Size III				B	✓

	Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).	**3WL921.-.....-....-Z** □ □ □	Additional price
Rated voltage 1000 V AC and 690 V IT networks			
Size I (breaking capacity H)		**A 0 5**	✓
Size II, except breaking capacity C and 4000 A (breaking capacity H)		**A 0 5**	✓
Size III, not necessary with circuit breakers with very high breaking capacity		**A 0 5**	✓
Rated voltage 1150 V AC			
Size II, except breaking capacity C and 4000 A (breaking capacity H)		**A 1 5**	✓
Rated voltage 690 V AC (+ 20 %)			
Size I (breaking capacity H)		**A 1 6**	✓
Tinned version of the customer's connections on guide frame[1)2)] Only for guide frames with horizontal connection or flange connection			
Size I		**A 0 8**	✓
Size II		**A 0 8**	✓
Size III		**A 0 8**	✓
Notes			
• For main circuit connection vertical and main circuit connecting flange, see the following page. • All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see page 1/45 to page 1/50.			

✓ Additional price

1) For 3WL1 circuit breakers size I from 630 A to 2000 A with high breaking capacity H and 3WL1 circuit breakers size I with rated current I_n = 2000 A.

2) Front connections are tinned as standard.

3) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

* You can order this quantity or a multiple thereof.

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Size	Max. rated circuit breaker current $I_{n\,max.}$	Breaking capacity $I_{cu} = I_{cs}$	DT	**Guide frames for 4-pole circuit breakers/ non-automatic air circuit breakers** Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	kA							kg
Front main circuit connection, single hole									
I	1000	... 66		3WL9211-1BA□□-□□A1		1	1 unit	1CA	30.000
	1600	... 66		3WL9211-2BA□□-□□A1		1	1 unit	1CA	30.000
II	2000	... 100		3WL9212-3BA□□-□□A1		1	1 unit	1CA	37.000
	2500	... 100		3WL9212-4BA□□-□□A1		1	1 unit	1CA	47.000
	3200	... 100		3WL9212-5BA□□-□□A1		1	1 unit	1CA	54.000
III	4000	... 100		3WL9213-6BA□□-□□A1		1	1 unit	1CA	84.000
Front main circuit connection, double hole									
I	1000	... 66		3WL9211-1BB□□-□□A1		1	1 unit	1CA	30.000
	1600	... 66		3WL9211-2BB□□-□□A1		1	1 unit	1CA	30.000
	2000[1]	... 85		3WL9211-3BB□□-□□A1		1	1 unit	1CA	30.000
II	2000	... 100		3WL9212-3BB□□-□□A1		1	1 unit	1CA	37.000
	2500	... 100		3WL9212-4BB□□-□□A1		1	1 unit	1CA	47.000
	3200	... 100		3WL9212-5BB□□-□□A1		1	1 unit	1CA	54.000
III	4000	... 100		3WL9213-6BB□□-□□A1		1	1 unit	1CA	84.000
Horizontal main circuit connection									
I	1000	... 66		3WL9211-1BC□□-□□A1		1	1 unit	1CA	30.000
	1600	... 66		3WL9211-2BC□□-□□A1		1	1 unit	1CA	30.000
	2000[1]	... 85		3WL9211-3BC□□-□□A1		1	1 unit	1CA	30.000
II	2000	... 100		3WL9212-3BC□□-□□A1		1	1 unit	1CA	37.000
	2500	... 100		3WL9212-4BC□□-□□A1		1	1 unit	1CA	47.000
	3200	... 100		3WL9212-5BC□□-□□A1		1	1 unit	1CA	54.000
	3200	... 130		3WL9212-5BC□□-□□C1		1	1 unit	1CA	65.000
III	4000	... 100		3WL9213-6BC□□-□□A1		1	1 unit	1CA	84.000
	5000	... 100		3WL9213-7BC□□-□□A1		1	1 unit	1CA	84.000
	4000	... 130		3WL9213-6BC□□-□□C1		1	1 unit	1CA	87.000
	5000	... 130		3WL9213-7BC□□-□□C1		1	1 unit	1CA	87.000

Options				Additional price
Number of auxiliary supply connectors	None		**0**	**None**
	1 connector		**1**	✓
	2 connectors		**2**	✓
	3 connectors		**3**	✓
	4 connectors		**4**	✓
Note				
For required number of auxiliary supply connectors, see table on page 1/51.				
Type of auxiliary circuit connections	None		**0**	**None**
	With screw connection (SI-GUT, standard)		**1**	✓
	With screwless connection method (tension spring)		**2**	✓
Position signaling switches	None		**0**	**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO		**1**	✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO		**2**	✓
Shutters	None		**A**	**None**
	With shutter, 2-part, lockable	Size I	**B**	✓
		Size II	**B**	✓
		Size III	**B**	✓

✓ Additional price

[1] For 3WL1 circuit breakers size I from 630 A to 2000 A with high breaking capacity H and 3WL1 circuit breakers size I with rated current I_n = 2000 A.

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Accessories and spare parts

	Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).	**3WL921.-.....-....-Z** □ □ □	Additional price
Rated voltage 1000 V AC and 690 V IT networks			
Size I (breaking capacity H)		**A 0 5**	✓
Size II, except breaking capacity C and 4000 A (breaking capacity H)		**A 0 5**	✓
Size III, not necessary with circuit breakers with very high breaking capacity		**A 0 5**	✓
Rated voltage 1150 V AC			
Size II, except breaking capacity C and 4000 A (breaking capacity H)		**A 1 5**	✓
Rated voltage 690 V AC (+ 20 %)			
Size I (breaking capacity H)		**A 1 6**	✓
Tinned version of the customer's connections on guide frame[1)2)] Only for guide frames with horizontal connection or flange connection			
Size I		**A 0 8**	✓
Size II		**A 0 8**	✓
Size III		**A 0 8**	✓
Notes			
• For main circuit connection vertical and main circuit connecting flange, see the following page.			
• All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see page 1/45 to page 1/50.			

✓ Additional price

1) Front connections are tinned as standard.

2) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

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Size	Max. rated circuit breaker current $I_{n\ max.}$	Breaking capacity $I_{cu} = I_{cs}$	DT	**Guide frames for 4-pole circuit breakers/ non-automatic air circuit breakers** Article No.: www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	kA							kg
Vertical main circuit connection									
I	1000	... 66		3WL9211-1BD□□-□□A1		1	1 unit	1CA	30.000
	1600	... 66		3WL9211-2BD□□-□□A1		1	1 unit	1CA	30.000
	2000[1]	... 85		3WL9211-3BD□□-□□A1		1	1 unit	1CA	30.000
II	2000	... 100		3WL9212-3BD□□-□□A1		1	1 unit	1CA	37.000
	2500	... 100		3WL9212-4BD□□-□□A1		1	1 unit	1CA	47.000
	3200	... 100		3WL9212-5BD□□-□□A1		1	1 unit	1CA	54.000
	3200	... 130		3WL9212-5BD□□-□□C1		1	1 unit	1CA	65.000
NEW	4000	... 100		3WL9212-6BD□□-□□A1		1	1 unit	1CA	62.000
III	4000	... 100		3WL9213-6BD□□-□□A1		1	1 unit	1CA	84.000
	5000	... 100		3WL9213-7BD□□-□□A1		1	1 unit	1CA	84.000
	6300	... 100		3WL9213-8BD□□-□□A1		1	1 unit	1CA	119.000
	4000	... 130		3WL9213-6BD□□-□□C1		1	1 unit	1CA	88.000
	5000	... 130		3WL9213-7BD□□-□□C1		1	1 unit	1CA	88.000
	6300	... 130		3WL9213-8BD□□-□□C1		1	1 unit	1CA	124.000
Main circuit connection connecting flanges									
I	1000	... 66		3WL9211-1BE□□-□□A1		1	1 unit	1CA	30.000
	1600	... 66		3WL9211-2BE□□-□□A1		1	1 unit	1CA	30.000
	2000[1]	... 85		3WL9211-3BE□□-□□A1		1	1 unit	1CA	30.000
II	2000	... 100		3WL9212-3BE□□-□□A1		1	1 unit	1CA	37.000
	2500	... 100		3WL9212-4BE□□-□□A1		1	1 unit	1CA	47.000
	3200	... 100		3WL9212-5BE□□-□□A1		1	1 unit	1CA	54.000
III	4000	... 100		3WL9213-6BE□□-□□A1		1	1 unit	1CA	84.000

Options							Additional price
Number of auxiliary supply connectors	None		**0**				**None**
	1 connector		**1**				✓
	2 connectors		**2**				✓
	3 connectors		**3**				✓
	4 connectors		**4**				✓
Note							
For required number of auxiliary supply connectors, see table on page 1/51.							
Type of auxiliary circuit connections	None			**0**			**None**
	With screw connection (SIGUT, standard)			**1**			✓
	With screwless connection method (tension spring)			**2**			✓
Position signaling switches	None				**0**		**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO				**1**		✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO				**2**		✓
Shutters	None					**A**	**None**
	With shutter, 2-part, lockable	Size I				**B**	✓
		Size II				**B**	✓
		Size III				**B**	✓

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).	**3WL921.-.....-....-Z** □ □ □	Additional price
Rated voltage 1000 V AC and 690 V IT networks		
Size I (breaking capacity H)	**A 0 5**	✓
Size II, except breaking capacity C and 4000 A (breaking capacity H)	**A 0 5**	✓
Size III, not necessary with circuit breakers with very high breaking capacity	**A 0 5**	✓
Rated voltage 1150 V AC		
Size II, except breaking capacity C and 4000 A (breaking capacity H)	**A 1 5**	✓
Rated voltage 690 V AC (+ 20 %)		
Size I (breaking capacity H)	**A 1 6**	✓
Tinned version of the customer's connections on guide frame[1)2)] Only for guide frames with horizontal connection or flange connection		
Size I	**A 0 8**	✓
Size II	**A 0 8**	✓
Size III	**A 0 8**	✓
Notes		
• For main circuit connection vertical and main circuit connecting flange, see the following page. • All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see page 1/45 to page 1/50.		

✓ Additional price

1) For 3WL1 circuit breakers size I from 630 A to 2000 A with high breaking capacity H and 3WL1 circuit breakers size I with rated current I_n = 2000 A.

2) Front connections are tinned as standard.

3) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

*** You can order this quantity or a multiple thereof.**

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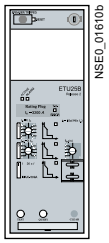
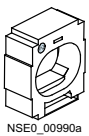
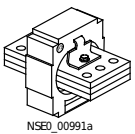
Accessories and spare parts

	Designation			DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
 NSE0_01610b 3WL931.-.AA.0-0AA1	**Protective devices with device holder and optional measurement function**[1]									
	Type	With protection function	Measuring function							
	ETU15B	LI	None		3WL9311-5AA00-0AA2		1	1 unit	1CA	0.720
	ETU25B	LSI	None		3WL9312-5AA00-0AA2		1	1 unit	1CA	0.720
	ETU27B	LSING	None		3WL9312-7AA00-0AA2		1	1 unit	1CA	0.720
	ETU45B (without display)	LSIN(G)	None		3WL9314-5AA00-0AA2		1	1 unit	1CA	0.720
			With measurement function *Plus*		3WL9314-5AA20-0AA2		1	1 unit	1CA	0.720
	ETU76B	LSIN(G)	None		3WL9317-6AA00-0AA2		1	1 unit	1CA	0.720
			With measurement function *Plus*		3WL9317-6AA20-0AA2		1	1 unit	1CA	0.720
NSE0_00992b 3WL9111-0AA64-0AA0	**Rating plugs**[2]									
	Size		Rated current I_n (A)							
	I, II		250		3WL9111-0AA51-0AA0		1	1 unit	1CA	0.010
			315		3WL9111-0AA52-0AA0		1	1 unit	1CA	0.010
			400		3WL9111-0AA53-0AA0		1	1 unit	1CA	0.010
			500		3WL9111-0AA54-0AA0		1	1 unit	1CA	0.010
			630		3WL9111-0AA55-0AA0		1	1 unit	1CA	0.010
			800		3WL9111-0AA56-0AA0		1	1 unit	1CA	0.010
			1000		3WL9111-0AA57-0AA0		1	1 unit	1CA	0.010
	I, II, III		1250		3WL9111-0AA58-0AA0		1	1 unit	1CA	0.010
			1600		3WL9111-0AA61-0AA0		1	1 unit	1CA	0.010
			2000		3WL9111-0AA62-0AA0		1	1 unit	1CA	0.010
	II, III		2500		3WL9111-0AA63-0AA0		1	1 unit	1CA	0.010
			3200		3WL9111-0AA64-0AA0		1	1 unit	1CA	0.010
			4000		3WL9111-0AA65-0AA0		1	1 unit	1CA	0.010
	III		5000		3WL9111-0AA66-0AA0		1	1 unit	1CA	0.010
			6300		3WL9111-0AA67-0AA0		1	1 unit	1CA	0.010
NSE0_01027a 3WL9111-0AT53-0AA0	**Ground-fault modules**[3]									
	Versions									
	• GFM AT 45B (only for ETU45B) alarm and tripping				3WL9111-0AT53-0AA0		1	1 unit	1CA	0.030
	• GFM AT 55B–76B (only for ETU76B) alarm and tripping				3WL9111-0AT56-0AA0		1	1 unit	1CA	0.030
NSE0_01609 3WL9111-0AT81-0AA0	**Displays** • For ETU45B • 4-line				3WL9111-0AT81-0AA0		1	1 unit	1CA	0.060
 NSE0_00990a 3WL9111-0AA2.-0AA0	**Internal current transformers for N conductor** Including wiring kit									
	ETU Release 2		Size							
	--		I		3WL9111-0AA11-0AA0		1	1 unit	1CA	0.200
			II		3WL9111-0AA12-0AA0		1	1 unit	1CA	0.280
			III		3WL9111-0AA13-0AA0		1	1 unit	1CA	0.500
	✓		I		3WL9111-0AA14-0AA0		1	1 unit	1CA	0.200
			II		3WL9111-0AA15-0AA0		1	1 unit	1CA	0.280
			III		3WL9111-0AA16-0AA0		1	1 unit	1CA	0.500
 NSE0_00991a 3WL9111-0AA3.-0AA0	**External current transformers for N conductor** For T5, "Measurement Method" function, see Technical Information at www.siemens.com/lowvoltage/product-support.									
	Copper connection pieces		Size							
	--		I		3WL9111-0AA21-0AA0		1	1 unit	1CA	0.300
			II		3WL9111-0AA22-0AA0		1	1 unit	1CA	0.380
			III		3WL9111-0AA23-0AA0		1	1 unit	1CA	0.680
	✓		I		3WL9111-0AA31-0AA0		1	1 unit	1CA	1.600
			II		3WL9111-0AA32-0AA0		1	1 unit	1CA	4.260
			III		3WL9111-0AA33-0AA0		1	1 unit	1CA	8.500
	EMC filters • Common-mode interference suppressor filters (e.g. in IT networks, caused by frequency converters) • Insertion loss (asymmetric) in the range 40 kHz to 10 MHz >40 dB.									
	Versions									
	• Not for ETU Release 2				3WL9111-0AK32-0AA0		1	1 unit	1CA	0.280
	• Only for ETU Release 2				3WL9111-0AK34-0AA0		1	1 unit	1CA	0.280

1) For replacement in existing circuit breakers please specify the circuit breaker ID No. when ordering.

2) With the rating plug selected, the maximum rated current $I_{n\,max}$ of the circuit breaker must not be exceeded. The following applies $I_n \leq I_{n\,max}$.

3) For direct measurement of the ground-fault current, e.g. in the neutral point of the transformer, a 1200 A/1 A current transformer, class 1, is required. The internal load of the 3WL circuit breaker is 0.11 Ω. If the ground-fault current is to be determined using the vectorial sum of the phases, a transformer must be installed in the neutral conductor.

* You can order this quantity or a multiple thereof.

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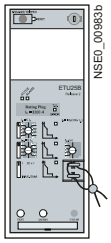
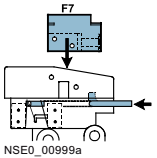
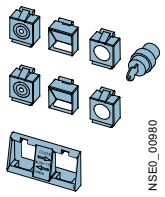
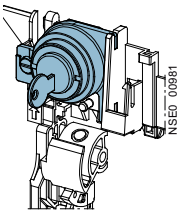
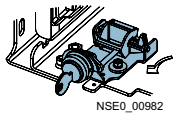
	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
More accessories for Electronic Trip Units								
 3WL9111-0AT45-0AA0	**Sealable and lockable covers**							
	Versions							
	• For ETU15B to ETU45B		3WL9111-0AT45-0AA0		1	1 unit	1CA	0.050
	• For ETU76		3WL9111-0AT46-0AA0		1	1 unit	1CA	0.050
	Automatic reset of the reclosing lockout Spare part for option **K01,** for "-Z" + order code, see page 1/46.		3WL9111-0AK21-0AA0		1	1 unit	1CA	0.050
 3WL9111-0AK0.-0AA0	**Remote reset coils**[1] • For mechanical tripped indicator • Spare part for options **K10** to **K13,** for "-Z" + order code, see page 1/46.							
	Note							
	Automatic reset of the reclosing lockout 3WL9111-0AK21-0AA0 also needed.							
	Versions							
	• 24 V DC		3WL9111-0AK03-0AA0		1	1 unit	1CA	0.200
	• 48 V DC		3WL9111-0AK04-0AA0		1	1 unit	1CA	0.200
	• 120 V AC/125 V DC		3WL9111-0AK05-0AA0		1	1 unit	1CA	0.200
	• 208-250 V AC/208-250 V DC		3WL9111-0AK06-0AA0		1	1 unit	1CA	0.200
	Retrofittable internal CubicleBUS wiring for connection to terminal X8 • For ETU45B and ETU76B • Without male connector[2]		3WL9111-0AK30-0AA0		1	1 unit	1CA	0.150
	Retrofittable internal wiring for connection of the external N- and G-transformers to terminal X8 • Not for ETU Release 2 • Without male connector		3WL9111-0AK31-0AA0		1	1 unit	1CA	0.020
	Retrofittable internal wiring for connection of the external N- and G-transformers to terminal X8 • For ETU Release 2 • Without male connector		3WL9111-0AK33-0AA0		1	1 unit	1CA	0.020
Locking devices								
 3WL9111-0BA22-0AA0	**Interlocking set for mechanical ON/OFF** • Consisting of 2 transparent covers each for sealing or for attaching padlocks[4], • Cover with 6.35 mm hole (for tool actuation) • Lock mount for safety lock for key operation							
	Versions							
	• Without safety lock		3WL9111-0BA21-0AA0		1	1 unit	1CA	0.100
	• Made by CES		3WL9111-0BA22-0AA0		1	1 unit	1CA	0.300
	• Made by IKON		3WL9111-0BA24-0AA0		1	1 unit	1CA	0.300
 3WL9111-0BA31-0AA0	**Locking devices against unauthorized closing, in the operator panels** • The disconnector unit fulfills the requirements for main circuit breakers acc. to EN 60204-1 • Spare part for options **S01** to **S09,** for "-Z" + order code, see page 1/48.							
	Versions							
	• Assembly kit FORTRESS or CASTELL[3]		3WL9111-0BA31-0AA0		1	1 unit	1CA	0.200
	• Made by Ronis		3WL9111-0BA33-0AA0		1	1 unit	1CA	0.400
	• Made by KIRK-Key[3]		3WL9111-0BA34-0AA0		1	1 unit	1CA	0.270
	• Made by Profalux		3WL9111-0BA35-0AA0		1	1 unit	1CA	0.250
	• Made by CES		3WL9111-0BA36-0AA0		1	1 unit	1CA	0.200
	• Made by IKON		3WL9111-0BA38-0AA0		1	1 unit	1CA	0.200
	• Assembly kit for padlocks[4]		3WL9111-0BA41-0AA0		1	1 unit	1CA	0.360
 3WL9111-0BA53-0AA0	**Locking devices against unauthorized closing, for withdrawable circuit breakers** • The disconnector unit fulfills the requirements for main circuit breakers acc. to EN 60204-1 • Consisting of lock in the cabinet door, active in connected position; function is retained when circuit breaker is replaced • Spare part for options **R60, R61, R68**, for "-Z" + order code, see page 1/48.							
	Versions							
	• Made by CES		3WL9111-0BA51-0AA0		1	1 unit	1CA	0.300
	• Made by IKON		3WL9111-0BA53-0AA0		1	1 unit	1CA	0.300
	• Made by KIRK-Key[3]		3WL9111-0BA57-0AA0		1	1 unit	1CA	0.300
	• Made by Ronis		3WL9111-0BA58-0AA0		1	1 unit	1CA	0.300
	• Made by Profalux		3WL9111-0BA50-0AA0		1	1 unit	1CA	0.227

1) Can only be used in conjunction with "automatic reset of reclosing lockout", e.g. "-Z" + "K01", 3WL9111-0AK21-0AA0.
2) Required if communication is retrofitted.
3) Locks, cylinders and keys must be ordered from the manufacturer.
4) Padlock not included in the scope of supply.

*** You can order this quantity or a multiple thereof.**

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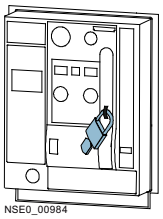
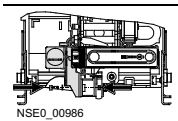
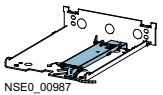
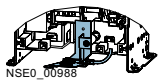
Accessories and spare parts

	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
 NSE0_00984 3WL9111-0BA71-0AA0	**Locking devices for operating mechanism handle with padlock[1)]** Spare part for option **S33,** for "-Z" + order code, see page 1/48.		**3WL9111-0BA71-0AA0**		1	1 unit	1CA	0.080
 NSE0_00986 3WL9111-0BA76-0AA0	**Locking devices to prevent movement of the withdrawable circuit breakers** • Safety lock for mounting on the circuit breaker • Spare part for options **S71, S75, S76,** for "-Z" + order code, see page 1/48.							
	Versions							
	• Made by CES		**3WL9111-0BA73-0AA0**		1	1 unit	1CA	0.300
	• Made by IKON		**3WL9111-0BA75-0AA0**		1	1 unit	1CA	0.200
	• Made by Profalux		**3WL9111-0BA76-0AA0**		1	1 unit	1CA	0.300
	• Made by Ronis		**3WL9111-0BA77-0AA0**		1	1 unit	1CA	0.300
	• Made by KIRK-Key[2)]		**3WL9111-0BA80-0AA0**		1	1 unit	1CA	0.400
	Interlocking systems • Made by CES • 2 of the same keys for 3 circuit breakers • Locking device in OFF position • Lock in the operator panel • A maximum of 2 circuit breakers can be switched on		**3WL9111-0BA43-0AA0**		1	1 unit	1CA	0.360
Locking mechanisms								
 NSE0_00987 3WL9111-0BA83-0AA0	**Locking devices to prevent movement of the withdrawable circuit breakers in disconnected position** • Consisting of Bowden wire and lock in the cabinet door on the circuit breaker • Spare part for options **R81**, **R85**, **R86,** for "-Z" + order code, see page 1/48.							
	Versions							
	• Made by CES		**3WL9111-0BA81-0AA0**		1	1 unit	1CA	0.800
	• Made by IKON		**3WL9111-0BA83-0AA0**		1	1 unit	1CA	0.800
	• Made by Profalux		**3WL9111-0BA85-0AA0**		1	1 unit	1CA	0.800
	• Made by Ronis		**3WL9111-0BA86-0AA0**		1	1 unit	1CA	0.800
	Note							
	Not possible in combination with "Locking device to prevent opening of the cabinet door" (order code "R30") or "Locking device to prevent movement with the cabinet door open" (order code "R50").							
 NSE0_00988 3WL9111-0BB12-0AA0	**Locking devices to prevent opening of the cabinet door in ON position** • Fixed-mounted • Can be defeated • Spare part for option **S30,** for "-Z" + order code, see page 1/48.		**3WL9111-0BB12-0AA0**		1	1 unit	1CA	0.600
	Locking devices to prevent opening of the cabinet door • Guide frames • Can be defeated • Spare part for option **R30,** for "-Z" + order code, see page 1/48.		**3WL9111-0BB13-0AA0**		1	1 unit	1CA	0.150
	Note							
	Not possible in combination with "Locking device to prevent movement of the withdrawable circuit breakers in disconnected position" (order codes "R81", "R85" or "R86").							
	Locking devices to prevent movement with the cabinet door open • Guide frames • Spare part for option **R50,** for "-Z" + order code, see page 1/48.		**3WL9111-0BB15-0AA0**		1	1 unit	1CA	0.150
	Note							
	Not possible in combination with "Locking device to prevent movement of the withdrawable circuit breakers in disconnected position" (order codes "R81", "R85" or "R86").							

1) Padlock not included in the scope of supply.
2) Locks, cylinders and keys must be ordered from the manufacturer.

* You can order this quantity or a multiple thereof.

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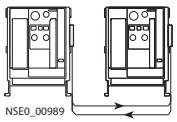
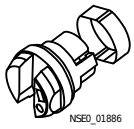
	Designation			DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Interlocks										
 NSE0_00989 3WL9111-0BB21-0AA0	**Mutual mechanical interlocking** with 2000 mm Bowden wire (one required for each circuit breaker)									
	Type	When ordered separately	Spare part for							
	Fixed-mounted circuit breakers	--	Option **S55,** for "-Z" + order code, see page 1/47.		**3WL9111-0BB21-0AA0**		1	1 unit	1CA	2.700
	Module for withdrawable circuit breakers with guide frame	--	Option **R55,** for "-Z" + order code, see page 1/47.		**3WL9111-0BB24-0AA0**		1	1 unit	1CA	1.130
	Module for guide frame	✓	Option **R56,** for "-Z" + order code, see page 1/47.		**3WL9111-0BB22-0AA0**		1	1 unit	1CA	1.100
	Module for withdrawable circuit breaker	✓	Option **R57,** for "-Z" + order code, see page 1/47.		**3WL9111-0BB23-0AA0**		1	1 unit	1CA	0.150
	Adapter for size III withdrawable circuit breaker	✓	--		**3WL9111-0BB30-0AA0**		1	1 unit	1CA	0.100
 NSE0_01886 3WL9112-8HA47-0AA0	**Couplings on the circuit breaker (with ring) for mutual interlocking** Can be used in all circuit breakers				**3WL9112-8AH47-0AA0**		1	1 unit	1CA	0.160
	Bowden wires									
	Versions									
	2000 mm				**3WL9111-0BB45-0AA0**		1	1 unit	1CA	0.150
	3000 mm				**3WL9111-0BB46-0AA0**		1	1 unit	1CA	0.220
	4500 mm				**3WL9111-0BB47-0AA0**		1	1 unit	1CA	0.360
Transfer control devices										
3KC9000-8TL30 3KC9000-8EL10	**3KC ATC5300 and NEW ATC3100 transfer control devices** For combination with two air circuit breakers/molded case circuit breakers for changeover according to IEC 60947-6-1. For further information, see Chapter "Monitoring Devices".									
Test devices										
	Manual tester Release 2 for Electronic Trip Units ETU15B to ETU76B For testing the Electronic Trip Unit functions of all 3WL ETUs (release 1 and release 2)				**3WL9111-0AT32-0AA0**		1	1 unit	1CA	1.100
	Function testers For testing the tripping characteristics for Electronic Trip Units ETU15B to ETU76B				**3WL9111-0AT44-0AA0**		1	1 unit	1CA	8.210
Capacitor storage devices										
	Capacitor storage devices • For shunt releases • Storage time 5 min				**3WL9111-0BA14-0AA0**		1	1 unit	1CA	0.520
	Rated control supply voltage/rated operational voltage									
	50/60 Hz V AC	V DC								
	220 ... 240	220 ... 250								
	Note									
	• Rated control supply voltage must match the rated control supply voltage of the shunt release • Suitable also for 3VL and 3WN circuit breakers									

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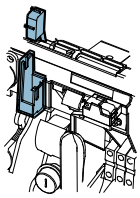
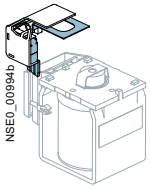
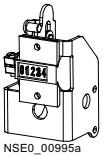
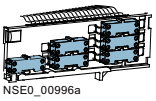
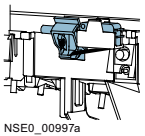
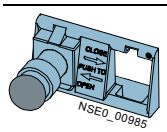
Accessories and spare parts

	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Indicators, control elements								
 NSE0_00993a 3WL9111-0AH01-0AA0	**Ready-to-close signaling switches (S20)** • 1 NO contact • Spare part for option **C22,** for "-Z" + order code, see page 1/46.		**3WL9111-0AH01-0AA0**		1	1 unit	1CA	0.020
 NSE0_00994b 3WL9111-0AH02-0AA0	**Signaling switches[1)2)] (S22 or S23)** • 1st or 2nd auxiliary release • Spare part for options **C26** and **C27,** for "-Z" + order code, see page 1/46.		**3WL9111-0AH02-0AA0**		1	1 unit	1CA	0.020
	1st tripped signaling switch[1)2)] (S24) • 1 CO contact • Spare part for option **K07,** for "-Z" + order code, see page 1/46.		**3WL9111-0AH14-0AA0**		1	1 unit	1CA	0.080
	2nd tripped signaling switch[1)2)3)] (S25) • 1 NO contact • Spare part for option **K06,** for "-Z" + order code, see page 1/46.		**3WL9111-0AH17-0AA0**		1	1 unit	1CA	0.080
 NSE0_00995a 3WL9111-0AH07-0AA0	**Operating cycles counter** • Mechanical[4)] • Spare part for option **C01,** for "-Z" + order code, see page 1/46.		**3WL9111-0AH07-0AA0**		1	1 unit	1CA	0.100
	Stored energy status signaling switches[1)2)] • 1 NO contact • Spare part for option **C20,** for "-Z" + order code, see page 1/46.		**3WL9111-0AH08-0AA0**		1	1 unit	1CA	0.030
 NSE0_00996a 3WL9111-0AH12-0AA0	**Position signaling switches for guide frames** Spare part for options **R15** and **R16,** for "-Z" + order code, see page 1/47.							
	Versions							
	• 1. block (3 CO contacts) • 2. block (6 CO contacts)		**3WL9111-0AH11-0AA0** **3WL9111-0AH12-0AA0**		1 1	1 unit 1 unit	1CA 1CA	0.200 0.400
 NSE0_00997a 3WL9111-0AJ0.-0AA0	**Electrical ON buttons[1)5)] (S10)** • Button + wiring[2)] • For operator panel • Spare part for options **C11** and **C12**, for "-Z" + order code, see page 1/46.							
	Versions							
	• With sealing cap **C11** • With CES **C12** assembly kit • With IKON assembly kit		**3WL9111-0AJ02-0AA0** **3WL9111-0AJ03-0AA0** **3WL9111-0AJ05-0AA0**		1 1 1	1 unit 1 unit 1 unit	1CA 1CA 1CA	0.150 0.140 0.140
	Note							
	Possible only for circuit breakers with closing coil.							
	Motor shutdown switches[6)] (S12) • Mounting on operator panel • Spare part for option **S25,** for "-Z" + order code, see page 1/46.		**3WL9111-0AJ06-0AA0**		1	1 unit	1CA	0.100
 NSE0_00985 3WL9111-0BA72-0AA0	**EMERGENCY-STOP pushbuttons** • Mushroom pushbutton instead of the mechanical OFF pushbutton • Spare part for option **S24,** for "-Z" + order code, see page 1/46.		**3WL9111-0BA72-0AA0**		1	1 unit	1CA	0.080

1) Not possible with communications interface option, order codes "F02" or "F12".

2) X7 auxiliary supply connector required for circuit breakers or guide frames. If this is not already available, please order additionally (see page 1/51 and page 1/63).

3) Can only be used in combination with 1st tripped signaling switch.

4) Only in conjunction with motorized operating mechanism.

5) Not possible with motor shutdown switch.

6) Not possible with electrical ON button.

* You can order this quantity or a multiple thereof.

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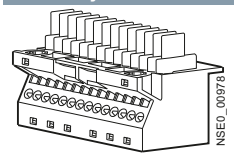
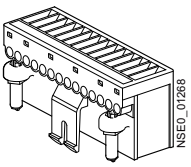
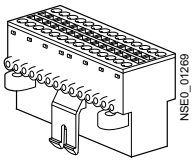
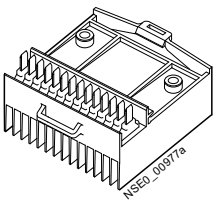
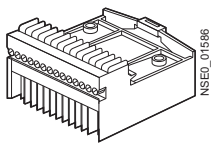
	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Auxiliary conductor connections								
 3WL9111-0AB01-0AA0	**Male connectors for circuit breakers** ①		**3WL9111-0AB01-0AA0**		1	1 unit	1CA	0.100
	Extension for the 1000 V male connector versions Male connector must be ordered separately.		**3WL9111-0AB02-0AA0**		1	1 unit	1EA	0.150
	Male connectors and extension for 1000 V		**3WL9111-0AB10-0AA0**		1	1 unit	1EA	1.000
 3WL9111-0AB03-0AA0	**Auxiliary supply connectors for circuit breakers or guide frames** ② Versions							
	• Screw connection (SIGUT)		**3WL9111-0AB03-0AA0**		1	1 unit	1CA	0.070
 3WL9111-0AB04-0AA0	• Screwless connection method (tension spring)		**3WL9111-0AB04-0AA0**		1	1 unit	1CA	0.070
3WL9111-0AB07-0AA0	**Coding kits** For fixed-mounted versions (X5 to X8) ③		**3WL9111-0AB07-0AA0**		1	1 unit	1CA	0.020
 3WL9111-0AB08-0AA0	**Sliding contact modules for guide frames** ④		**3WL9111-0AB08-0AA0**		1	1 unit	1CA	0.100
 3WL9111-0AB18-0AA0	**One-part sliding contact modules for guide frames** Screw connection (SIGUT) ⑤		**3WL9111-0AB18-0AA0**		1	1 unit	1CA	0.120
	Blanking blocks for circuit breakers		**3WL9111-0AB12-0AA0**		1	1 unit	1CA	0.030

For a complete auxiliary current connection you must order:

Fixed-mounted version: ① + ② + ③

Withdrawable version: ① + ④ + ② or ① + ⑤

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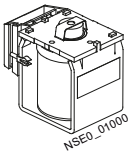
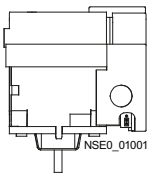
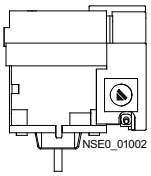
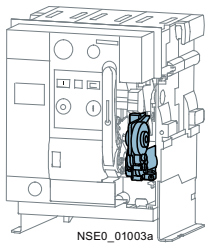
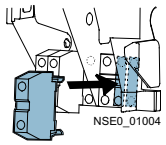
	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Auxiliary releases								
 3WL9111-0AD06-0AA0	**Closing coils/shunt releases**							
	Versions / Voltage							
	100 % OP							
	24 V DC		3WL9111-0AD01-0AA0		1	1 unit	1CA	0.700
	30 V DC		3WL9111-0AD02-0AA0		1	1 unit	1CA	0.700
	48 V DC		3WL9111-0AD03-0AA0		1	1 unit	1CA	0.700
	60 V DC		3WL9111-0AD04-0AA0		1	1 unit	1CA	0.700
	110 ... 125 V DC/110 ... 127 V AC		3WL9111-0AD05-0AA0		1	1 unit	1CA	0.700
	220 ... 250 V DC/208 ... 240 V AC		3WL9111-0AD06-0AA0		1	1 unit	1CA	0.700
	5 % OP[1]							
	24 V DC		3WL9111-0AD11-0AA0		1	1 unit	1CA	0.700
	48 V DC		3WL9111-0AD12-0AA0		1	1 unit	1CA	0.700
	110 ... 125 V DC/110 ... 127 V AC		3WL9111-0AD13-0AA0		1	1 unit	1CA	0.700
	220 ... 250 V DC/208 ... 240 V AC		3WL9111-0AD14-0AA0		1	1 unit	1CA	1.800
 3WL9111-0AE0.-0AA0	**Undervoltage releases**							
	Versions / Voltage							
	Instantaneous							
	24 V DC		3WL9111-0AE01-0AA0		1	1 unit	1CA	0.730
	30 V DC		3WL9111-0AE02-0AA0		1	1 unit	1CA	0.730
	48 V DC		3WL9111-0AE03-0AA0		1	1 unit	1CA	0.730
	60 V DC		3WL9111-0AE07-0AA0		1	1 unit	1CA	0.730
	110 ... 125 V DC/110 ... 127 V AC		3WL9111-0AE04-0AA0		1	1 unit	1CA	0.730
	220 ... 250 V DC/208 ... 240 V AC		3WL9111-0AE05-0AA0		1	1 unit	1CA	0.730
	380 ... 415 V AC		3WL9111-0AE06-0AA0		1	1 unit	1CA	0.730
 3WL9111-0AE1.-0AA0	Delayed							
	48 V DC		3WL9111-0AE11-0AA0		1	1 unit	1CA	0.740
	110 ... 125 V DC/110 ... 127 V AC		3WL9111-0AE12-0AA0		1	1 unit	1CA	0.740
	220 ... 250 V DC/208 ... 240 V AC		3WL9111-0AE13-0AA0		1	1 unit	1CA	0.740
	380 ... 415 V AC		3WL9111-0AE14-0AA0		1	1 unit	1CA	0.740
Operating mechanisms								
 3WL9111-0AF0.-0AA0	**Motorized operating mechanisms[2]**							
	Versions							
	• 24 ... 30 V DC		3WL9111-0AF01-0AA0		1	1 unit	1CA	1.510
	• 48 ... 60 V DC		3WL9111-0AF02-0AA0		1	1 unit	1CA	1.510
	• 110 ... 125 V DC/110 ... 127 V AC		3WL9111-0AF03-0AA0		1	1 unit	1CA	1.510
	• 220 ... 250 V DC/208 ... 240 V AC		3WL9111-0AF04-0AA0		1	1 unit	1CA	1.510
Auxiliary contacts								
 3WL9111-0AG03-0AA0	**Auxiliary switch blocks**							
	Versions							
	• 2 NO contacts + 2 NC contacts		3WL9111-0AG01-0AA0		1	1 unit	1CA	0.180
	• 2 NO contacts		3WL9111-0AG02-0AA0		1	1 unit	1CA	0.080
	• 1 NO contact + 1 NC contact		3WL9111-0AG03-0AA0		1	1 unit	1CA	0.070

1) Overexcited, i.e. operating time 50 ms (standard > 80 ms).

2) X5 auxiliary supply connector required for circuit breakers or guide frames. If this is not already available, please order additionally (see page 1/51 and page 1/54).

* You can order this quantity or a multiple thereof.

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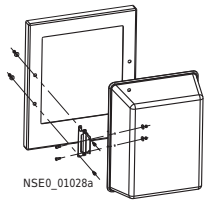
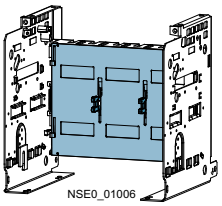
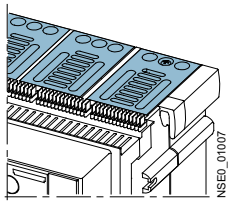
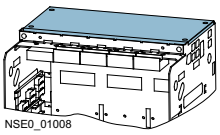
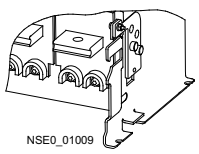
	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Door sealing frames, hoods, shutters								
	Door sealing frames Spare part for option **T40,** for "-Z" + order code, see page 1/46.		**3WL9111-0AP01-0AA0**		1	1 unit	1CA	0.360
 NSE0_01028a 3WL9111-0AP02-0AA0	**Protective covers** IP55 Notes • Cannot be used in conjunction with door sealing frames • Hood removable and can be opened on both sides		**3WL9111-0AP02-0AA0**		1	1 unit	1CA	1.600
 NSE0_01006 3WL9111-0AP0.-0AA0	**Shutters** Spare part for option **R21,** for "-Z" + order code, see page 1/47.							
	Number of poles: 3-pole; Size: I		**3WL9111-0AP04-0AA0**		1	1 unit	1CA	0.500
	II[1]		**3WL9111-0AP06-0AA0**		1	1 unit	1CA	0.630
	II C		**3WL9111-0AP43-0AA0**		1	1 unit	1CA	0.630
	III		**3WL9111-0AP07-0AA0**		1	1 unit	1CA	0.860
	Number of poles: 4-pole; Size: I		**3WL9111-0AP08-0AA0**		1	1 unit	1CA	0.600
	II[1]		**3WL9111-0AP11-0AA0**		1	1 unit	1CA	0.770
	II C		**3WL9111-0AP44-0AA0**		1	1 unit	1CA	0.770
	III		**3WL9111-0AP12-0AA0**		1	1 unit	1CA	1.070
Arc chutes								
 NSE0_01007 3WL9111-0AS0.-0AA0	**Arc chutes** Versions: 690 V; Size: I		**3WL9111-0AS01-0AA0**		1	1 unit	1CA	1.110
	II[1]		**3WL9111-0AS02-0AA0**		1	1 unit	1CA	1.680
	II C		**3WL9111-0AS10-0AA0**		1	1 unit	1CA	3.520
	III		**3WL9111-0AS03-0AA0**		1	1 unit	1CA	2.980
	Versions: 1000 V/1150 V; Size: II		**3WL9111-0AS05-0AA0**		1	1 unit	1CA	3.140
	III		**3WL9111-0AS06-0AA0**		1	1 unit	1CA	5.620
 NSE0_01008 3WL9111-0AS3.-0AA0	**Arc chute covers**[2] • Parts kit for guide frame • Spare part for option **R10,** for "-Z" + order code, see page 1/47.							
	Number of poles: 3-pole; Size: I		**3WL9111-0AS32-0AA0**		1	1 unit	1CA	1.850
	II		**3WL9111-0AS36-0AA0**		1	1 unit	1CA	2.600
	III		**3WL9111-0AS38-0AA0**		1	1 unit	1CA	4.050
	Number of poles: 4-pole; Size: I		**3WL9111-0AS42-0AA0**		1	1 unit	1CA	2.340
	II		**3WL9111-0AS44-0AA0**		1	1 unit	1CA	3.300
	III		**3WL9111-0AS46-0AA0**		1	1 unit	1CA	5.210
Coding for withdrawable version								
 NSE0_01009 3WL9111-0AR12-0AA0 3WL9111-0AR13-0AA0	**Coding for withdrawable version** By customer, for 36 coding variants Versions: • Sizes I and II		**3WL9111-0AR12-0AA0**		1	1 unit	1CA	0.400
	• Size III		**3WL9111-0AR13-0AA0**		1	1 unit	1CA	0.310

[1] Cannot be used for 3WL1 size II with very high breaking capacity C

[2] Not available for
- 1000 V version (order code "A05")
- 1150 V version (order code "A15")
- DC version
- 4000 A size II
- circuit breaker with very high breaking capacity C

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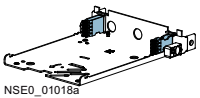
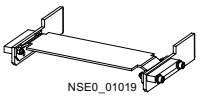
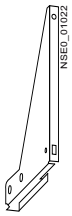
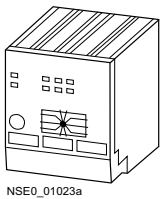
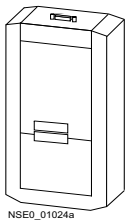
Accessories and spare parts

	Designation		DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Grounding connection									
 NSE0_01018a 3WL9111-0BA02-0AA0	**Grounding connection between the guide frame and the withdrawable circuit breaker** • For 30 kA ground short-circuit current[1] • Contacting modules for guide frame								
	Versions								
	• Size I and II[2]			3WL9111-0BA01-0AA0		1	1 unit	1CA	0.330
	• Size III			3WL9111-0BA02-0AA0		1	1 unit	1CA	0.350
 NSE0_01019 3WL9111-0BA07-0AA0	**Contacting modules for withdrawable circuit breakers**								
	Number of poles	Size							
	3-pole	I		3WL9111-0BA05-0AA0		1	1 unit	1CA	1.250
		II[2]		3WL9111-0BA06-0AA0		1	1 unit	1CA	1.530
		III		3WL9111-0BA07-0AA0		1	1 unit	1CA	2.270
	4-pole	I		3WL9111-0BA08-0AA0		1	1 unit	1CA	1.500
		II[2]		3WL9111-0BA04-0AA0		1	1 unit	1CA	1.850
		III		3WL9111-0BA10-0AA0		1	1 unit	1CA	2.950
Support brackets									
 NSE0_01022 3WL9111-0BB50-0AA0	**Support brackets** • For mounting fixed-mounted circuit breakers on vertical plane • Only for sizes I and II (1 set = 2 units)			3WL9111-0BB50-0AA0		1	1 unit	1CA	7.000
CubicleBUS modules[3][6]									
 NSE0_01023a 3WL9111-0AT23-0AA0	**Digital output modules with rotary coding switch, relay outputs**			3WL9111-0AT26-0AA0		1	1 unit	1CA	0.240
	Digital output modules, configurable, relay outputs			3WL9111-0AT20-0AA0		1	1 unit	1CA	0.310
	Digital input modules			3WL9111-0AT27-0AA0		1	1 unit	1CA	0.240
	Analog output modules			3WL9111-0AT23-0AA0		1	1 unit	1CA	0.240
	Zone Selective Interlocking modules			3WL9111-0AT21-0AA0		1	1 unit	1CA	0.240
Parameterization systems[5]									
 NSE0_01024a 3WL9111-0AT28-0AA0	**BDA *Plus*[4][5]** • Parameterization, operation, monitoring and diagnostics of 3WL air circuit breakers using the local interface • Breaker Data Adapter, connection cable to the 3WL air circuit breaker and to the programming device (e.g. notebook) • Can be run with Internet Explorer with JAVA2 VM 1.4.0-01 and higher • With Ethernet interface for connection to Ethernet/Intranet/ Internet			3WL9111-0AT33-0AA0		1	1 unit	1CA	1.200
	Connection cables for BDA *Plus* • Connection cable for connection of BDA *Plus* to terminal X8 of the 3WL air circuit breaker • Required if neither COM15 nor COM16 nor other external **Cubicle**BUS modules are available • Length 2 m			3WL9111-0BC21-0AA0		1	1 unit	1CA	0.350
	powerconfig parameterization software • Parameterization, operation, monitoring and diagnostics of 3WL air circuit breakers using powerconfig software, see Chapter "Software", "Configuring, Visualizing and Controlling with SENTRON". • powerconfig is available free of charge at http://support.automation.siemens.com/WW/view/en/63452759								

1) For 60 kA ground short-circuit current, order 2.

2) Cannot be used for size II with very high breaking capacity C and size II, 4000 A.

3) Each **Cubicle**BUS module is supplied with a 0.2 m factory-fitted cable to connect the modules with each other. A longer factory-fitted cable is required for connection to the circuit breaker.

4) A 24 V DC power supply unit is required.

5) Operation under Windows Vista and Windows 7 possible with restrictions.

6) All communication components, **Cubicle**BUS modules and measurement functions are available for the ETU45B and ETU76B Electronic Trip Units.

* You can order this quantity or a multiple thereof.

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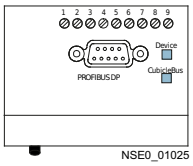
	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Accessories for communications[3]								
	Preassembled cables for CubicleBUS **modules**							
	Versions							
	• 0.5 m long, for connection to 3WL with COM15/COM16		3WL9111-0BC04-0AA0		1	1 unit	1CA	0.020
	• 1 m long, for connection to 3WL with COM15/COM16		3WL9111-0BC02-0AA0		1	1 unit	1CA	0.050
	• 2 m long, for connection to 3WL with COM15/COM16		3WL9111-0BC03-0AA0		1	1 unit	1CA	0.060
	• 2 m long, for connection to 3WL without COM15/COM16		3WL9111-0BC05-0AA0		1	1 unit	1CA	0.070
	SENTRON manual for communication solutions • Detailed description of the communication functions for circuit breakers. Installation, connection, commissioning, data transmission to the PLC. • Free download from: www.siemens.com/lowvoltage/manuals							
	Voltage transformers • 3-pole, for 3WL circuit breakers with measurement function *Plus*[1] • 380 ... 690 V/100 V, class 0.5		3WL9111-0BB68-0AA0		1	1 unit	1CA	2.600
Retrofitting and spare parts[3]								
	PROFIBUS retrofit kits Retrofit kit for PROFIBUS communications including COM15, BSS and set of cables for all 3WL air circuit breakers with ETU45B and ETU76B Electronic Trip Units		3WL9111-0AT12-0AA0		1	1 unit	1CA	0.260
 3WL9111-0AT15-0AA0	**COM15 PROFIBUS module** For ETU45B and ETU76B Electronic Trip Units		3WL9111-0AT15-0AA0		1	1 unit	1CA	0.140
	COM16 MODBUS modules For ETU45B and ETU76B Electronic Trip Units		3WL9111-0AT17-0AA0		1	1 unit	1CA	0.140
	MODBUS IEC retrofit kits Retrofit kit for MODBUS communications including COM16, BSS and set of cables for all 3WL air circuit breakers with ETU45B and ETU76B Electronic Trip Units		3WL9111-0AT18-0AA0		1	1 unit	1EA	0.260
	Breaker status sensor (BSS) For ETU45B and ETU76B Electronic Trip Units		3WL9111-0AT16-0AA0		1	1 unit	1CA	0.120
	Measurement function *Plus*[2] • For ETUs Release 2 • Voltage transformer required		3WL9111-0AT04-0AA0		1	1 unit	1CA	0.250

1) Is required for operation of the measurement function *Plus*.

2) A measuring accuracy of 3 % is reached if retrofitted.

3) All communication components, **Cubicle**BUS modules and measurement functions are available for the ETU45B and ETU76B Electronic Trip Units.

*** You can order this quantity or a multiple thereof.**

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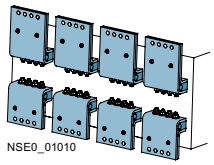
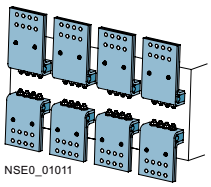
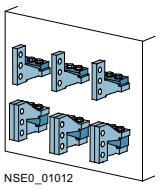
Accessories and spare parts

	Designation		DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Main conductor connections, fixed-mounted versions (essential accessory)									
	Specified for each connection								
3WL9111-0AL06-0AA0	**Front-accessible main connections, single hole at top**[1]								
 NSE0_01010	Size	Rated current I_n							
	I	Up to 1000 A		**3WL9111-0AL01-0AA0**		1	1 unit	1CA	1.100
		1250 A to 1600 A		**3WL9111-0AL02-0AA0**		1	1 unit	1CA	1.600
	II[4]	Up to 2000 A		**3WL9111-0AL03-0AA0**		1	1 unit	1CA	2.000
		Up to 2500 A		**3WL9111-0AL04-0AA0**		1	1 unit	1CA	3.600
		Up to 3200 A		**3WL9111-0AL05-0AA0**		1	1 unit	1CA	3.500
	III	Up to 4000 A		**3WL9111-0AL06-0AA0**		1	1 unit	1CA	6.100
3WL9111-0AL56-0AA0	**Front-accessible main connections, single hole at bottom**[1]								
	Size	Rated current I_n							
	I	Up to 1000 A		**3WL9111-0AL51-0AA0**		1	1 unit	1CA	1.000
		1250 A to 1600 A		**3WL9111-0AL52-0AA0**		1	1 unit	1CA	1.300
	II[4]	Up to 2000 A		**3WL9111-0AL53-0AA0**		1	1 unit	1CA	1.800
		Up to 2500 A		**3WL9111-0AL54-0AA0**		1	1 unit	1CA	3.100
		Up to 3200 A		**3WL9111-0AL55-0AA0**		1	1 unit	1CA	3.000
	III	Up to 4000 A		**3WL9111-0AL56-0AA0**		1	1 unit	1CA	5.200
3WL9111-0AL14-0AA0	**Front-accessible main connections according to DIN 43673, double hole at top**								
 NSE0_01011	Size	Rated current I_n							
	I	Up to 1000 A [1]		**3WL9111-0AL07-0AA0**		1	1 unit	1CA	1.400
		1250 A to 2000 A		**3WL9111-0AL08-0AA0**		1	1 unit	1CA	2.000
	II[4]	Up to 2000 A		**3WL9111-0AL11-0AA0**		1	1 unit	1CA	2.400
		Up to 2500 A		**3WL9111-0AL12-0AA0**		1	1 unit	1CA	4.500
		Up to 3200 A		**3WL9111-0AL13-0AA0**		1	1 unit	1CA	4.400
	III	Up to 4000 A		**3WL9111-0AL14-0AA0**		1	1 unit	1CA	7.800
3WL9111-0AL64-0AA0	**Front-accessible main connections according to DIN 43673, double hole at bottom**								
	Size	Rated current I_n							
	I	Up to 1000 A [1]		**3WL9111-0AL57-0AA0**		1	1 unit	1CA	1.300
		1250 A to 2000 A		**3WL9111-0AL58-0AA0**		1	1 unit	1CA	1.700
	II[4]	Up to 2000 A		**3WL9111-0AL61-0AA0**		1	1 unit	1CA	2.000
		Up to 2500 A		**3WL9111-0AL62-0AA0**		1	1 unit	1CA	3.700
		Up to 3200 A		**3WL9111-0AL63-0AA0**		1	1 unit	1CA	3.600
	III	Up to 4000 A		**3WL9111-0AL64-0AA0**		1	1 unit	1CA	6.400
 NSE0_01012 3WL9111-0AM03-0AA0	**Rear vertical main connections**								
	Size	Rated current I_n							
	I[2]	Up to 2000 A		**3WL9111-0AM01-0AA0**		1	1 unit	1CA	0.500
	II[3]	Up to 3200 A		**3WL9111-0AM02-0AA0**		1	1 unit	1CA	2.200
	III	Up to 6300 A		**3WL9111-0AM03-0AA0**		1	1 unit	1CA	5.000

1) Not for 3WL1 size I with high breaking capacity H.

2) In the case of vertical connection size I with breaking capacity N and S, up to 1000 A one 3WL9111–0AM01-0AA0 vertical connection is required, up to 2000 A or with breaking capacity H two 3WL9111-0AM01-0AA0 vertical connections are required.

3) In the case of vertical connection size II, up to 2500 A one 3WL9111–0AM02-0AA0 vertical connection is required, up to 3200 A two 3WL9111-0AM02-0AA0 vertical connections are required.

4) Not for circuit breakers with very high breaking capacity C.

* You can order this quantity or a multiple thereof.

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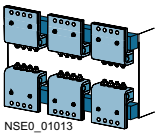
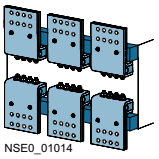
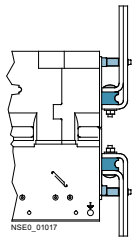
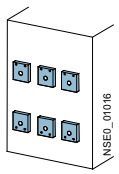
	Designation		DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Main conductor connections, withdrawable versions (essential accessory)									
	Specified for each connection								
 NSE0_01013 3WL9111-0AN06-0AA0	**Front-accessible main connections, single hole at top or at bottom[1] [2]**								
	Size	Rated current I_n							
	I	Up to 1000 A		3WL9111-0AN01-0AA0		1	1 unit	1CA	1.000
		1250 A to 1600 A		3WL9111-0AN02-0AA0		1	1 unit	1CA	1.300
	II[3]	Up to 2000 A		3WL9111-0AN03-0AA0		1	1 unit	1CA	1.800
		Up to 2500 A		3WL9111-0AN04-0AA0		1	1 unit	1CA	3.100
		Up to 3200 A		3WL9111-0AN05-0AA0		1	1 unit	1CA	3.000
	III	Up to 4000 A		3WL9111-0AN06-0AA0		1	1 unit	1CA	5.200
 NSE0_01014 3WL9111-0AN14-0AA0	**Front-accessible main connections according to DIN 43673, double hole at top or at bottom[1]**								
	Size	Rated current I_n							
	I	Up to 1000 A[2]		3WL9111-0AN07-0AA0		1	1 unit	1CA	1.300
		1250 A to 2000 A		3WL9111-0AN08-0AA0		1	1 unit	1CA	1.700
	II[3]	Up to 2000 A		3WL9111-0AN11-0AA0		1	1 unit	1CA	2.000
		Up to 2500 A		3WL9111-0AN12-0AA0		1	1 unit	1CA	3.700
		Up to 3200 A		3WL9111-0AN13-0AA0		1	1 unit	1CA	3.600
	III	Up to 4000 A		3WL9111-0AN14-0AA0		1	1 unit	1CA	6.400
 NSE0_01017 3WL9111-0AN41-0AA0	**Supports for front and DIN connecting bars**								
	Number of poles	Size							
	3-pole for 3 bars	I		3WL9111-0AN41-0AA0		1	1 unit	1CA	0.700
		II		3WL9111-0AN42-0AA0		1	1 unit	1CA	1.350
		III		3WL9111-0AN43-0AA0		1	1 unit	1CA	2.420
	4-pole for 4 bars	I		3WL9111-0AN44-0AA0		1	1 unit	1CA	1.200
		II		3WL9111-0AN45-0AA0		1	1 unit	1CA	2.200
		III		3WL9111-0AN46-0AA0		1	1 unit	1CA	3.200
NSE0_0101[illegible] 3WL9111-0AN23-0AA0	**Rear vertical main connections**								
	Size	Rated current I_n							
	I	Up to 1000 A[2]		3WL9111-0AN15-0AA0		1	1 unit	1CA	0.660
		1250 A to 2000 A		3WL9111-0AN16-0AA0		1	1 unit	1CA	0.870
	II	Up to 2000 A [3]		3WL9111-0AN17-0AA0		1	1 unit	1CA	1.150
		Up to 2500 A[3]		3WL9111-0AN18-0AA0		1	1 unit	1CA	1.490
		Up to 3200 A[3]		3WL9111-0AN21-0AA0		1	1 unit	1CA	2.580
		1600 ... 3200 A[4]		3WL9111-0AN38-0AA0		1	1 unit	1CA	2.600
	III	Up to 5000 A		3WL9111-0AN22-0AA0		1	1 unit	1CA	6.380
		Up to 6300 A, 3 busbar connection pieces for 3-pole circuit breakers		3WL9111-0AN23-0AA0		1	1 unit	1CA	19.170
		Up to 6300 A, at top, 4 busbar connection pieces for 4-pole circuit breakers		3WL9111-0AN20-0AA0		1	1 unit	1CA	18.410
		Up to 6300 A, at bottom, 4 busbar connection pieces for 4-pole circuit breakers		3WL9111-0AN10-0AA0		1	1 unit	1CA	18.300
	Rear horizontal main connections								
	Size	Rated current I_n							
	I	Up to 1000 A[2]		3WL9111-0AN32-0AA0		1	1 unit	1CA	0.630
		1250 A to 2000 A		3WL9111-0AN33-0AA0		1	1 unit	1CA	0.770
	II	Up to 2000 A [3]		3WL9111-0AN34-0AA0		1	1 unit	1CA	1.020
		Up to 2500 A[3]		3WL9111-0AN35-0AA0		1	1 unit	1CA	1.240
		Up to 3200 A[3]		3WL9111-0AN36-0AA0		1	1 unit	1CA	2.170
		1600 ... 3200 A[4]		3WL9111-0AN47-0AA0		1	1 unit	1CA	2.150
	III	Up to 5000 A		3WL9111-0AN37-0AA0		1	1 unit	1CA	3.860
 NSE0_01016 3WL9111-0AN24-0AA0	**Connecting flange**								
	Size	Rated current I_n							
	I	Up to 1000 A[2]		3WL9111-0AN24-0AA0		1	1 unit	1CA	0.610
		1250 A to 2000 A		3WL9111-0AN25-0AA0		1	1 unit	1CA	0.640
	II[3]	Up to 2000 A		3WL9111-0AN26-0AA0		1	1 unit	1CA	0.980
		Up to 2500 A		3WL9111-0AN27-0AA0		1	1 unit	1CA	1.020
		Up to 3200 A		3WL9111-0AN28-0AA0		1	1 unit	1CA	1.310
	III	Up to 4000 A		3WL9111-0AN31-0AA0		1	1 unit	1CA	2.370

1) When using front-accessible mains connections (withdrawable circuit breakers) supports are required.
2) Not for 3WL1 size I with high breaking capacity H.
3) Not for circuit breakers with very high breaking capacity C.
4) Only for circuit breakers with very high breaking capacity C.

*** You can order this quantity or a multiple thereof.**

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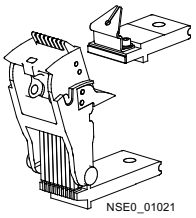
Accessories and spare parts

Conversion sets

Conversion set for converting fixed-mounted circuit breakers into withdrawable circuit breakers[1]
Guide frames and sliding contact modules must be ordered separately.

Number of poles	Size	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
3-pole	I		3WL9111-0BC11-0AA0		1	1 unit	1CA	5.100
	II		3WL9111-0BC12-0AA0		1	1 unit	1CA	5.900
	III		3WL9111-0BC13-0AA0		1	1 unit	1CA	8.100
4-pole	I		3WL9111-0BC14-0AA0		1	1 unit	1CA	6.400
	II		3WL9111-0BC15-0AA0		1	1 unit	1CA	6.450
	III		3WL9111-0BC16-0AA0		1	1 unit	1CA	10.700

Main contact elements


NSE0_01021

Main contact elements[2][4]

Size	$I_{n\,max}$	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
I	Up to 1600 A		3WL9111-0AM90 L1Y[3]		1	1 unit	1CA	2.800
II	Up to 2500 A		3WL9111-0AM91 L1Y[3]		1	1 unit	1CA	5.870
II	Up to 4000 A		3WL9111-0AM92 L1Y[3]		1	1 unit	1CA	7.700
III	Up to 6300 A		3WL9111-0AM93 L1Y[3]		1	1 unit	1CA	13.740

Notes

- The circuit breaker ID No. must be specified when ordering
- Specified for each connection (depending on the number of poles on the circuit breaker, order 3 or 4 units)
- Article No. is automatically adapted to the circuit breaker ID No.

1) Conversion from fixed-mounted to withdrawable is not possible for 3WL1 circuit breakers with very high breaking capacity C.

2) Not for circuit breakers with very high breaking capacity C.

3) Please specify the circuit breaker ID No. in plain text when ordering.

4) Replacement of the main contact elements for 3WL1 circuit breakers with very high breaking capacity C is only possible at the factory.

*** You can order this quantity or a multiple thereof.**

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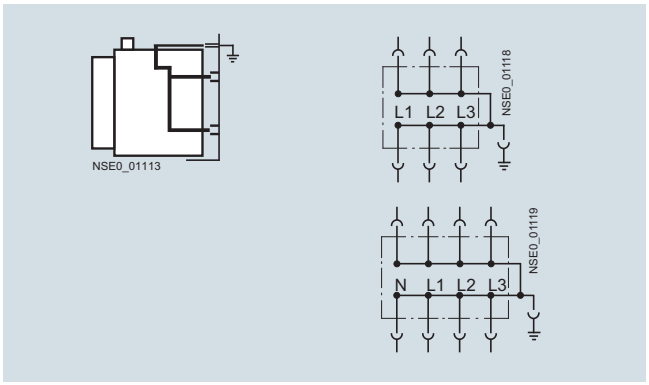
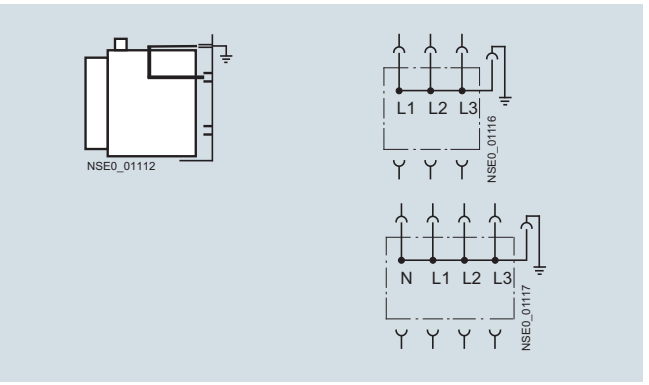
Version	Size	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Withdrawable short-circuiting, grounding and bridging units								
Withdrawable short-circuiting, grounding and bridging units Top and bottom system components are short-circuited and grounded.								
Number of poles	Rated current I_n	Size						
3-pole	Up to 1600 A	I	3WL9111-0BD01-0AA0		1	1 unit	1CA	30.000
	Up to 3200 A	II	3WL9111-0BD03-0AA0		1	1 unit	1CA	40.500
	Up to 6300 A	III	3WL9111-0BD05-0AA0		1	1 unit	1CA	65.000
4-pole	Up to 1600 A	I	3WL9111-0BD02-0AA0		1	1 unit	1CA	35.000
	Up to 3200 A	II	3WL9111-0BD04-0AA0		1	1 unit	1CA	46.000
	Up to 6300 A	III	3WL9111-0BD06-0AA0		1	1 unit	1CA	70.000

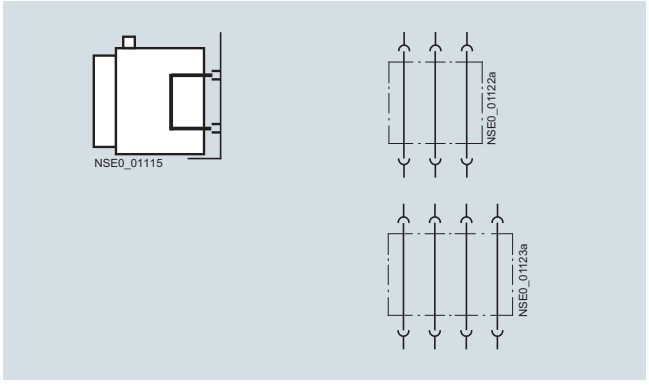
Conversion for the following applications is possible



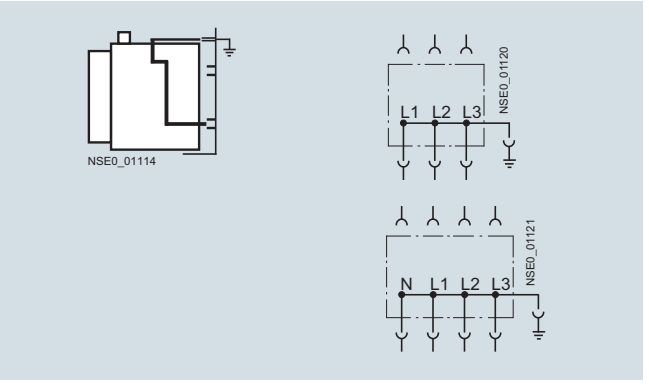
Top and bottom system components are short-circuited and grounded (as-supplied state)



Top system component is short-circuited and grounded, infeed from bottom



Withdrawable bridging unit, infeed and outgoing sides are permanently connected to each other



Bottom system component is short-circuited and grounded, infeed from top

*** You can order this quantity or a multiple thereof.**

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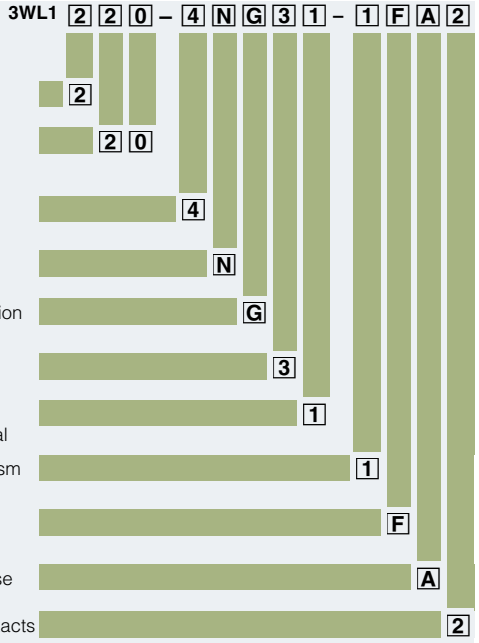
Options

Structure of the Article No.



Example		
5th position:	Size	Size II
6th and 7th positions:	Max. rated circuit breaker current $I_{n\,max}$	$I_{n\,max}$ = 2000 A
8th position:	Breaking capacity class	High breaking capacity "H": 100 kA
9th position:	Electronic Trip Units	ETU76B with graphics display ...
10th position:	Electronic Trip Unit supplement	... with ground-fault protection
11th position:	Number of poles	Three-pole
12th position:	Installation type	Fixed-mounted, main connections on rear, vertical
13th position:	Operating mechanisms	Manual operating mechanism with mechanical closing
14th position:	1st auxiliary release	Shunt release 50/60 Hz 110 V AC
15th position:	2nd auxiliary release	Without 2nd auxiliary release
16th position:	Auxiliary switches	2 NO contacts + 2 NC contacts

An important prerequisite for electronic order processing is that article numbers must be structured according to standardized criteria.

They are used as an unambiguous means of communication for various purposes:

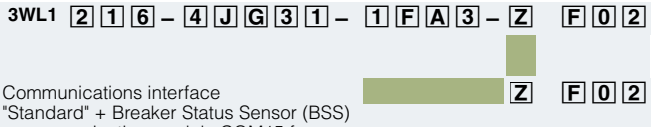
- Offer processing
  Selection and configuration
- Order processing
  Orders
  Order confirmation
  Processing of products for storage
  Order processing in supply locations
  Supply and dispatch
- Reporting and planning
- Service and warranty

The standardized structure ensures that only one Article No. has to be administered for one device.

This saves time and effort during planning, configuring, ordering and in stock keeping, and consequently above all it saves costs.

The example opposite explains the various positions within an Article No.

Accessories: With first order (components are already mounted)



Example

"-Z" with order code

Communications interface
"Standard" + Breaker Status Sensor (BSS)
+ communication module COM15 for
connection to PROFIBUS DP

Additional accessory components can be ordered ready-mounted.

These supplements are identified by **"–Z"**.

Even with additional components, one Article No. is sufficient.

Accessories: For retrofitting (components for subsequent fitting)

Example

3WL9 1 1 1 – 0 B A 2 1 – 0 A A 0

Interlocking set for mechanical ON/OFF
without lock

Additional accessories which are not intended to be ready-mounted in the factory, such as spare parts for storage, can also be ordered separately from the circuit breaker.

Accessories for retrofitting are identified by the Article No. stem 3WL9.

Documentation

Operating manual	German/English	Article No.	**3ZX18 12-0WL00-0AN2**
Complete set	French/Italian	Article No.	**3ZX18 12-0WL00-0AJ2**
	Spanish/Portuguese	Article No.	**3ZX18 12-0WL00-0AL2**
PROFIBUS manual	German	Article No.	**A5E0151347**
Communication	English	Article No.	**A5E0151353**
MODBUS manual	German	Article No.	**3ZX1012-0WL10-1AB1**
Communication	English	Article No.	**3ZX1012-0WL10-1AC1**

Delivery time class C
On request
On request

Free download of documentation from
www.siemens.com/lowvoltage/manuals

More information

Up-to-date information on the Internet at:
www.siemens.com/sentron

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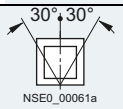
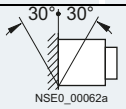
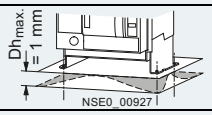
Technical specifications

Size			I	II		
Type			**3WL1120**	**3WL1210**	**3WL1220**	**3WL1240**
Rated current I_n at 40 °C Main conductor		A	2000	... 1000	2000	4000
Rated operational voltage U_e (1000 V version, order code "A05")		V DC	1000	... 600/1000	... 600/1000	... 600/1000
Rated insulation voltage U_i		V DC	1000	1000	1000	1000
Rated impulse withstand voltage U_{imp}						
• Main conducting paths		kV	12	12	12	12
• Auxiliary circuits		kV	4	4	4	4
• Control circuits		kV	2.5	2.5	2.5	2.5
Isolating function acc. to EN 60947-2			Yes	Yes	Yes	Yes
Utilization category				B		
Permissible ambient temperature						
• Operation		°C	–25/+70	–25/+70	–25/+70	–25/+70
• Storage		°C	–40/+70	–40/+70	–40/+70	–40/+70
Permissible load	Up to 40 °C	A	2000	1000	2000	4000
At rear horizontal main	Up to 55 °C	A	1910	1000	2000	3640
connections	Up to 60 °C	A	1850	1000	2000	3500
(Cu painted black)	Up to 70 °C	A	1710	1000	1950	3250
Power loss at I_n for symmetrical loads Withdrawable circuit breakers		W	150	280	770	1640
Switching times						
• Make time		ms	35	35	35	35
• Opening time		ms	38	34	34	34
• Electrical make time (through activation solenoid)[1]		ms	100	100	100	100
• Electrical opening time (through shunt release)		ms	73	73	73	73
• Electrical opening time (instantaneous undervoltage release)		ms	73	73	73	73
Endurance[3]						
• Mechanical (without maintenance)		Operating cycles	10 000	10000	10000	10000
• Mechanical (with maintenance)[2]		Operating cycles	15 000	15000	15000	15000
• Electrical (without maintenance)		Operating cycles	1000	6000	6000	4000
• 1000 V version		Operating cycles	1000	1000	1000	1000
• Electrical (with maintenance)[2]		Operating cycles	2000	15000	15000	15000
Switching frequency						
• 600 V version		1/h	--	60	60	60
• 1000 V version		1/h	20	20	20	20
Mounting position				 and/or  		
Degree of protection				IP20 without cabinet door, IP41 with door sealing frame, IP55 with cover		
Auxiliary conductors (Cu)	Standard connection = strain-relief clamp					
Max. number	• Without end sleeve			2 × 0.5 mm² (AWG 20) ... 2 × 1.5 mm² (AWG 16); 1 × 2.5 mm² (AWG 14)		
Auxiliary conductors ×	• With end sleeve acc. to DIN 46228 Part 2			1 × 0.5 mm² (AWG 20) ... 1 × 1.5 mm² (AWG 16)		
cross-section	• With twin end sleeve			2 × 0.5 mm² (AWG 20) ... 2 × 1.5 mm² (AWG 16)		
(solid/stranded)	Optional connection = tension spring					
	• Without end sleeve			2 × 0.5 mm² (AWG 20) ... 2 × 2.5 mm² (AWG 14)		
	• With end sleeve acc. to DIN 46228 Part 2			2 × 0.5 mm² (AWG 20) ... 2 × 1.5 mm² (AWG 16)		
Weights	3-pole • Fixed-mounted circuit breakers	kg	43	56	56	64
	• Withdrawable circuit breakers	kg	--	60	60	68
	• Guide frames	kg	--	31	31	45
	4-pole • Fixed-mounted circuit breakers	kg	50	67	67	77
	• Withdrawable circuit breakers	kg	--	72	72	82
	• Guide frames	kg	--	37	37	54

1) Make-time through activation solenoid for synchronization purposes (short-time excited) 50 ms.

2) Maintenance means: replace main contact elements and arc chutes (see Operating Manual).

3) Further technical specifications on request.

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General data

Breaking capacity

Size		I (DC)	II (DC)
Type		**3WL11**	**3WL12**
Breaking capacity		**DC**	**DC**
Short-circuit breaking capacity			
Up to 220 V DC I_{cc}	kA	20	35
Up to 300 V DC I_{cc}	kA	20	30
Up to 600 V DC I_{cc}	kA	20	25
Up to 1000 V DC I_{cc}	kA	20	20
Rated short-time withstand current I_{cw}			
0.5 s	kA	--	--
1 s	kA	20	35[1]/30[2]/25[3]/20[4]
2 s	kA	--	--
3 s	kA	--	--

(N) Circuit breakers with ECO breaking capacity N
(S) Circuit breakers with standard breaking capacity S
(H) Circuit breakers with high breaking capacity H
(C) Circuit breakers with very high breaking capacity C
(DC) Non-automatic air circuit breakers with DC breaking capacity

These breaking capacities are indicated in the corresponding tables by the symbols shown on orange backgrounds.

Note:

For further technical specifications, see the configuration manual "Air Circuit Breakers". Free download from: www.siemens.com/lowvoltage/manuals

Abbreviations* (functions)	English long text	Explanation
L	Long Time Delay	Overload protection
S	Short Time Delay	Short-circuit protection (short-time delayed)
I	Instantaneous	Short-circuit protection (instantaneous)
N	Neutral Protection	Neutral conductor protection
G	Ground Fault	Ground-fault protection

* Designations according to IEC 60947-2, Appendix K.

[1] At U_e = 220 V DC.
[2] At U_e = 300 V DC.
[3] At U_e = 600 V DC.
[4] At U_e = 1000 V DC.

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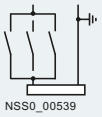
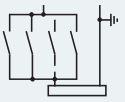
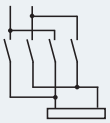
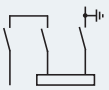
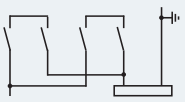
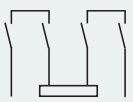
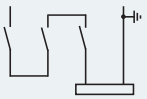
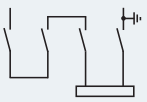
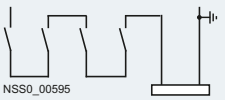
Application examples

Rated operational voltage	**Required series-connected contact gaps at rated voltage**	**For 3-pole non-automatic air circuit breakers** (operational currents up to 4000 A/conducting path)	**For 4-pole non-automatic air circuit breakers** (operational currents up to 4000 A/conducting path)
Up to 300 V + 10 %		 NSS0_00539 1-pole, 2 parallel conducting paths, only with grounded system 2-pole	 1-pole, 3 parallel conducting paths, only with grounded system  2-pole 2 parallel conducting paths
Over 300 V + 10 % Up to 600 V + 10 %		 2-pole, only with grounded system	 1-pole, 2 parallel conducting paths, only with grounded system  2-pole
Over 600 V + 10 % Up to 1000 V + 10 % (version for 1000 V required, order with "-Z" and order code A05)		 1-pole, only with grounded system	 2-pole, only with grounded system  NSS0_00595 1-pole, only with grounded system

Connection to the circuit breakers is independent of the direction and polarity; the circuit diagrams can be converted analogously. If the parallel or series connections are established directly to the connecting bars, for thermal reasons the circuit breakers may only be subjected continuously to 80 % of the permissible operational current. If the parallel or series connection is made at a distance of 1 m from the connecting bars, the circuit breaker can be used at full operational current load.

⊣⊪ grounded system
▭ load

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3- and 4-pole, fixed-mounted versions

Selection and ordering data

For general data, see page 1/8.

Size	Max. rated circuit breaker current $I_{n\,max}$	DT	3-pole non-automatic air circuit breakers (DC) Article No.: www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A							kg
Horizontal main circuit connection								
II	1000		3WL1210-8□□32-□□□□		1	1 unit	1CA	56.000
	2000		3WL1220-8□□32-□□□□		1	1 unit	1CA	56.000
	4000[1]		3WL1240-8□□32-□□□□		1	1 unit	1CA	64.000
Vertical main circuit connection								
II	1000		3WL1210-8□□31-□□□□		1	1 unit	1CA	56.000
	2000		3WL1220-8□□31-□□□□		1	1 unit	1CA	56.000
	4000[1]		3WL1240-8□□31-□□□□		1	1 unit	1CA	85.000
Front main circuit connection, single hole								
II	1000		3WL1210-8□□33-□□□□		1	1 unit	1CA	56.000
	2000		3WL1220-8□□33-□□□□		1	1 unit	1CA	56.000
Front main circuit connection, double hole								
II	1000		3WL1210-8□□34-□□□□		1	1 unit	1CA	56.000
	2000		3WL1220-8□□34-□□□□		1	1 unit	1CA	56.000

Options			Add. price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**	**None**
Operating mechanisms	Manual operating mechanism with mechanical closing	**1AA2**	**None**
	For further Article No. supplements, see page 1/44		

Size	Max. rated circuit breaker current $I_{n\,max}$	DT	4-pole non-automatic air circuit breakers (DC) Article No.: www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A							kg
Horizontal main circuit connection								
I[3]	2000		3WL1120-8□□42-□□□□		1	1 unit	1CA	50.000
II	1000		3WL1210-8□□42-□□□□		1	1 unit	1CA	67.000
	2000		3WL1220-8□□42-□□□□		1	1 unit	1CA	67.000
	4000[1]		3WL1240-8□□42-□□□□		1	1 unit	1CA	77.000
Vertical main circuit connection								
I[3]	2000		3WL1120-8□□41-□□□□		1	1 unit	1CA	50.000
II	1000		3WL1210-8□□41-□□□□		1	1 unit	1CA	75.000
	2000		3WL1220-8□□41-□□□□		1	1 unit	1CA	75.000
	4000[1]		3WL1240-8□□41-□□□□		1	1 unit	1CA	103.000
Front main circuit connection, single hole								
II	1000		3WL1210-8□□43-□□□□		1	1 unit	1CA	67.000
	2000		3WL1220-8□□43-□□□□		1	1 unit	1CA	67.000
Front main circuit connection, double hole								
II	1000		3WL1210-8□□44-□□□□		1	1 unit	1CA	67.000
	2000		3WL1220-8□□44-□□□□		1	1 unit	1CA	67.000

Options			Add. price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**	**None**
Operating mechanisms	Manual operating mechanism with mechanical closing	**1AA2**	**None**
	For further Article No. supplements see page 1/44		

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

3WL12.0-8....-....-Z
□ □ □

Condition	Size	Rated current I_n				Additional price 3-pole	Additional price 4-pole
Rated voltage 1000 V DC	II	Up to 2000 A	**A**	**0**	**5**	✓	✓
		Up to 4000 A	**A**	**0**	**5**	✓	✓

Note

For voltages over 600 V use the version for 1000 V DC rated voltage for size II: Order with "-Z" and order code "A05". All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see "3WL1 Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", from page 1/45. An external overload and short-circuit protection device is available from the company "mat" for the 3WL1 non-automatic air circuit breakers. Available only directly from the company "mat" – Maschinen- und Anlagentechnik (for the address, see page 1/78).

1) Provisions to dissipate heat must be made on the line side.
2) For permissible rated short-time current I_{cw} and short-circuit breaking capacity I_{cc} for non-automatic air circuit breakers, see page 1/13.
3) 3WL1120-8 DC non-automatic air circuit breakers are designed for a rated voltage of 1000 V DC.
✓ Additional price

* You can order this quantity or a multiple thereof.

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Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max}$	DT	3-pole non-automatic air circuit breakers (DC) Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A							kg
Without guide frames (for guide frames, see page 1/79)								
II	1000		3WL1210-8□□35-□□□□		1	1 unit	1CA	60.000
	2000		3WL1220-8□□35-□□□□		1	1 unit	1CA	60.000
	4000[1]		3WL1240-8□□35-□□□□		1	1 unit	1CA	68.000
With guide frames, horizontal main circuit connection								
II	1000		3WL1210-8□□36-□□□□		1	1 unit	1CA	91.000
	2000		3WL1220-8□□36-□□□□		1	1 unit	1CA	91.000
	4000[1]		3WL1240-8□□36-□□□□		1	1 unit	1CA	113.000
With guide frames, vertical main circuit connection								
II	1000		3WL1210-8□□37-□□□□		1	1 unit	1CA	91.000
	2000		3WL1220-8□□37-□□□□		1	1 unit	1CA	91.000
	4000[1]		3WL1240-8□□37-□□□□		1	1 unit	1CA	121.000
With guide frames, connecting flanges								
II	1000		3WL1210-8□□38-□□□□		1	1 unit	1CA	91.000
	2000		3WL1220-8□□38-□□□□		1	1 unit	1CA	91.000
	4000[1]		3WL1240-8□□38-□□□□		1	1 unit	1CA	113.000

Options				Add. price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Operating mechanisms	Manual operating mechanism with mechanical closing		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).			**3WL12.0-8..3.-....-Z** □ □ □	Additional price 3-pole
Condition	Size	Rated current I_n		
Rated voltage 1000 V DC	II[4]	Up to 2000 A	**A 0 5**	✓
		Up to 4000 A	**A 0 5**	✓
Tinned version of the customer's connections on the guide frame[3] Only for circuit breakers in withdrawable version with horizontal connection or flange connection. The normal delivery time increases to 15 work days.	II		**A 0 8**	✓

Note

For voltages over 600 V use the version for 1000 V DC rated voltage: Order with "-Z" and order code "A05".

All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see "3WL1 Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", from page 1/45.

An external overload and short-circuit protection device is available from the company "mat" for the 3WL1 non-automatic air circuit breakers.

Available only directly from the company "mat" – Maschinen- und Anlagentechnik (for the address, see page 1/78).

✓ Additional price

1) Provisions to dissipate heat must be made on the line side.

2) For permissible rated short-time current I_{cw} and short-circuit breaking capacity I_{cc} for non-automatic air circuit breakers, see page 1/13.

3) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

4) If ordering withdrawable circuit breaker and guide frame separately, specify order code "A05" for withdrawable circuit breaker and guide frame.

*** You can order this quantity or a multiple thereof.**

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3- and 4-pole, withdrawable versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max}$	DT	4-pole non-automatic air circuit breakers (DC) Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A							kg
Without guide frames (for guide frames, see page 1/79)								
II	1000		3WL1210-8□□45-□□□□		1	1 unit	1CA	75.000
	2000		3WL1220-8□□45-□□□□		1	1 unit	1CA	75.000
	4000[1]		3WL1240-8□□45-□□□□		1	1 unit	1CA	82.000
With guide frames, horizontal main circuit connection								
II	1000		3WL1210-8□□46-□□□□		1	1 unit	1CA	109.000
	2000		3WL1220-8□□46-□□□□		1	1 unit	1CA	109.000
	4000[1]		3WL1240-8□□46-□□□□		1	1 unit	1CA	136.000
With guide frames, vertical main circuit connection								
II	1000		3WL1210-8□□47-□□□□		1	1 unit	1CA	109.000
	2000		3WL1220-8□□47-□□□□		1	1 unit	1CA	109.000
	4000[1]		3WL1240-8□□47-□□□□		1	1 unit	1CA	146.000
With guide frames, connecting flanges								
II	1000		3WL1210-8□□48-□□□□		1	1 unit	1CA	109.000
	2000		3WL1220-8□□48-□□□□		1	1 unit	1CA	109.000
	4000[1]		3WL1240-8□□48-□□□□		1	1 unit	1CA	136.000

Options				Add. price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Operating mechanisms	Manual operating mechanism with mechanical closing		**1AA2**	**None**
	For further Article No. supplements, see page 1/44			

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).			**3WL12.0-8..4.-....-Z** □ □ □	Additional price 4-pole
Condition	Size	Rated current I_n		
Rated voltage 1000 V DC	II[4]	Up to 2000 A	**A 0 5**	✓
		Up to 4000 A	**A 0 5**	✓
Tinned version of the customer's connections on the guide frame[3] Only for circuit breakers in withdrawable version with horizontal connection or flange connection. The normal delivery time increases to 15 work days.	II		**A 0 8**	✓

Note

For voltages over 600 V use the version for 1000 V DC rated voltage: Order with "-Z" and order code "A05".

All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see "3WL1 Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", from page 1/45.

An external overload and short-circuit protection device is available from the company "mat" for the 3WL1 non-automatic air circuit breakers.

Available only directly from the company "mat" – Maschinen- und Anlagentechnik[5].

✓ Additional price

1) Provisions to dissipate heat must be made on the line side.

2) For permissible rated short-time current I_{cw} and short-circuit breaking capacity I_{cc} for non-automatic air circuit breakers, see page 1/13.

3) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

4) If ordering withdrawable circuit breaker and guide frame separately, specify order code "A05" for withdrawable circuit breaker and guide frame.

5) **mat – Maschinen- und Anlagentechnik**
Dr. Becker GmbH
Rudolf-Diesel-Strasse 22
D-22941 Bargteheide
Tel.: +49 (45 32) 20-2101
Fax: +49 (45 32) 20-2121
E-mail: info@m-a-t.de
Internet: www.m-a-t.de

*** You can order this quantity or a multiple thereof.**

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Selection and ordering data

Guide frames for DC non-automatic air circuit breakers

Size	Max. rated circuit breaker current $I_{n\,max}$	DT	**Guide frames for 3-pole non-automatic air circuit breakers** Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A							kg
Front main circuit connection, single hole								
II	2000		3WL9212-3DA□□-□□A1		1	1 unit	1CA	31.000
Front main circuit connection, double hole								
II	2000		3WL9212-3DB□□-□□A1		1	1 unit	1CA	31.000
Horizontal main circuit connection								
II	2000		3WL9212-3DC□□-□□A1		1	1 unit	1CA	31.000
	4000		3WL9212-6DC□□-□□A1		1	1 unit	1CA	60.000
Vertical main circuit connection								
II	2000		3WL9212-3DD□□-□□A1		1	1 unit	1CA	31.000
	4000		3WL9212-6DD□□-□□A1		1	1 unit	1CA	60.000
Main circuit connection connecting flanges								
II	2000		3WL9212-3DE□□-□□A1		1	1 unit	1CA	31.000
	4000		3WL9212-6DE□□-□□A1		1	1 unit	1CA	60.000

Options						Add. price 3-pole
Number of auxiliary supply connectors	None	**0**				**None**
	1 connector	**1**				
	2 connectors	**2**				✓
	3 connectors	**3**				✓
	4 connectors	**4**				✓
Note						
For table for required number of auxiliary supply connectors, see page 1/51.						
Type of auxiliary circuit connections	None		**0**			**None**
	With screw connection (SI-GUT, standard)		**1**			✓
	With screwless connection method (tension spring)		**2**			✓
Position signaling switches	None			**0**		**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO			**1**		✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO			**2**		✓
Shutters	None				**A**	**None**
	With shutter, 2-part, lockable				**B**	✓

	Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).	**3WL9212-.....-..A1-Z** □ □ □	Additional price
Rated voltage 1000 V DC			
Size II		**A 0 5**	✓
Tinned version of the customer's connections on the guide frame[1] Only for guide frames with horizontal connection or flange connection			
Size II		**A 0 8**	✓
Notes			
• For guide frames for 4-pole DC non-automatic air circuit breakers, see the following page. • All other accessory parts must be ordered by specifying "–Z" and the corresponding order code, see "3WL1 Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", page 1/45 onwards.			

✓ Additional price

1) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

*** You can order this quantity or a multiple thereof.**

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Accessories and spare parts

Size	Max. rated circuit breaker current $I_{n\,max}$	DT	**Guide frames for 4-pole non-automatic air circuit breakers** Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A							kg
Front main circuit connection, single hole								
II	2000		3WL9212-3EA□□-□□A1		1	1 unit	1CA	37.000
Front main circuit connection, double hole								
II	2000		3WL9212-3EB□□-□□A1		1	1 unit	1CA	37.000
Horizontal main circuit connection								
II	2000		3WL9212-3EC□□-□□A1		1	1 unit	1CA	37.000
II	4000		3WL9212-6EC□□-□□A1		1	1 unit	1CA	84.000
Vertical main circuit connection								
II	2000		3WL9212-3ED□□-□□A1		1	1 unit	1CA	37.000
II	4000		3WL9212-6ED□□-□□A1		1	1 unit	1CA	84.000
Main circuit connection connecting flanges								
II	2000		3WL9212-3EE□□-□□A1		1	1 unit	1CA	37.000
II	4000		3WL9212-6EE□□-□□A1		1	1 unit	1CA	84.000

Options							Add. price 4-pole
Number of auxiliary supply connectors	None	**0**					**None**
	1 connector	**1**					
	2 connectors	**2**					✓
	3 connectors	**3**					✓
	4 connectors	**4**					✓
Note							
For table for required number of auxiliary supply connectors, see page 1/51.							
Type of auxiliary circuit connections	None		**0**				**None**
	With screw connection (SI-GUT, standard)		**1**				✓
	With screwless connection method (tension spring)		**2**				✓
Position signaling switches	None			**0**			**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO			**1**			✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO			**2**			✓
Shutters	None				**A**		**None**
	With shutter, 2-part, lockable				**B**		✓

	Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).	**3WL9212-.....-..A1-Z** □ □ □	Additional price
Rated voltage 1000 V DC			
Size II		**A 0 5**	✓
Tinned version of the customer's connections on the guide frame[1] Only for guide frames with horizontal connection or flange connection			
Size II		**A 0 8**	✓
Notes			
• For guide frames for 3-pole DC non-automatic air circuit breakers see previous page. • All other accessory parts must be ordered by specifying "–Z" and the corresponding order code, see "3WL1 Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", page 1/45 onwards.			

[1] The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

* You can order this quantity or a multiple thereof.

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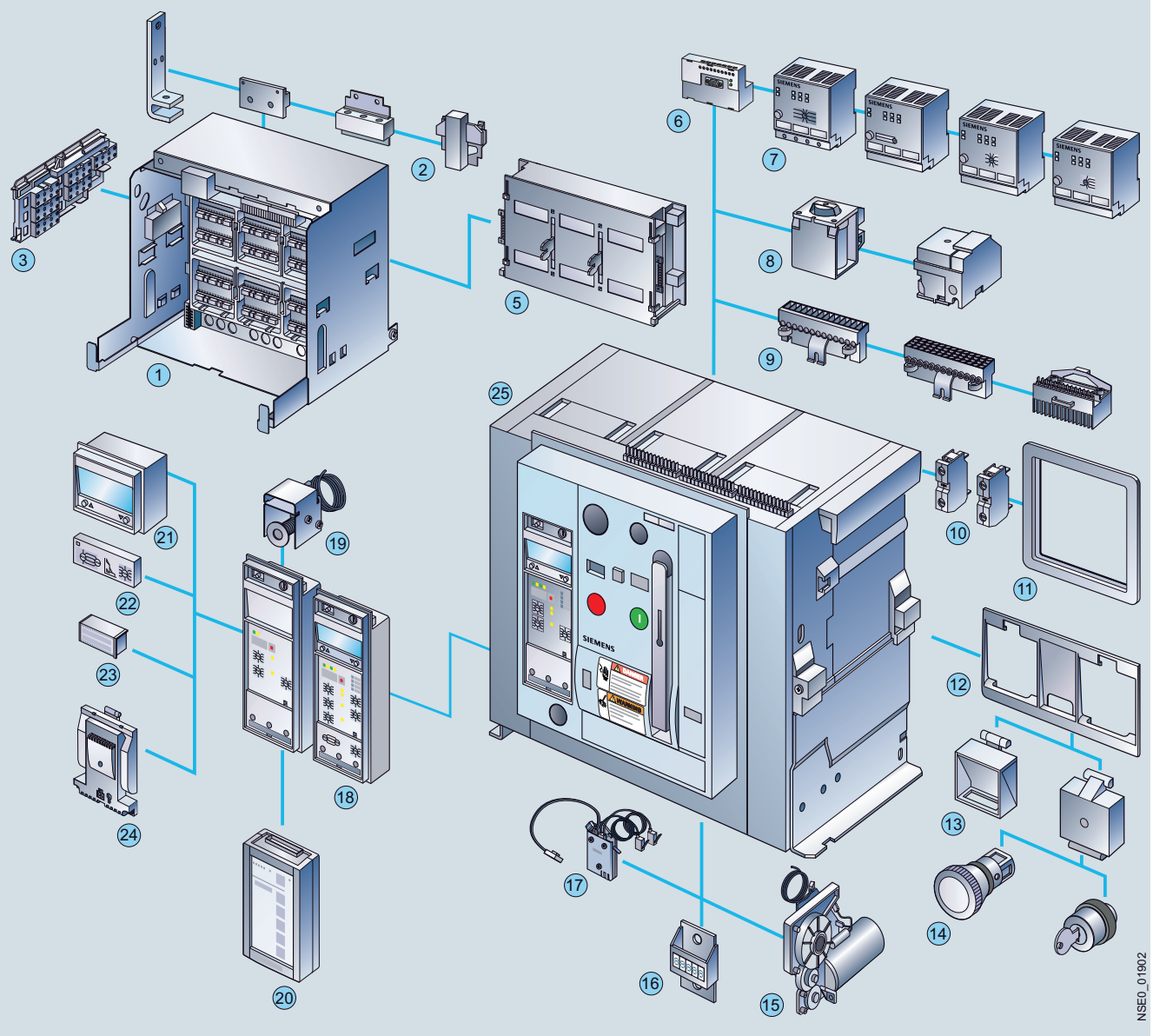
Overview

3WL5:
Superior individual products integrated into uniform power distribution systems – up to and including industry-specific industrial and infrastructure solutions



① Guide frame, see page 1/102
② Main circuit connection front, flange, horizontal, vertical see page 1/98 and page 1/114
③ Position signaling switch, see page 1/97 and page 1/108
⑤ Shutters, see page 1/97
⑥ COM15 PROFIBUS module or COM16 MODBUS module, see page 1/113
⑦ External **Cubicle**BUS modules, see page 1/112
⑧ Closing coil, auxiliary release, see page 1/95
⑨ Auxiliary conductor plug-in system, see page 1/98
⑩ Auxiliary switch block, see page 1/95
⑪ Door sealing frame, see page 1/96
⑫ Interlocking set for mechanical ON/OFF, see page 1/105
⑬ Transparent panel, function insert, see page 1/105
⑭ EMERGENCY-STOP pushbutton, key operated, see page 1/108
⑮ Motorized operating mechanism, see page 1/97
⑯ Operating cycles counter, see page 1/96
⑰ Breaker Status Sensor (BSS), see page 1/98
⑱ Protective devices with device holder, Electronic Trip Unit (ETU) see page 1/104
⑲ Remote reset solenoid, see page 1/96
⑳ Breaker Data Adapter (BDA Plus), see page 1/112
㉑ Four-line display, see page 1/104
㉒ Ground-fault protection module, see page 1/104
㉓ Rating plug, see page 1/96
㉔ Metering function module, see page 1/98
㉕ Air circuit breaker, see page 1/89 to page 1/94

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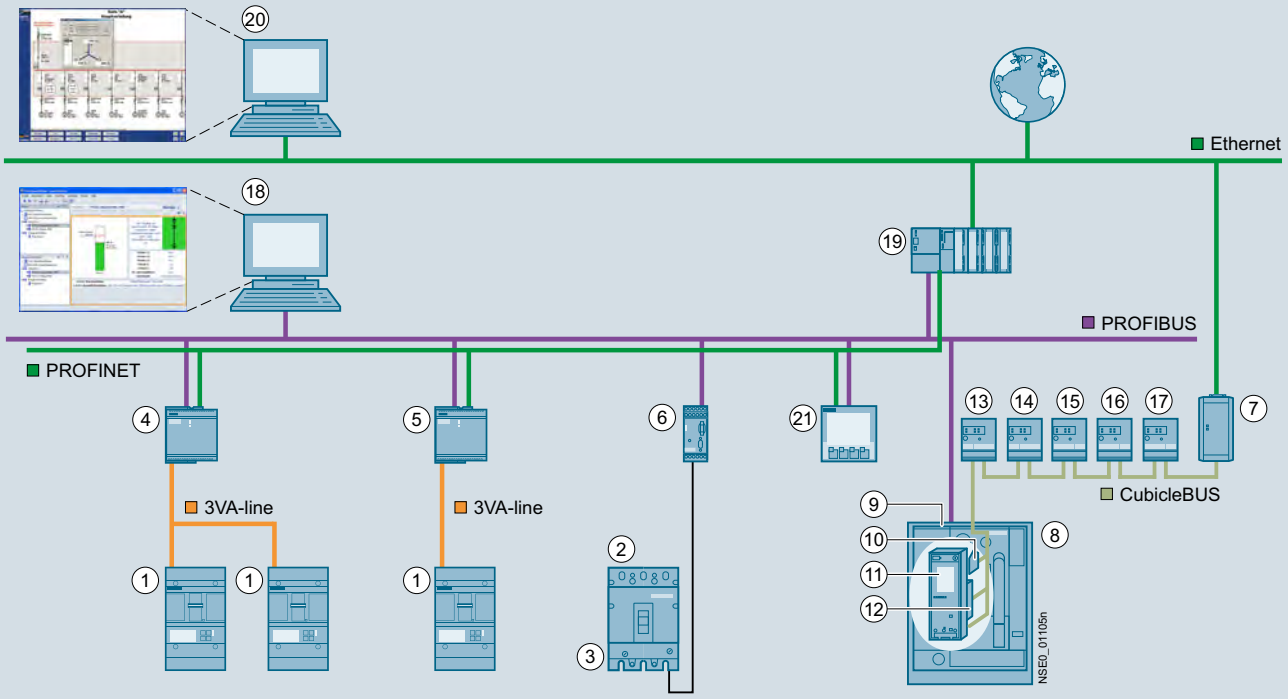
Introduction

Communication-capable circuit breakers (with ETU45B Electronic Trip Unit)



1 3VA molded case circuit breakers
2 3VL molded case circuit breakers
3 Electronic trip unit ETU / LCD ETU
4 COM800 breaker data server
5 COM100 breaker data server
6 COM20 Release 2 PROFIBUS module including Zone Selective Interlocking
7 BDA *Plus* with Ethernet interface
8 3WL air circuit breaker
9 COM15 PROFIBUS module
10 Breaker status sensor (BSS)
11 Electronic trip unit (ETU)
12 Measurement function *Plus*
13 Zone Selective Interlocking module
14 Digital output module with relay contacts
15 Digital output module with relay contacts, configurable
16 Analog output modules
17 Digital input modules
18 Configuration software powerconfig V2.3 and higher
19 PLC, e.g. SIMATIC S7
20 E.g. SIMATIC powerrate
21 7KM PAC measuring devices

Characteristics

- Coordinated communication concept using the PROFIBUS DP or MODBUS, ranging from 16 A to 5000 A with 3VL molded case circuit breakers and 3WL5 air circuit breakers
- The high level of modularity of circuit breakers and accessories allows easy retrofitting of all communication components
- Significant additional benefits for the switchgear due to the possibility of linking up external input and output modules to the circuit breaker-internal **Cubicle**BUS of the 3WL5 air circuit breaker
- Innovative software products for parameterization, operation, monitoring, and diagnostics of circuit breakers, both locally or via PROFIBUS DP, MODBUS or Ethernet/Intranet/Internet
- Complete integration of the circuit breakers into the Totally Integrated Power and Totally Integrated Automation solutions

Communication:

- For air circuit breakers with optional communication function (ETU45B Electronic Trip Units) see page 1/104.
- For accessories, see page 1/101 to page 1/116.
- For more information, See chapter "Measuring Devices and Power Monitoring".

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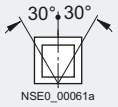
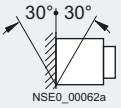
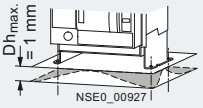
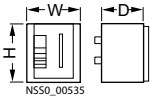
Technical specifications

Size			I		II
Type			**3WL5110**	**3WL5116**	**3WL5120**
Number of poles			3-pole, 4-pole		
Rated current I_n at 50/60 Hz					
Main conductor	At 40 °C	A	Up to 1000	1600	2000
	At 55 °C	A	1000	1600	2000
	At 60 °C	A	1000	1600	2000
Rated voltage U_e at 50/60 Hz		V AC	600 Y/347	600 Y/347	600
Rated ultimate short-circuit breaking capacity at 500 V AC		kA	65 (480 V)		100 (480 V)
Ambient temperature of the system		°C	–25/+40	–25/+40	–25/+40
Power loss at rated current					
With 3-phase symmetrical load					
• Fixed-mounted circuit breakers		W	100	150	180
• Withdrawable circuit breakers		W	195	350	320
Switching times					
• Make time		ms	35	35	35
• Opening time		ms	38	38	34
• Electrical make time (through activation solenoid)[1]		ms	80	80	100
• Electrical opening time (through shunt release)		ms	73	73	73
• Electrical opening time (instantaneous undervoltage release)		ms	73	73	73
• Opening time due to ETU, instantaneous short-circuit release		ms	50	50	50
Endurance					
• Mechanical (without maintenance)		Operating cycles	10000	10000	10000
• Electrical (without maintenance)		Operating cycles	4000	4000	4000
Switching frequency		1/h	60	60	60
Minimum interval between tripping operation by electronic trip unit and next making operation of the circuit breaker (only with autom. mechanical resetting of the lockout device)		ms	80	80	80
Minimum dimension of circuit breaker compartment					
Width × Height × Depth	3-pole	mm	400 × 460 × 380	400 × 460 × 380	500 × 460 × 380
	4-pole	mm	500 × 460 × 380	500 × 460 × 380	600 × 460 × 380
Degree of protection					
• With cover			IP55		
• Without cover (with door sealing frame)			IP41		
Mounting position			 NSE0_00061a and/or  NSE0_00062a		 NSE0_00927
Main conductor minimum cross-sections		Unit(s) mm² inches	2 6.4 × 76.2 1/4 × 3	2 6.4 × 76.2 1/4 × 3	2 6.4 × 102 1/4 × 4
Auxiliary conductors (Cu)	Standard connection = strain-relief clamp				
Max. number Auxiliary conductors × cross-section (solid/stranded)	• Without end sleeve		2 × 0.5 mm² (AWG 20) to 2 × 1.5 mm² (AWG 16); 1 × 2.5 mm² (AWG 14)		
	• With end sleeve acc. to DIN 46228 Part 2[2]		1 × 0.5 mm² (AWG 20) to 1 × 1.5 mm² (AWG 16)		
	• With twin end sleeve		2 × 0.5 mm² (AWG 20) to 2 × 1.5 mm² (AWG 16)		
	Optional connection = tension spring				
	• Without end sleeve		2 × 0.5 mm² (AWG 20) to 2 × 2.5 mm² (AWG 14)		
	• With end sleeve acc. to DIN 46228 Part 2		2 × 0.5 mm² (AWG 20) to 2 × 1.5 mm² (AWG 16)		
Weights					
3-pole	• Fixed-mounted circuit breakers	kg	43	43	56
	• Withdrawable circuit breakers	kg	45	45	60
	• Guide frames	kg	25	25	31
4-pole	• Fixed-mounted circuit breakers	kg	50	50	67
	• Withdrawable circuit breakers	kg	54	54	72
	• Guide frames	kg	30	30	37
Dimensions 3-/4-pole					
 NSS0_00535		W mm	320/410		460/590
	Fixed-mounted	H mm	434		434
		D mm	291		291
	Withdrawable	H mm	465.5		465.5
		D mm	471		471

[1] Make-time through activation solenoid for synchronization purposes (short-time excited): 50 ms.

[2] Notice: Approval of end sleeves.

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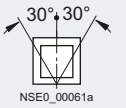
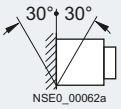
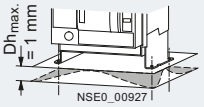
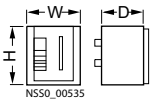
1

General data

Size			II			III	
Type			**3WL5225**	**3WL5230**	**3WL5232**	**3WL5340**	**3WL5350**
Number of poles			3-pole, 4-pole				
Rated current I_n at 50/60 Hz							
Main conductor	At 40 °C	A	2500	3000	3200	4000	5000
	At 55 °C	A	2500	3000	3200	4000	5000
	At 60 °C	A	2500	3000	3200	4000	5000
Rated voltage U_e at 50/60 Hz		V AC	600	600	600	Up to 600 Y/347	Up to 600 Y/347
Rated limit short-circuit breaking capacity at 500 V AC		kA	100 (480 V)			100 (480 V)	
Ambient temperature of the system		°C	–25/+40	–25/+40	–25/+40	–25/+40	–25/+40
Power loss at rated current							
With 3-phase symmetrical load							
• Fixed-mounted circuit breakers		W	270	410	410	520	630
• Withdrawable circuit breakers		W	520	710	710	810	1050
Switching times							
• Make time		ms	35	35	35	35	35
• Opening time		ms	34	34	34	34	34
• Electrical make time (through activation solenoid)[1]		ms	100	100	100	100	100
• Electrical opening time (through shunt release)		ms	73	73	73	73	73
• Electrical opening time (instantaneous undervoltage release)		ms	73	73	73	73	73
• Opening time due to ETU, instantaneous short-circuit release		ms	50	50	50	50	50
Endurance							
• Mechanical (without maintenance)	Operating cycles		10000	10000	10000	10000	10000
• Electrical (without maintenance)	Operating cycles		4000	4000	4000	1000	1000
Switching frequency		1/h	60	60	60	60	60
Minimum interval between tripping operation by electronic trip unit and next making operation of the circuit breaker (only with autom. mechanical resetting of the lockout device)		ms	80	80	80	80	80
Minimum dimension							
Circuit breaker compartment Width × Height × Depth	3-pole without A17	mm	500 × 460 × 380	500 × 460 × 380	500 × 460 × 380	800 × 460 × 380	800 × 460 × 380
	3-pole with A17	mm	560 × 570 × 500	--	560 × 570 × 500	810 × 570 × 500	--
	4-pole	mm	600 × 460 × 380	--	560 × 570 × 500	1000 × 460 × 380	1000 × 460 × 380
Degree of protection							
• With cover			IP55				
• Without cover (with door sealing frame)			IP41				
Mounting position			 NSE0_00061a and/or  NSE0_00062a			 NSE0_00927	
Main conductor minimum cross-sections		Unit(s)	2 4	4	4	4	4
		mm²	6.4 × 127 6.4 × 63.5	6.4 × 102	6.4 × 102	10 × 120	10 × 120
		inches	1/4 × 5 1/4 × 2–1/2	1/4 × 4	1/4 × 4	1/4 × 5[2]	1/4 × 5[2]
Auxiliary conductors (Cu) Max. number of auxiliary conductors × cross-section (solid/stranded)	Standard connection = strain-relief clamp						
	• Without end sleeve		2 × 0.5 mm² (AWG 20) to 2 × 1.5 mm² (AWG 16); 1 × 2.5 mm² (AWG 14)				
	• With end sleeve acc. to DIN 46228 Part 2		1 × 0.5 mm² (AWG 20) to 1 × 1.5 mm² (AWG 16)				
	• With twin end sleeve		2 × 0.5 mm² (AWG 20) to 2 × 1.5 mm² (AWG 16)				
	Optional connection = tension spring						
	• Without end sleeve		2 × 0.5 mm² (AWG 20) to 2 × 2,5 mm² (AWG 14)				
	• With end sleeve acc. to DIN 46228 Part 2		2 × 0.5 mm² (AWG 20) to 2 × 1.5 mm² (AWG 16)				
Weights							
3-pole	• Fixed-mounted circuit breakers	kg	59	64	64	82	82
	• Withdrawable circuit breakers	kg	63	68	--	88	88
	• Guide frames	kg	39	45	--	60	60
4-pole	• Fixed-mounted circuit breakers	kg	71	77	77	99	99
	• Withdrawable circuit breakers	kg	76	82	--	106	106
	• Guide frames	kg	47	54	--	84	84
Dimensions 3-/4-pole							
 NSS0_00535		W mm	460/590			704/914	
	Fixed-mounted	H mm	434			434	
		D mm	291			291	
	Withdrawable	H mm	465.5			465.5	
		D mm	471			471	

[1] Make-time through activation solenoid for synchronization purposes (short-time excited) 50 ms.

[2] 1/4 × 5 for fixed-mounted circuit breakers on request.

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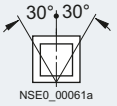
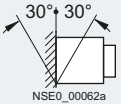
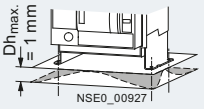
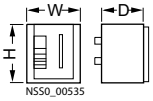
Size			**I**	**II**
Type			**3WL5120-8AA...**	**3WL5232-8AA...**
No. of poles			4-pole	3-pole
Rated current I_n at DC according to IEC 60947-2				
Main conductor	At 40 °C	A	2000	3200
	At 55 °C	A	2000	3200
	At 60 °C	A	2000	3200
Rated current I_n at DC according to UL 489B				
Main conductor	At 40 °C	A	1600	3200
	At 55 °C	A	1600	3200
	At 60 °C	A	1600	3200
Rated voltage U_e at 50/60 Hz		V AC	1000	690
Ambient temperature of the system		°C	–25/+40	–25/+40
Power loss at rated current				
With 3-phase symmetrical load				
• Fixed-mounted circuit breakers		W	100	410
• Withdrawable circuit breakers		W	--	--
Switching times				
• Make time		ms	35	35
• Opening time		ms	38	34
• Electrical make time (through activation solenoid)[1]		ms	80	100
• Electrical opening time (through shunt release)		ms	73	73
• Electrical opening time (instantaneous undervoltage release)		ms	73	73
• Opening time due to ETU, instantaneous short-circuit release		ms	50	50
Endurance				
• Mechanical (without maintenance)		Operating cycles	10000	10000
• Electrical (without maintenance)		Operating cycles	1000	1000
Switching frequency		1/h	60	60
Minimum interval between tripping operation by electronic trip unit and next making operation of the circuit breaker (only with autom. mechanical resetting of the lockout device)		ms	80	80
Minimum dimension				
Circuit breaker compartment				
Width × Height × Depth		mm	560 × 570 × 500	560 × 570 × 500
Degree of protection				
• With cover			IP55	
• Without cover (with door sealing frame)			IP41	
Mounting position			 NSE0_00061a and/or  NSE0_00062a  NSE0_00927	
Main conductor minimum cross-sections		Unit(s) mm² inches	2 6.4 × 76.2 1/4 × 3	4 6.4 × 102 1/4 × 4
Auxiliary conductors (Cu)	Standard connection = strain-relief clamp			
Max. number of auxiliary conductors × cross-section (solid/stranded)	• Without end sleeve		2 × 0.5 mm² (AWG 20) to 2 × 1.5 mm² (AWG 16); 1 × 2.5 mm² (AWG 14)	
	• With end sleeve acc. to DIN 46228 Part 2		1 × 0.5 mm² (AWG 20) to 1 × 1.5 mm² (AWG 16)	
	• With twin end sleeve		2 × 0.5 mm² (AWG 20) to 2 × 1.5 mm² (AWG 16)	
	Optional connection = tension spring			
	• Without end sleeve		2 × 0.5 mm² (AWG 20) to 2 × 2,5 mm² (AWG 14)	
	• With end sleeve acc. to DIN 46228 Part 2		2 × 0.5 mm² (AWG 20) to 2 × 1.5 mm² (AWG 16)	
Weights				
3-pole	• Fixed-mounted circuit breakers	kg	50	64
Dimensions 3-/4-pole				
 NSS0_00535		W mm	320/410	460/590
	Fixed-mounted	H mm	434	434
		D mm	291	291
	Withdrawable	H mm	465.5	465.5
		D mm	471	471

[1] Make-time through activation solenoid for synchronization purposes (short-time excited) 50 ms.

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General data

Size		I	II	III
Type		**3WL51**	**3WL52**	**3WL53**
Breaking capacity class		**S** (S)	**H** (H)	**H** (H)
Short-circuit breaking capacity $I_{cu} = I_{cs}$ according to UL 489				
Up to 480 V AC	kA	65	100	100
Up to 600 V Y/347 V AC	kA	50	85[1)]	85
Up to 600 V AC	kA	--	85	--
Rated short-time withstand current according to UL 489				
At max. delay time t_{sd} = 0.4 s	kA	65	85	85
Short-circuit breaking capacity $I_{cu} = I_{cs}$ according to IEC 60947-2				
Up to 500 V AC	kA	65	100	100
I_{cm} at 500 V AC	kA	143	220	220
Up to 690 V AC	kA	50	85	85
I_{cm} at 690 V AC	kA	105	187	187
Rated short-time withstand current I_{cw} according to IEC 60947-2				
0.5 s	kA	65	85	85
1 s	kA	50	80	80

1) 600 V AC (delta) covered by test.

(S)	Circuit breakers with standard breaking capacity S ($I_{cu} = I_{cs}$ up to 65 kA at 480 V)
(H)	Circuit breakers with high breaking capacity H ($I_{cu} = I_{cs}$ up to 100 kA at 480 V)
	These circuit breakers are shown in the technical specifications on orange backgrounds.

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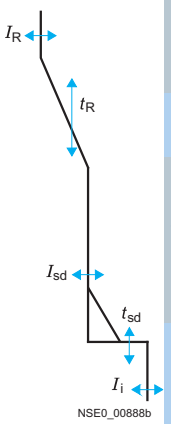
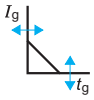
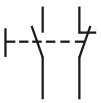
Protection functions Parameterization by			ETU25B D	ETU45B D & S
Function overview of the electronic trip system				
 NSE0_00888b	L	**Overload protection**	✓	✓
		Setting range $I_R = I_n \times$ ...	0.4-0.45-0.5-0.55-0.6-0.65-0.7-0.8-0.9-1	0.4-0.45-0.5-0.55-0.6-0.65-0.7-0.8-0.9-1
		Switchable overload protection (I^2t- or I^4t-dependent function)	--	✓
		Setting range for time-lag class t_R at I^2t	10 s fixed	2-3-5-5.5-8-10-14-17-21-25-30 s
		Setting range for time-lag class t_R at I^4t	--	1-2-3-4-5 s
		Thermal image can be switched on/off	--	✓
		Phase failure sensitivity	At t_{sd} = 20 ms (M)	At t_{sd} = 20 ms (M)
	N	**N-conductor protection**	--	✓
		Function can be switched on/off	--	✓
		N conductor setting range $I_N = I_n \times$ ...	--	0,5 ... 1
	S	**Short-time delayed short-circuit protection**	✓	✓
		Function can be switched on/off	--	✓
		Setting range $I_{sd} = I_n \times$ ...	1.25-1.5-2-2.5-3-4-6-8-10-12	1.25-1.5-2-2.5-3-4-6-8-10-12
		Setting range for delay time t_{sd}	0-M-100-200-300-400 ms	M-100-200-300-400 ms
		Switchable short-time delayed short-circuit protection (I^2t-dependent function)	--	✓
		Setting range for delay time t_{sd} at I^2t	--	100-200-300-400 ms
		ZSI function	--	By **Cubicle**BUS module
	I	**Instantaneous short-circuit protection**	✓	✓
		Function can be switched on/off	--	✓
		Setting range $I_i = I_n \times$ ...	Fixed for $I_i \geq 20 \times I_n$, max. 50 kA	1.5-2.2-3-4-6-8-10-12-0.8 × I_{cs}
 NSE0_00889a	G	**Ground-fault protection**	--	❑ Module can be retrofitted
		Tripping and alarm functions	--	✓
		Tripping function can be switched on/off	--	✓
		Recording of the ground-fault current via summation current formation with internal or external N-conductor transformer	--	✓
		Recording of the ground-fault current via external transformer	--	✓
		Setting range of the operating current I_g for tripping	--	A-B-C-D-E
		Setting range of the operating current I_g for alarm	--	A-B-C-D-E
		Setting range of the delay time t_g	--	100-200-300-400-500 ms
		Switchable ground-fault protection characteristic curve (I^2t-dependent function)	--	✓
		Setting range for delay time t_g at I^2t	--	100-200-300-400-500 ms
		ZSI-G function	--	By **Cubicle**BUS module
LCD				
		Alphanumeric LCD (4-line)	--	❑
Communication				
		CubicleBUS integrated	--	✓
		Communications capability via PROFIBUS DP	--	✓
		Communications capability via MODBUS	--	✓
Measuring function				
		Measurement function *Plus*	--	❑
LED display				
		Electronic trip unit active	✓	✓
		Alarm	✓	✓
		ETU fault	✓	✓
NSE0_00890		L tripping operation	✓	✓
		S tripping operation	✓	✓
		I tripping operation	✓	✓
		N tripping operation	--	✓
		G tripping operation	--	✓ (Only with ground-fault protection module)
		G alarm	--	✓ (Only with ground-fault protection module)
		Tripping operation as a result of extended protection function	--	✓
		Communication	--	✓
Signals from signaling switches with external CubicleBUS **module (relay)**				
		Overload warning	--	✓
		Load shedding, load absorbing	--	✓
		Leading signal overload trip 200 ms	--	✓
		Temperature alarm	--	✓
 NSE0_00891		Phase unbalance	--	✓
		Instantaneous short-circuit trip	--	✓
		Short-time delayed short-circuit trip	--	✓
		Overload trip	--	✓
		Neutral conductor trip	--	✓
		Ground-fault protection trip	--	✓ (Only with ground-fault protection module)
		Ground-fault alarm	--	✓ (Only with ground-fault protection module)
		Auxiliary relay	--	✓
		ETU fault	--	✓

Delay time figures given in ms.
M = Motor protection, corresponds to 20 ms.
D = Rotary coding switch
D & S = Rotary coding and slide switch
✓ Available.
-- Not available.
❑ Optional.

Setting range of the operating current I_g		
	Size I and size II	**Size III**
A	100 A	400 A
B	300 A	600 A
C	600 A	800 A
D	900 A	1000 A
E	1200 A	1200 A

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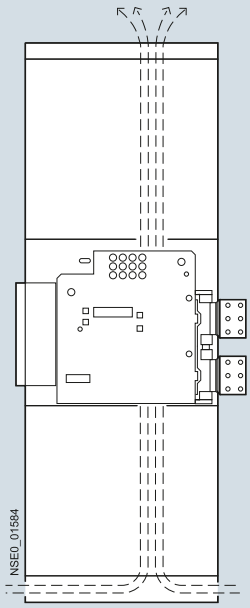
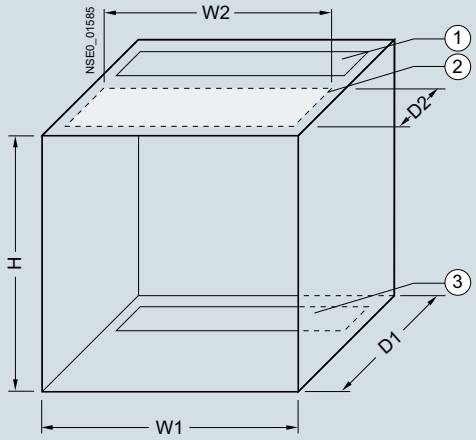
General data

Installation conditions for UL circuit breakers





① Ventilation opening on top
② Insulation plate, e.g. NEMA GPO-3 material, min. 2.3 mm thick
③ Ventilation opening on bottom

Size	$I_{n\ max}$	Minimum dimensions of the installation space			Dimensions of the insulation plate		Ventilation
		Width W1 3/4-pole	Height H	Depth D1	Width W2 3/4-pole	Depth D2	
	A						
I	800, 1000	400/500	460[1)]	380	350/450	300	Not required
I	1250, 1600	400/500	460[1)]	380	350/450	300	
II	800, 1600, 2000	500/600	460[1)]	380	450/550	300	Not required
II	2000	500/600	460[1)]	380	450/550	300	
II	3000/3200	500/600	460[1)]	380	450/550	300	
III	4000	800/1000	460[1)]	380	750/900	300	Not required
III	5000	800/1000	460[1)]	380	750/900	300	

[1)] Height of installation compartment applies in case of roof insulation or for guide frame with arcing space cover.

UL certificate

3WL5 circuit breakers are not listed by Underwriters Laboratories (UL) under the Article No. but as individual components with their corresponding article numbers.

The UL designation of the basic circuit breaker (without electronic trip unit, auxiliary release, auxiliary switch, ...) is visible on the operator panel.

Designation of basic circuit breaker:

3WL5106-3 F 3 2
① ②③④

Digit	Meaning		
①	Article No.	1st to 8th digit	
②	Version	F: Fixed-mounted	D: Withdrawable versions
③	Number of poles		
④	12th digit	1, 2, 3, 4: Fixed-mounted connection types	5, 6, 7, 8: Withdrawable version connection types

The file numbers are:

E231263 for circuit breakers
E236088 for accessories
E236299 for guide frames

The file number can be called up at the following Internet site:

http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/gfilenbr.html

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Benefits

Low space requirements

The 3WL5 air circuit breakers require very little space. Size I devices (up to 1600 A) fit into a 400 mm wide switchboard panel. Size III devices (up to 5000 A) are the smallest of their kind and with their construction width of 704 mm fit into an 800 mm wide switchboard panel.

Modular design

Components such as auxiliary releases, motorized operating mechanisms, electronic trip units, current sensors, auxiliary circuit signaling switches, automatic reset devices, interlocks and engagement operating mechanisms can all be exchanged or retrofitted at a later stage, thus allowing the circuit breaker to be adapted to new, changing requirements.

Retrofittable modules for Electronic Trip Units

Modularity is one of the main features of the new 3WL5 circuit breakers.
Special LCDs, ground-fault modules, rating plugs and communication modules for the Electronic Trip Units are available for fast and easy retrofitting and adaptation to changing requirements.

Communication

The use of modern communication-capable circuit breakers opens up completely new possibilities in terms of start-up, parameterization, diagnostics, maintenance and operation. This allows many different ways of reducing costs and improving productivity in industrial plants, buildings and infrastructure projects to be achieved.

- Timely information and response can prevent plant stoppages
- Effective diagnostics management
- Measured values are the basis for efficient load management, for drawing up power demand profiles and for allocating energy to cost centers
- Preventive maintenance reduces the risk of expensive plant downtimes

Application

- As incoming-feeder, distribution, tie, and outgoing-feeder circuit breakers in electrical installations.
- For switching and protecting motors, capacitors, generators, transformers, busbars and cables.

When connected to an electronic I&C system, the 3WL5 air circuit breakers offer a wide range of options for monitoring network events.

The extensive, coordinated SENTRON range of devices covers applications between 16 A and 5000 A with molded case and air circuit breakers.

Standards

3WL5 circuit breakers comply with:

- UL 489, UL 489B
- IEC 60947-2
- IEC 60947-2 Appendix F/CISPR 11/22 Class B
- DIN VDE 0660 Part 101
- Climate-proof according to IEC 60068-2-30
- CCC requirements

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3-pole, fixed-mounted versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity 480 V	DT	Article No. www.siemens.com/product?Article No. Article No. supplements see page 1/95	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Horizontal main circuit connection										
I	1000	1000	65		3WL5110-3□□32-□□□□		1	1 unit	1CA	43.000
I	1600	1600	65		3WL5116-3□□32-□□□□		1	1 unit	1CA	43.000
II	2000	2000	100		3WL5220-4□□32-□□□□		1	1 unit	1CA	56.000
II	2500	2500	100		3WL5225-4□□32-□□□□		1	1 unit	1CA	59.000
II	3000	3000	100		3WL5230-4□□32-□□□□		1	1 unit	1CA	64.000
III	4000	4000	100		3WL5340-4□□32-□□□□		1	1 unit	1CA	82.000
III	5000	5000	100		3WL5350-4□□32-□□□□		1	1 unit	1CA	82.000
Vertical main circuit connection										
I	1000	1000	65		3WL5110-3□□31-□□□□		1	1 unit	1CA	43.000
I	1600	1600	65		3WL5116-3□□31-□□□□		1	1 unit	1CA	43.000
II	2000	2000	100		3WL5220-4□□31-□□□□		1	1 unit	1CA	56.000
II	2500	2500	100		3WL5225-4□□31-□□□□		1	1 unit	1CA	59.000
II	3000	3000	100		3WL5230-4□□31-□□□□		1	1 unit	1CA	64.000
II[2]	3200	3200	100		3WL5232-4□□31-□□□□		1	1 unit	1CA	64.000
III	4000	4000	100		3WL5340-4□□31-□□□□		1	1 unit	1CA	82.000
III	5000	5000	100		3WL5350-4□□31-□□□□		1	1 unit	1CA	82.000
Front main circuit connection, single hole										
I	1000	1000	65		3WL5110-3□□33-□□□□		1	1 unit	1CA	43.000
I	1600	1600	65		3WL5116-3□□33-□□□□		1	1 unit	1CA	43.000
II	2000	2000	100		3WL5220-4□□33-□□□□		1	1 unit	1CA	56.000
II	2500	2500	100		3WL5225-4□□33-□□□□		1	1 unit	1CA	59.000
II	3000	3000	100		3WL5230-4□□33-□□□□		1	1 unit	1CA	64.000
III	4000	4000	100		3WL5340-4□□33-□□□□		1	1 unit	1CA	82.000
Front main circuit connection, double hole										
I	1000	1000	65		3WL5110-3□□34-□□□□		1	1 unit	1CA	43.000
I	1600	1600	65		3WL5116-3□□34-□□□□		1	1 unit	1CA	43.000
II	2000	2000	100		3WL5220-4□□34-□□□□		1	1 unit	1CA	56.000
II	2500	2500	100		3WL5225-4□□34-□□□□		1	1 unit	1CA	59.000
II	3000	3000	100		3WL5230-4□□34-□□□□		1	1 unit	1CA	64.000
III	4000	4000	100		3WL5340-4□□34-□□□□		1	1 unit	1CA	82.000

Options				Additional price
Non-automatic air circuit breakers[3]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[4]	**EB**		✓
	ETU45B: Protection functions LSIN[4] with 4-line display	**FB**		✓
	ETU45B: Protection functions LSING[4][5]	**EG**		✓
	ETU45B: Protection functions LSING[4][5] with 4-line display	**FG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/95			

Note: Max. voltage for auxiliary circuits 240 V.

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the rated current. If a lower rated current is required, see adaptation by rating plug on page 1/96.

2) Z-Option A17 must usually be ordered in addition.

3) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see Technical Specifications, page 1/83.

4) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/104.

5) For ETU45B with ground-fault protection module GFM AT (alarm and tripping), see page 1/104.

* You can order this quantity or a multiple thereof.

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Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity 480 V	DT	Article No. www.siemens.com/product?Article No. Article No. supplements see page 1/95	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Without guide frames (for guide frames, see page 1/102)										
I	1000	1000	65		3WL5110-3□□35-□□□□		1	1 unit	1CA	45.000
I	1600	1600	65		3WL5116-3□□35-□□□□		1	1 unit	1CA	45.000
II	2000	2000	100		3WL5220-4□□35-□□□□		1	1 unit	1CA	60.000
II	2500	2500	100		3WL5225-4□□35-□□□□		1	1 unit	1CA	63.000
II	3000	3000	100		3WL5230-4□□35-□□□□		1	1 unit	1CA	68.000
III	4000	4000	100		3WL5340-4□□35-□□□□		1	1 unit	1CA	88.000
III	5000	5000	100		3WL5350-4□□35-□□□□		1	1 unit	1CA	88.000
With guide frames, horizontal main circuit connection										
I	1000	1000	65		3WL5110-3□□36-□□□□		1	1 unit	1CA	70.000
I	1600	1600	65		3WL5116-3□□36-□□□□		1	1 unit	1CA	70.000
II	2000	2000	100		3WL5220-4□□36-□□□□		1	1 unit	1CA	91.000
II	2500	2500	100		3WL5225-4□□36-□□□□		1	1 unit	1CA	102.000
II	3000	3000	100		3WL5230-4□□36-□□□□		1	1 unit	1CA	113.000
III	4000	4000	100		3WL5340-4□□36-□□□□		1	1 unit	1CA	148.000
III	5000	5000	100		3WL5350-4□□36-□□□□		1	1 unit	1CA	148.000
With guide frames, vertical main circuit connection										
I	1000	1000	65		3WL5110-3□□37-□□□□		1	1 unit	1CA	70.000
I	1600	1600	65		3WL5116-3□□37-□□□□		1	1 unit	1CA	70.000
II	2000	2000	100		3WL5220-4□□37-□□□□		1	1 unit	1CA	91.000
II	2500	2500	100		3WL5225-4□□37-□□□□		1	1 unit	1CA	102.000
II	3000	3000	100		3WL5230-4□□37-□□□□		1	1 unit	1CA	113.000
III	4000	4000	100		3WL5340-4□□37-□□□□		1	1 unit	1CA	148.000
III	5000	5000	100		3WL5350-4□□37-□□□□		1	1 unit	1CA	148.000
With guide frames, connecting flanges										
I	1000	1000	65		3WL5110-3□□38-□□□□		1	1 unit	1CA	70.000
I	1600	1600	65		3WL5116-3□□38-□□□□		1	1 unit	1CA	70.000
II	2000	2000	100		3WL5220-4□□38-□□□□		1	1 unit	1CA	91.000
II	2500	2500	100		3WL5225-4□□38-□□□□		1	1 unit	1CA	102.000
II	3000	3000	100		3WL5230-4□□38-□□□□		1	1 unit	1CA	113.000
III	4000	4000	100		3WL5340-4□□38-□□□□		1	1 unit	1CA	148.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU45B: Protection functions LSING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/95			

Note: Max. voltage for auxiliary circuits 240 V.

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, see adaptation by rating plug on page 1/95.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see Technical Specifications, page 1/83.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/104.

4) For ETU45B with ground-fault protection module GFM AT (alarm and tripping), see page 1/104.

*** You can order this quantity or a multiple thereof.**

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4-pole, fixed-mounted versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current[1] I_n	Breaking capacity 480 V		Article No. www.siemens.com/product?Article No. Article No. supplements see page 1/95	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA	DT						kg
Horizontal main circuit connection										
I	1000	1000	65		3WL5110-3□□42-□□□□		1	1 unit	1CA	43.000
I	1600	1600	65		3WL5116-3□□42-□□□□		1	1 unit	1CA	43.000
II	2000	2000	100		3WL5220-4□□42-□□□□		1	1 unit	1CA	56.000
II	2500	2500	100		3WL5225-4□□42-□□□□		1	1 unit	1CA	59.000
II	3000	3000	100		3WL5230-4□□42-□□□□		1	1 unit	1CA	64.000
III	4000	4000	100		3WL5340-4□□42-□□□□		1	1 unit	1CA	82.000
III	5000	5000	100		3WL5350-4□□42-□□□□		1	1 unit	1CA	82.000
Vertical main circuit connection										
I	1000	1000	65		3WL5110-3□□41-□□□□		1	1 unit	1CA	43.000
I	1600	1600	65		3WL5116-3□□41-□□□□		1	1 unit	1CA	43.000
II	2000	2000	100		3WL5220-4□□41-□□□□		1	1 unit	1CA	56.000
II	2500	2500	100		3WL5225-4□□41-□□□□		1	1 unit	1CA	59.000
II	3000	3000	100		3WL5230-4□□41-□□□□		1	1 unit	1CA	64.000
III	4000	4000	100		3WL5340-4□□41-□□□□		1	1 unit	1CA	82.000
III	5000	5000	100		3WL5350-4□□41-□□□□		1	1 unit	1CA	82.000
Front main circuit connection, single hole										
I	1000	1000	65		3WL5110-3□□43-□□□□		1	1 unit	1CA	43.000
I	1600	1600	65		3WL5116-3□□43-□□□□		1	1 unit	1CA	43.000
II	2000	2000	100		3WL5220-4□□43-□□□□		1	1 unit	1CA	56.000
II	2500	2500	100		3WL5225-4□□43-□□□□		1	1 unit	1CA	59.000
II	3000	3000	100		3WL5230-4□□43-□□□□		1	1 unit	1CA	64.000
III	4000	4000	100		3WL5340-4□□43-□□□□		1	1 unit	1CA	82.000
Front main circuit connection, double hole										
I	1000	1000	65		3WL5110-3□□44-□□□□		1	1 unit	1CA	43.000
I	1600	1600	65		3WL5116-3□□44-□□□□		1	1 unit	1CA	43.000
II	2000	2000	100		3WL5220-4□□44-□□□□		1	1 unit	1CA	56.000
II	2500	2500	100		3WL5225-4□□44-□□□□		1	1 unit	1CA	59.000
II	3000	3000	100		3WL5230-4□□44-□□□□		1	1 unit	1CA	64.000
III	4000	4000	100		3WL5340-4□□44-□□□□		1	1 unit	1CA	82.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU45B: Protection functions LSING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/95			

Note: Max. voltage for auxiliary circuits 240 V.

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the rated current. If a lower rated current is required, see adaptation by rating plug on page 1/96.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see Technical Specifications, page 1/83.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/104. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/98.

4) For ETU45B with ground-fault protection module GFM AT (alarm and tripping), see page 1/104.

*** You can order this quantity or a multiple thereof.**

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Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\,max.}$	Rated current[1] I_n	Breaking capacity 480 V	DT	Article No. www.siemens.com/product?Article No. Article No. supplements see page 1/95	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	A	kA							kg
Without guide frames (for guide frames, see page 1/102)										
I	1000	1000	65		3WL5110-3□□45-□□□□		1	1 unit	1CA	45.000
I	1600	1600	65		3WL5116-3□□45-□□□□		1	1 unit	1CA	45.000
II	2000	2000	100		3WL5220-4□□45-□□□□		1	1 unit	1CA	60.000
II	2500	2500	100		3WL5225-4□□45-□□□□		1	1 unit	1CA	63.000
II	3000	3000	100		3WL5230-4□□45-□□□□		1	1 unit	1CA	68.000
III	4000	4000	100		3WL5340-4□□45-□□□□		1	1 unit	1CA	88.000
III	5000	5000	100		3WL5350-4□□45-□□□□		1	1 unit	1CA	88.000
With guide frames, horizontal main circuit connection										
I	1000	1000	65		3WL5110-3□□46-□□□□		1	1 unit	1CA	70.000
I	1600	1600	65		3WL5116-3□□46-□□□□		1	1 unit	1CA	70.000
II	2000	2000	100		3WL5220-4□□46-□□□□		1	1 unit	1CA	91.000
II	2500	2500	100		3WL5225-4□□46-□□□□		1	1 unit	1CA	102.000
II	3000	3000	100		3WL5230-4□□46-□□□□		1	1 unit	1CA	113.000
III	4000	4000	100		3WL5340-4□□46-□□□□		1	1 unit	1CA	148.000
III	5000	5000	100		3WL5350-4□□46-□□□□		1	1 unit	1CA	148.000
With guide frames, vertical main circuit connection										
I	1000	1000	65		3WL5110-3□□47-□□□□		1	1 unit	1CA	70.000
I	1600	1600	65		3WL5116-3□□47-□□□□		1	1 unit	1CA	70.000
II	2000	2000	100		3WL5220-4□□47-□□□□		1	1 unit	1CA	91.000
II	2500	2500	100		3WL5225-4□□47-□□□□		1	1 unit	1CA	102.000
II	3000	3000	100		3WL5230-4□□47-□□□□		1	1 unit	1CA	113.000
III	4000	4000	100		3WL5340-4□□47-□□□□		1	1 unit	1CA	148.000
III	5000	5000	100		3WL5350-4□□47-□□□□		1	1 unit	1CA	148.000
With guide frames, connecting flanges										
I	1000	1000	65		3WL5110-3□□48-□□□□		1	1 unit	1CA	70.000
I	1600	1600	65		3WL5116-3□□48-□□□□		1	1 unit	1CA	70.000
II	2000	2000	100		3WL5220-4□□48-□□□□		1	1 unit	1CA	91.000
II	2500	2500	100		3WL5225-4□□48-□□□□		1	1 unit	1CA	102.000
II	3000	3000	100		3WL5230-4□□48-□□□□		1	1 unit	1CA	113.000
III	4000	4000	100		3WL5340-4□□48-□□□□		1	1 unit	1CA	148.000

Options				Additional price
Non-automatic air circuit breakers[2]	Without Electronic Trip Units	**AA**		**None**
Electronic Trip Units	**Versions without ground-fault protection**			
	ETU25B: Protection functions LSI	**CB**		✓
	ETU45B: Protection functions LSIN[3]	**EB**		✓
	ETU45B: Protection functions LSIN[3] with 4-line display	**FB**		✓
	ETU45B: Protection functions LSING[3][4]	**EG**		✓
	ETU45B: Protection functions LSING[3][4] with 4-line display	**FG**		✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO		**1AA2**	**None**
	For further Article No. supplements, see page 1/95			

Note: Max. voltage for auxiliary circuits 240 V.

✓ Additional price

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, see adaptation by rating plug on page 1/96.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers, see Technical Specifications, page 1/83.

3) Current transformers for protection of the N-conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/104. The internal current transformers for N-conductors can be ordered by adding the supplement "–Z" and the order code "F23", see page 1/98.

4) For ETU45B with ground-fault protection module GFM AT (alarm and tripping), see page 1/104.

*** You can order this quantity or a multiple thereof.**

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Fixed-mounted versions

Selection and ordering data[1)]

Size	Max. rated circuit breaker current $I_{n\ max.}$	No. of poles	Rated current I_n	Breaking capacity 690 V	DT	Article No. www.siemens.com/product?Article No. Article No. supplements see page 1/95	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A		A	kA							kg
Horizontal main circuit connection											
I	1600[2)]	4p	1600[2)]	20[3)]		**3WL5120-8AA42-□□□□**		1	1 unit	1CA	50.000
II[4)5)]	3200	3p	3200	22		**3WL5232-8AA32-□□□□**		1	1 unit	1CA	64.000
Vertical main circuit connection											
I	1600[2)]	4p	1600[2)]	20[3)]		**3WL5120-8AA41-□□□□**		1	1 unit	1CA	50.000
II[4)5)]	3200	3p	3200	25		**3WL5232-8AA31-□□□□**		1	1 unit	1CA	85.000

For further Article No. supplements see page 1/95.

1) For permissible rated breaking capacity for non-automatic air circuit breakers, see Technical Specifications, page 1/83.
2) According to IEC 60947-2 the rated current is 2000 A.
3) I_{cc} = 20 kA up to U_e = 1000 V DC + 10%.
4) Can also be used at variable frequencies of 0 ... 30 Hz.
5) Z-Option A17 must usually be ordered in addition.

* You can order this quantity or a multiple thereof.

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Selection and ordering data

				Article No. supplement 3WL5...-.....- □□□□	Additional price
Operating mechanisms					
Manual operating mechanism with mechanical closing				**1**	**None**
Manual operating mechanism with mechanical and electrical closing, closing coil suitable for uninterrupted duty, 100 % OP					
50/60 Hz V AC	V DC				
110	110 ... 125			**2**	✓
240	220			**3**	✓
Manual/motorized operating mechanism with mechanical and electrical closing, closing coil suitable for uninterrupted duty, 100 % OP					
Motor		Closing solenoid			
50/60 Hz V AC	V DC	50/60 Hz V AC	V DC		
208 ... 240	220 ... 250	230	220	**4**	✓
110 ... 127	110 ... 125	110	110 ... 125	**5**	✓
--	24	--	24	**6**	✓
Note					
To order different voltages for motorized operating mechanism and closing solenoid or closing coil for synchronization purposes: "1" at the 13th digit of the Article No. and order codes, see page 1/97.					
1st auxiliary release					
Type	Condition	U_s 50/60 Hz V AC	U_s V DC		
Without 1st auxiliary release	--	--	--	**A**	**None**
Shunt release suitable for uninterrupted duty, 100 % OP	Operating range 0.85 ... 1.1 × U_s	--	24	**B**	✓
		--	30	**C**	✓
		--	48	**D**	✓
		--	60	**E**	✓
		110 ... 127	110 ... 125	**F**	✓
		208 ... 240	220 ... 250	**G**	✓
2nd auxiliary release					
Type	Condition	U_s 50/60 Hz V AC	U_s V DC		
Without 2nd auxiliary release	--	--	--	**A**	**None**
Shunt release suitable for uninterrupted duty, 100 % OP	Operating range 0.85 ... 1.1 × U_s	--	24	**B**	✓
		--	30	**C**	✓
		--	48	**D**	✓
		--	60	**E**	✓
		110 ... 127	110 ... 125	**F**	✓
		208 ... 240	220 ... 250	**G**	✓
Undervoltage release, instantaneous (≤ 80 ms), short-delay (≤ 200 ms)	Operating range 0.85 ... 1.1 × U_s	--	24	**J**	✓
		--	30	**K**	✓
		--	48	**L**	✓
		--	60	**U**	✓
		110 ... 127	110 ... 125	**M**	✓
		208 ... 240	220 ... 250	**N**	✓
		380 ... 415	--	**P**	✓
Undervoltage release, can be delayed between 0.2 s and 3.2 s	Operating range 0.85 ... 1.1 × U_s	--	48	**Q**	✓
		110 ... 127	110 ... 125	**R**	✓
		208 ... 240	220 ... 250	**S**	✓
		380 ... 415	--	**T**	✓
Auxiliary switches					
1st auxiliary switch block					
2 NO + 2 NC				**2**	**None**
1st + 2nd auxiliary switch block					
4 NO + 4 NC				**4**	✓
6 NO + 2 NC				**7**	✓
5 NO + 3 NC				**8**	✓

✓ Additional price

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Options

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

			3WL....-.....-....-Z □□□ +...+...	Additional price
IT network capability at 690 V AC + 10 % according to IEC 60947-2 Appendix H				
Conditions	Size	Rated voltage V		
3WL5225-4□□31-...	II	AC	**A 1 7**	✓
3WL5225-4□□32-...			**A 1 7**	✓
3WL5232-4□□31-...			**A 1 7**	✓
3WL5232-8AA31-...		DC	**A 1 7**	✓
3WL5232-8AA32-...			**A 1 7**	✓
3WL5340-4□□31-...	III	AC	**A 1 7**	✓
3WL5340-4□□32-...			**A 1 7**	✓
3WL5350-4□□31-...[6]	III	AC	**A 1 7**	**On request**
3WL5350-4□□32-...[6]			**A 1 7**	**On request**
Special packaging (moisture protection)				
Special packaging for extended technical requirements				
Cardboard packaging with water-repellent coating on corrugated cardboard (moisture protection)			**A 6 1**	✓
Rating plugs				
Conditions	Size	Rated current I_nA		
Only one module is possible per circuit breaker. As standard the electronic trip units are equipped with a rating plug which is equal to the maximum rated current circuit breaker ($I_{n\,max}$). The rated current of the selected rating plug must be smaller than $I_{n\,max}$.	I, II	250	**B 0 2**	**None**
		315	**B 0 3**	**None**
		400	**B 0 4**	**None**
		500	**B 0 5**	**None**
		630	**B 0 6**	**None**
		800	**B 0 8**	**None**
		1000	**B 1 0**	**None**
	I, II, III	1250	**B 1 2**	**None**
		1600	**B 1 6**	**None**
	II, III	2000	**B 2 0**	**None**
		2500	**B 2 5**	**None**
		3000	**B 3 0**	**None**
		3200	**B 3 2**	**None**
	III	4000	**B 4 0**	**None**
		5000	**B 5 0**	**None**
Indication/operator control elements, door sealing frames				
5-digit mechanical operating cycles counter[1]			**C 0 1**	✓
Electrical ON button S10 in the operator panel[2] Possible only for circuit breakers with closing coil.	Button with sealing cap		**C 1 1**	✓
	Key operation with lock CES		**C 1 2**	✓
Storage status signaling switches[2] **(S21)**	1 NO contact		**C 2 0**	✓
Ready-to-close signaling switches (S20)	1 NO contact		**C 2 2**	✓
Signaling switches[2]	For the first auxiliary release (S22)		**C 2 6**	✓
	For the second auxiliary release (S23)		**C 2 7**	✓
Motor shutdown switch in the operator panel[3] **(S12)**			**S 2 5**	✓
EMERGENCY-STOP pushbuttons	Mushroom pushbutton instead of the mechanical OFF pushbutton		**S 2 4**	✓
Door sealing frames			**T 4 0**	✓
Reclosing lockout and remote resets				
Automatic reset of the reclosing lockout			**K 0 1**	✓
1st tripped signaling switch[2][4] **(S24)**	1 CO contact		**K 0 7**	✓
2nd tripped signaling switch[2][4][5] **(S25)**	1 NO contact		**K 0 6**	✓
Type	50/60 Hz V AC	V DC		
Remote reset solenoid for displays and reset buttons including automatic reset of the reclosing lockout	--	24	**K 1 0**	✓
	--	48	**K 1 1**	✓
	120	125	**K 1 2**	✓
	208 ... 250	208 ... 250	**K 1 3**	✓

✓ Additional price

1) Only possible with motorized operating mechanism.
2) Not possible with communications interface option, order codes "F02" or "F12".
3) Only for breakers with motorized operating mechanism, not possible with order codes "C11", "C12".
4) Not available for non-automatic air circuit breakers.
5) Only possible with option "K07".
6) 3WL5350-... available with A17 as from 01/2016.

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				3WL....-.....-....-Z ☐☐☐ +...+...				Additional price
Add **"-Z"** to the complete Article No. and indicate the appropriate order code(s).								
Motorized operating mechanisms and closing/opening coils								
Type	Conditions	Motor						
		50/60 Hz V AC	V DC					
Motorized operating mechanism	Only possible if the 13th digit of the Article No. = "1"	--	24 ... 30	**M**	**0**	**1**		✓
		--	48 ... 60	**M**	**0**	**3**		✓
		110 ... 127	110 ... 125	**M**	**0**	**5**		✓
		208 ... 240	220 ... 250	**M**	**0**	**6**		✓
Type	Conditions	Activation coils						
		50/60 Hz V AC	V DC					
Closing coil suitable for uninterrupted duty, 100 % OP	Only possible if the 13th digit of the Article No. = "1"	--	24	**M**	**2**	**1**		✓
		--	30	**M**	**2**	**2**		✓
		--	48	**M**	**2**	**3**		✓
		--	60	**M**	**2**	**4**		✓
		110 ... 127	110 ... 125	**M**	**2**	**5**		✓
		208 ... 240	220 ... 250	**M**	**2**	**6**		✓
Type	Conditions	Activation coils						
		50/60 Hz V AC	V DC					
Closing coil[1] not suitable for uninterrupted duty, 5 % OP, synchronizable	Only possible if the 13th digit of the Article No. = "1"	--	24	**M**	**3**	**1**		✓
		--	48	**M**	**3**	**3**		✓
		110 ... 127	110 ... 125	**M**	**3**	**5**		✓
		208 ... 240	220 ... 250	**M**	**3**	**6**		✓
Type	Conditions	Activation coils						
		50/60 Hz V AC	V DC					
Opening coils (shunt release)[2][3]	Not suitable for uninterrupted duty, 5 % OP, synchronizable	--	24	**M**	**4**	**1**		✓
		--	48	**M**	**4**	**3**		✓
		110 ... 127	110 ... 125	**M**	**4**	**5**		✓
		208 ... 240	220 ... 250	**M**	**4**	**6**		✓
Interlocks, covers, position signaling switches (for fixed-mounted version)								
Mutual mechanical interlockings (interlocking module with Bowden wire 2 m)	Fixed-mounted circuit breakers			**S**	**5**	**5**		✓
Interlocks, covers, position signaling switches (for withdrawable version)								
Mutual mechanical interlockings (interlocking module with Bowden wire 2 m)	Version							
	For withdrawable circuit breakers with guide frame			**R**	**5**	**5**		✓
	For guide frames			**R**	**5**	**6**		✓
	For withdrawable circuit breakers			**R**	**5**	**7**		✓
Shutters 2-part lockable with padlocks[4]	Number of poles	Size						
	3-pole	I		**R**	**2**	**1**		✓
		II		**R**	**2**	**1**		✓
		III		**R**	**2**	**1**		✓
	4-pole	I		**R**	**2**	**1**		✓
		II		**R**	**2**	**1**		✓
		III		**R**	**2**	**1**		✓
Position signaling switches for guide frames	Connected position	Test position	Disconnected position					
	1 CO	1 CO	1 CO	**R**	**1**	**5**		✓
	3 CO	2 CO	1 CO	**R**	**1**	**6**		✓

✓ Additional price

1) Overexcited, i.e. operating time 50 ms (standard > 80 ms).
2) Only possible if the 14th position of the Article No. for the circuit breaker is "A", i.e. "without 1st auxiliary release".
3) Overexcited, i.e. operating time 50 ms (standard > 80 ms).
4) Padlocks not included in scope of supply.

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Options

		3WL....-.....-....-Z □□□ +...+...				Additional price
Communication and measurement functions						
Breaker status sensor (BSS)		F	0	1		✓
PROFIBUS-DP communications interface[1]	Including COM15 and breaker status sensor (BSS)	F	0	2		✓
MODBUS-RTU communications interface[1]	Including COM16 and breaker status sensor (BSS)	F	1	2		✓
Measurement function *Plus* (without PROFIBUS/ MODBUS communications interface)[2]		F	0	5		✓
Overload and short-circuit protection for neutral conductors						
Internal current transformer for N conductor Only possible with 4-pole circuit breakers with ETU45B	Size					
	I	F	2	3		✓
	II	F	2	3		✓
	III	F	2	3		✓
EMC filters						
EMC filters • Common-mode interference suppressor filters (e.g. in IT networks, caused by frequency converters) • Insertion loss (asymmetric) in the range 40 kHz to 10 MHz >40 dB.		F	3	1		✓
Locking devices (for fixed-mounted versions and withdrawable versions)						
Locking devices against unauthorized closing, in the operator panels The disconnector unit fulfills the requirements for main circuit breakers according to EN 60204-1	Version					
	Made by CES	S	0	1		✓
	Made by IKON	S	0	3		✓
	Assembly kit FORTRESS or Castell[3]	S	0	5		✓
	Assembly kit for padlocks[4]	S	0	7		✓
	Made by Ronis	S	0	8		✓
	Made by Profalux	S	0	9		✓
EMERGENCY-STOP pushbuttons	Mushroom pushbutton instead of the mechanical OFF pushbutton	S	2	4		✓
Locking devices for operating mechanism handles with padlock[4]		S	3	3		✓
Locking devices (for withdrawable version)						
Locking devices against unauthorized closing, for withdrawable circuit breakers The disconnector unit fulfills the requirements for main circuit breakers acc. to EN 60204-1, consisting of a lock in the cabinet door, active in the connected position, function is retained when circuit breaker is replaced. Not possible in combination with order codes "R81", "R85" or "R86".	Version					
	Made by CES	R	6	1		✓
	Made by Ronis	R	6	8		✓
	Made by Profalux	R	6	0		✓
Locking devices to prevent movement of the withdrawable circuit breakers Safety lock for mounting on the circuit breaker	Version					
	Made by CES	S	7	1		✓
	Made by Profalux	S	7	5		✓
	Made by Ronis	S	7	6		✓
Locking mechanisms (for fixed-mounted versions)						
Locking devices Not possible in combination with order codes "R81", "R85" or "R86".	To prevent opening of the cabinet door in ON position	S	3	0		✓
Locking devices (for withdrawable version)						
Locking devices Not possible in combination with order codes "R81", "R85" or "R86".	Version					
	To prevent opening of the cabinet door in connected position	R	3	0		✓
	To prevent movement with the cabinet door open	R	5	0		✓
Locking mechanism to prevent movement of the withdrawable circuit breakers in disconnected position, consisting of Bowden wire and lock in the cabinet door Not possible in combination with order codes "R30", "R50", "R61", "R68" or "R60".	Version					
	Made by CES	R	8	1		✓
	Made by Ronis	R	8	5		✓
	Made by Profalux	R	8	6		✓
Connection methods for auxiliary conductors (for fixed-mounted and withdrawable versions)						
Connections for screwless terminals (tension spring)	Version					
	Fixed-mounted	N	6	1		✓
	Withdrawable	P	6	1		✓

✓ Additional price

1) If ordering the withdrawable circuit breaker and guide frame separately, specify order code "F02" or "F12" for the withdrawable circuit breaker only.

2) Additional voltage transformers are required for connection of the *Plus* measurement function, see 1/113.

3) Locks must be ordered from the manufacturer.

4) Padlock not included in the scope of supply.

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Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

3WL....-.....-....-Z
□□□ +...+...

For "withdrawable circuit breakers with guide frames" or for "guide frames"							Additional price 3-pole	Additional price 4-pole
Note								
To select this connection method the 12th digit of the Article No. for the circuit breaker must be a "6".								
Connection methods for main connections	Size	Rated current I_n						
Top and bottom: accessible from front, single hole	I	Up to 1600 A	**P**	**0**	**0**		✓	✓
	II	Up to 2000 A	**P**	**0**	**0**		✓	✓
		Up to 2500 A	**P**	**0**	**0**		✓	✓
		Up to 3200 A	**P**	**0**	**0**		✓	✓
	III	Up to 4000 A	**P**	**0**	**0**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top and bottom: accessible from front, double hole	I	Up to 1600 A	**P**	**0**	**1**		✓	✓
	II	Up to 2000 A	**P**	**0**	**1**		✓	✓
		Up to 2500 A	**P**	**0**	**1**		✓	✓
		Up to 3200 A	**P**	**0**	**1**		✓	✓
	III	Up to 4000 A	**P**	**0**	**1**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top: horizontal Bottom: accessible from front, single hole	I	Up to 1600 A	**P**	**0**	**7**		✓	✓
	II	Up to 2000 A	**P**	**0**	**7**		✓	✓
		Up to 2500 A	**P**	**0**	**7**		✓	✓
		Up to 3200 A	**P**	**0**	**7**		✓	✓
	III	Up to 4000 A	**P**	**0**	**7**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top: vertical Bottom: horizontal	I	Up to 1600 A	**P**	**1**	**8**		✓	✓
	II	Up to 2000 A	**P**	**1**	**8**		✓	✓
		Up to 2500 A	**P**	**1**	**8**		✓	✓
		Up to 3200 A	**P**	**1**	**8**		✓	✓
	III	Up to 4000 A	**P**	**1**	**8**		✓	✓
		Up to 5000 A	**P**	**1**	**8**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top: connecting flange Bottom: horizontal	I	Up to 1600 A	**P**	**1**	**9**		✓	✓
	II	Up to 2000 A	**P**	**1**	**9**		✓	✓
		Up to 2500 A	**P**	**1**	**9**		✓	✓
		Up to 3200 A	**P**	**1**	**9**		✓	✓
	III	Up to 4000 A	**P**	**1**	**9**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top: horizontal Bottom: vertical	I	Up to 1600 A	**P**	**2**	**3**		✓	✓
	II	Up to 2000 A	**P**	**2**	**3**		✓	✓
		Up to 2500 A	**P**	**2**	**3**		✓	✓
		Up to 3200 A	**P**	**2**	**3**		✓	✓
	III	Up to 4000 A	**P**	**2**	**3**		✓	✓
		Up to 5000 A	**P**	**2**	**3**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top: horizontal Bottom: connecting flange	I	Up to 1600 A	**P**	**2**	**8**		✓	✓
	II	Up to 2000 A	**P**	**2**	**8**		✓	✓
		Up to 2500 A	**P**	**2**	**8**		✓	✓
		Up to 3200 A	**P**	**2**	**8**		✓	✓
	III	Up to 4000 A	**P**	**2**	**8**		✓	✓

✓ Additional price

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Options

Add "**-Z**" to the complete Article No. and indicate the appropriate order code(s).

3WL....-.....-....-Z
□□□ **+...+...**

For fixed-mounted circuit breakers							Additional price 3-pole	Additional price 4-pole
Note								
To select this connection method, the 12th digit of the Article No. for the circuit breaker must be a "2".								
Connection methods for main connections[1]	Size	Rated current I_n						
Top: horizontal Bottom: accessible from front, single hole	I	Up to 1600 A	**N**	**1**	**1**		✓	✓
	II	Up to 2000 A	**N**	**1**	**1**		✓	✓
		Up to 2500 A	**N**	**1**	**1**		✓	✓
		Up to 3200 A	**N**	**1**	**1**		✓	✓
	III	Up to 4000 A	**N**	**1**	**1**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top: vertical Bottom: horizontal	I	Up to 1600 A	**N**	**2**	**0**		✓	✓
		Up to 2000 A	**N**	**2**	**0**		✓	✓
	II	Up to 2000 A	**N**	**2**	**0**		✓	✓
		Up to 2500 A	**N**	**2**	**0**		✓	✓
		Up to 3200 A	**N**	**2**	**0**		✓	✓
	III	Up to 4000 A	**N**	**2**	**0**		✓	✓
		Up to 5000 A	**N**	**2**	**0**		✓	✓
Connection methods for main connections	Size	Rated current I_n						
Top: horizontal Bottom: vertical	I	Up to 1600 A	**N**	**2**	**4**		✓	✓
		Up to 2000 A	**N**	**2**	**4**		✓	✓
	II	Up to 2000 A	**N**	**2**	**4**		✓	✓
		Up to 2500 A	**N**	**2**	**4**		✓	✓
		Up to 3200 A	**N**	**2**	**4**		✓	✓
	III	Up to 4000 A	**N**	**2**	**4**		✓	✓
		Up to 5000 A	**N**	**2**	**4**		✓	✓

✓ Additional price

[1] A17 cannot be used for DC non-automatic air circuit breakers and circuit breakers with the Z option.

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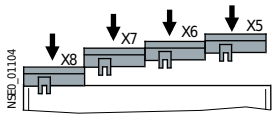
Overview

Determination of the number of auxiliary supply connectors required

This selection is only required if the guide frame is ordered under a separate Article No.



The required number of auxiliary supply connectors depends on the:
- Operating mechanism type
- Electronic Trip Unit with/without current transformer
- Type and number of auxiliary releases
- Number of auxiliary switches
- COM15/COM16 communication interface

		Number of auxiliary supply connectors	Terminal
a	**The first auxiliary supply connector X6 is always required.**	**1**	X6
b	**Operating mechanisms**		
b1	Manual operating mechanism with stored-energy feature with mechanical closing	**0**	
b2	Manual operating mechanism with stored-energy feature with mechanical and electrical closing	**0**	X6
b3	Manual/motorized operating mechanism with stored-energy feature with mechanical and electrical closing	**+1**	X5
c	**Electronic Trip Units**		
c1	Electronic Trip Units, ETU25B,	**0**	
c2	Electronic Trip Units ETU45B, (internal **Cubicle**BUS)	**+1**	X8
	Connections for external current transformers for overload protection in the N-conductor and ground-fault protection		
c3	Current transformer installed in the N-conductor (required with 3-pole circuit breakers if c2 is not selected)	**+1**	X8
c4	Current transformer in the neutral point of the transformer (required if c2 or c3 is not selected)	**+1**	X8
d	**Auxiliary releases**		
d1	With/without 1st auxiliary release (shunt release F1)	**0**	X6
d2	2nd auxiliary release (shunt release F2, undervoltage release F3, delayable undervoltage release F4)	**+1**	X5
e	**Auxiliary switch blocks**		
e1	1st auxiliary switch block 2 NO + 2 NC	**0**	X6
e2	1st and 2nd auxiliary switch block 4 NO + 4 NC or 6 NO + 2 NC or 5 NO + 3 NC (required if b3 or d2 is not selected)	**+1**	X5
f	**Communication modules**		
f1	Without communication module COM15/COM16	**0**	
f2	With communication module COM15/COM16 – occupies the entire terminal strip X7, making the following options no longer possible: • 1st tripped signal switch S24 • 2nd tripped signal switch S25 • Stored-energy status indication S21 • Electrical ON button S10 • Signaling switch on first and second auxiliary release S22 + S23	**+1**	X7
g	**Optional signals/accessories**		
g1	Tripped signaling switch S24 (only when f2 not selected)	**+1**	X7
g2	Stored-energy status indicator S21 (only when f2 not selected, required if g1 not selected)	**+1**	X7
g3	Electric ON button S10 (only when f2 not selected, required if g1 or g2 not selected)	**+1**	X7
g4	Signaling switch at first auxiliary release S22 (only when f2 not selected, required if g1, g2 or g3 not selected)	**+1**	X7
g5	Signaling switch at second auxiliary release S23 (only when f2 not selected, required if g1, g2, g3 or g4 not selected)	**+1**	X7
g6	Switch on ready-to-close signaling switch S20	**0**	X6
g7	Motor shutdown switch S12 (only if motorized operating mechanism selected)	**0**	X5
g8	Remote reset solenoid F7 (required if c2 not selected)	**+1**	X8
h	**Total number of auxiliary supply connectors**	**(max. 4)**	

For ordering the auxiliary supply connectors see under "Accessories and spare parts, Guide frames for AC circuit breakers/ non-automatic air circuit breakers", page 1/102 onwards and under "Accessories and spare parts, Auxiliary conductor connections, Auxiliary supply connectors", page 1/109.

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Selection and ordering data

Guide frames for AC circuit breakers/non-automatic air circuit breakers approved according to UL 489

Size	Max. rated circuit breaker current $I_{n\,max.}$	Breaking capacity $I_{cu} = I_{cs}$	DT	Guide frames for 3-pole circuit breakers/ non-automatic air circuit breakers Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	kA							kg
Front main circuit connection, single hole									
I	1000	... 66		3WL9251-1AA□□-□□A1		1	1 unit	1CA	25.000
	1600	... 66		3WL9251-2AA□□-□□A1		1	1 unit	1CA	25.000
II	2000	... 100		3WL9252-3AA□□-□□A1		1	1 unit	1CA	31.000
	2500	... 100		3WL9252-4AA□□-□□A1		1	1 unit	1CA	39.000
	3000	... 100		3WL9252-5AA□□-□□A1		1	1 unit	1CA	45.000
III	4000	... 100		3WL9253-6AA□□-□□A1		1	1 unit	1CA	60.000
Front main circuit connection, double hole									
I	1000	... 66		3WL9251-1AB□□-□□A1		1	1 unit	1CA	25.000
	1600	... 66		3WL9251-2AB□□-□□A1		1	1 unit	1CA	25.000
II	2000	... 100		3WL9252-3AB□□-□□A1		1	1 unit	1CA	31.000
	2500	... 100		3WL9252-4AB□□-□□A1		1	1 unit	1CA	39.000
	3000	... 100		3WL9252-5AB□□-□□A1		1	1 unit	1CA	45.000
III	4000	... 100		3WL9253-6AB□□-□□A1		1	1 unit	1CA	60.000
Horizontal main circuit connection									
I	1000	... 66		3WL9251-1AC□□-□□A1		1	1 unit	1CA	25.000
	1600	... 66		3WL9251-2AC□□-□□A1		1	1 unit	1CA	25.000
II	2000	... 100		3WL9252-3AC□□-□□A1		1	1 unit	1CA	31.000
	2500	... 100		3WL9252-4AC□□-□□A1		1	1 unit	1CA	39.000
	3000	... 100		3WL9252-5AC□□-□□A1		1	1 unit	1CA	45.000
III	4000	... 100		3WL9253-6AC□□-□□A1		1	1 unit	1CA	60.000
	5000	... 100		3WL9253-7AC□□-□□A1		1	1 unit	1CA	60.000
Vertical main circuit connection									
I	1000	... 66		3WL9251-1AD□□-□□A1		1	1 unit	1CA	25.000
	1600	... 66		3WL9251-2AD□□-□□A1		1	1 unit	1CA	25.000
II	2000	... 100		3WL9252-3AD□□-□□A1		1	1 unit	1CA	31.000
	2500	... 100		3WL9252-4AD□□-□□A1		1	1 unit	1CA	39.000
	3000	... 100		3WL9252-5AD□□-□□A1		1	1 unit	1CA	45.000
III	4000	... 100		3WL9253-6AD□□-□□A1		1	1 unit	1CA	60.000
	5000	... 100		3WL9253-7AD□□-□□A1		1	1 unit	1CA	60.000
Main circuit connection connecting flanges									
I	1000	... 66		3WL9251-1AE□□-□□A1		1	1 unit	1CA	25.000
	1600	... 66		3WL9251-2AE□□-□□A1		1	1 unit	1CA	25.000
II	2000	... 100		3WL9252-3AE□□-□□A1		1	1 unit	1CA	31.000
	2500	... 100		3WL9252-4AE□□-□□A1		1	1 unit	1CA	39.000
	3000	... 100		3WL9252-5AE□□-□□A1		1	1 unit	1CA	45.000
III	4000	... 100		3WL9253-6AE□□-□□A1		1	1 unit	1CA	60.000

Options							Additional price
Number of auxiliary supply connectors	None		**0**				**None**
	1 connector		**1**				✓
	2 connectors		**2**				✓
	3 connectors		**3**				✓
	4 connectors		**4**				✓
Note							
For required number of auxiliary supply connectors, see table on page 1/101.							
Type of auxiliary circuit connections	None			**0**			**None**
	With screw connection (SIGUT, standard)			**1**			✓
	With screwless connection method (tension spring)			**2**			✓
Position signaling switches	None				**0**		**None**
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO				**1**		✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO				**2**		✓
Shutters	None					**A**	**None**
	With shutter, 2-part, lockable	Size I				**B**	✓
		Size II				**B**	✓
		Size III				**B**	✓

✓ Additional price

* You can order this quantity or a multiple thereof.

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Size	Max. rated circuit breaker current $I_{n\ max.}$	Breaking capacity $I_{cu} = I_{cs}$	DT	**Guide frames for 4-pole circuit breakers/ non-automatic air circuit breakers** Article No. www.siemens.com/product?Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A	kA							kg
Front main circuit connection, single hole									
I	1000	... 66		3WL9251-1BA□□-□□A1		1	1 unit	1CA	30.000
	1600	... 66		3WL9251-2BA□□-□□A1		1	1 unit	1CA	30.000
II	2000	... 100		3WL9252-3BA□□-□□A1		1	1 unit	1CA	37.000
	2500	... 100		3WL9252-4BA□□-□□A1		1	1 unit	1CA	47.000
	3000	... 100		3WL9252-5BA□□-□□A1		1	1 unit	1CA	54.000
III	4000	... 100		3WL9253-6BA□□-□□A1		1	1 unit	1CA	84.000
Front main circuit connection, double hole									
I	1000	... 66		3WL9251-1BB□□-□□A1		1	1 unit	1CA	30.000
	1600	... 66		3WL9251-2BB□□-□□A1		1	1 unit	1CA	30.000
II	2000	... 100		3WL9252-3BB□□-□□A1		1	1 unit	1CA	37.000
	2500	... 100		3WL9252-4BB□□-□□A1		1	1 unit	1CA	47.000
	3000	... 100		3WL9252-5BB□□-□□A1		1	1 unit	1CA	54.000
III	4000	... 100		3WL9253-6BB□□-□□A1		1	1 unit	1CA	84.000
Horizontal main circuit connection									
I	1000	... 66		3WL9251-1BC□□-□□A1		1	1 unit	1CA	30.000
	1600	... 66		3WL9251-2BC□□-□□A1		1	1 unit	1CA	30.000
II	2000	... 100		3WL9252-3BC□□-□□A1		1	1 unit	1CA	37.000
	2500	... 100		3WL9252-4BC□□-□□A1		1	1 unit	1CA	47.000
	3000	... 100		3WL9252-5BC□□-□□A1		1	1 unit	1CA	54.000
III	4000	... 100		3WL9253-6BC□□-□□A1		1	1 unit	1CA	84.000
	5000	... 100		3WL9253-7BC□□-□□A1		1	1 unit	1CA	84.000
Vertical main circuit connection									
I	1000	... 66		3WL9251-1BD□□-□□A1		1	1 unit	1CA	30.000
	1600	... 66		3WL9251-2BD□□-□□A1		1	1 unit	1CA	30.000
II	2000	... 100		3WL9252-3BD□□-□□A1		1	1 unit	1CA	37.000
	2500	... 100		3WL9252-4BD□□-□□A1		1	1 unit	1CA	47.000
	3000	... 100		3WL9252-5BD□□-□□A1		1	1 unit	1CA	54.000
III	4000	... 100		3WL9253-6BD□□-□□A1		1	1 unit	1CA	84.000
	5000	... 100		3WL9253-7BD□□-□□A1		1	1 unit	1CA	84.000
Main circuit connection connecting flanges									
I	1000	... 66		3WL9251-1BE□□-□□A1		1	1 unit	1CA	30.000
	1600	... 66		3WL9251-2BE□□-□□A1		1	1 unit	1CA	30.000
II	2000	... 100		3WL9252-3BE□□-□□A1		1	1 unit	1CA	37.000
	2500	... 100		3WL9252-4BE□□-□□A1		1	1 unit	1CA	47.000
	3000	... 100		3WL9252-5BE□□-□□A1		1	1 unit	1CA	54.000
III	4000	... 100		3WL9253-6BE□□-□□A1		1	1 unit	1CA	84.000

Options								Additional price
Number of auxiliary supply connectors	None					**0**		**None**
	1 connector					**1**		✓
	2 connectors					**2**		✓
	3 connectors					**3**		✓
	4 connectors					**4**		✓
Note								
For required number of auxiliary supply connectors, see table on page 1/101.								
Type of auxiliary circuit connections	None						**0**	**None**
	With screw connection (SIGUT, standard)						**1**	✓
	With screwless connection method (tension spring)						**2**	✓
Position signaling switches	None							**0** ✓
	Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO							**1** ✓
	Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO							**2** ✓
Shutters	None							**A** **None**
	With shutter, 2-part, lockable	Size I						**B** ✓
		Size II						**B** ✓
		Size III						**B** ✓

✓ Additional price

*** You can order this quantity or a multiple thereof.**

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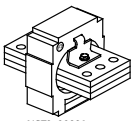
	Designation			DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
NSE0_01610b 3WL931.-.AA.0-0AA1	**Protective devices with device holder and optional measurement function**[1]									
	Type	With protection function	Measuring function							
	ETU25B	LSI	None		3WL9352-5AA00-0AA1		1	1 unit	1CA	0.720
	ETU45B (without display)	LSIN(G)	None		3WL9354-5AA00-0AA1		1	1 unit	1CA	0.720
			With measurement function *Plus*		3WL9354-5AA20-0AA1		1	1 unit	1CA	0.720
NSE0_00992b 3WL9111-0AA64-0AA0	**Rating plugs**[2]									
	Size		Rated current I_n (A)							
	I, II		250		3WL9111-2AA51-0AA0		1	1 unit	1CA	0.010
			315		3WL9111-2AA52-0AA0		1	1 unit	1CA	0.010
			400		3WL9111-2AA53-0AA0		1	1 unit	1CA	0.010
			500		3WL9111-2AA54-0AA0		1	1 unit	1CA	0.010
			630		3WL9111-2AA55-0AA0		1	1 unit	1CA	0.010
			800		3WL9111-2AA56-0AA0		1	1 unit	1CA	0.010
			1000		3WL9111-2AA57-0AA0		1	1 unit	1CA	0.010
	I, II, III		1250		3WL9111-2AA58-0AA0		1	1 unit	1CA	0.010
			1600		3WL9111-2AA61-0AA0		1	1 unit	1CA	0.010
	II, III		2000		3WL9111-2AA62-0AA0		1	1 unit	1CA	0.010
			2500		3WL9111-2AA63-0AA0		1	1 unit	1CA	0.010
			3000		3WL9111-2AA77-0AA0		1	1 unit	1CA	0.010
			3200		3WL9111-2AA64-0AA0		1	1 unit	1CA	0.010
	III		4000		3WL9111-2AA65-0AA0		1	1 unit	1CA	0.010
			5000		3WL9111-2AA66-0AA0		1	1 unit	1CA	0.010
NSE0_01027a 3WL9111-0AT53-0AA0	**Ground-fault modules**[3]									
	Versions									
	• GFM AT 45B (only for ETU45B) alarm and tripping				3WL9111-2AT53-0AA0		1	1 unit	1CA	0.200
NSE0_01609 3WL9111-0AT81-0AA0	**Displays** • For ETU45B • 4-line				3WL9111-1AT81-0AA0		1	1 unit	1EA	0.061
 NSE0_00991a 3WL9111-0AA3.-0AA0	**External current transformers for N conductor** For T5, "Measurement Method" function, see Technical Information at www.siemens.com/lowvoltage/product-support.									
	Copper connection pieces		Size							
	--		I		3WL9111-0AA21-0AA0		1	1 unit	1CA	0.300
			II		3WL9111-0AA22-0AA0		1	1 unit	1CA	0.380
			III		3WL9111-0AA23-0AA0		1	1 unit	1CA	0.680
	✓		I		3WL9111-0AA31-0AA0		1	1 unit	1CA	1.600
			II		3WL9111-0AA32-0AA0		1	1 unit	1CA	4.260
			III		3WL9111-0AA33-0AA0		1	1 unit	1CA	8.500
	EMC filters • Common-mode interference suppressor filters (e.g. in IT networks, caused by frequency converters) • Insertion loss (asymmetric) in the range 40 kHz to 10 MHz >40 dB.				3WL9111-0AK32-0AA0		1	1 unit	1CA	0.280

1) For replacement in existing circuit breakers please specify the circuit breaker ID No. when ordering.

2) With the rating plug selected, the maximum rated current $I_{n\,max}$ of the circuit breaker must not be exceeded. The following applies $I_n \leq I_{n\,max}$.

3) For direct measurement of the ground-fault current, e.g. in the neutral point of the transformer, a 1200 A/1 A current transformer, class 1, is required. The internal load of the 3WL circuit breaker is 0.11 Ω. If the ground-fault current is to be determined using the vectorial sum of the phases, a transformer must be installed in the neutral conductor.

* You can order this quantity or a multiple thereof.

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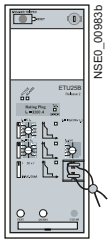
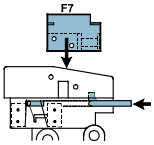
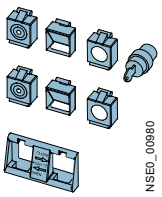
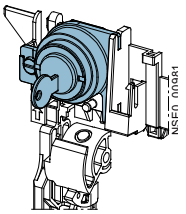
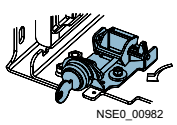
	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
	More accessories for Electronic Trip Units							
 3WL9111-0AT45-0AA0	**Sealable and lockable covers**							
	Version							
	• For ETU25B and ETU45B		3WL9111-0AT45-0AA0		1	1 unit	1CA	0.050
	Automatic reset of the reclosing lockout Spare part for option **K01,** for "-Z" + order code, see page 1/96.		3WL9111-0AK21-0AA0		1	1 unit	1CA	0.050
 3WL9111-0AK0.-0AA0	**Remote reset coils**[1] • For mechanical tripped indicator • Spare part for options **K10** to **K13,** for "-Z" + order code, see page 1/96.							
	Note							
	Automatic reset of the reclosing lockout 3WL9111-0AK21-0AA0 also needed.							
	Versions							
	• 24 V DC		3WL9111-0AK03-0AA0		1	1 unit	1CA	0.200
	• 48 V DC		3WL9111-0AK04-0AA0		1	1 unit	1CA	0.200
	• 120 V AC/125 V DC		3WL9111-0AK05-0AA0		1	1 unit	1CA	0.200
	• 208-250 V AC/208-250 V DC		3WL9111-0AK06-0AA0		1	1 unit	1CA	0.200
	Retrofittable internal CubicleBUS wiring for connection to terminal X8 • For ETU45B • Without male connector[2]		3WL9111-0AK30-0AA0		1	1 unit	1CA	0.150
	Retrofittable internal wiring for connection of the external N- and G-transformers to terminal X8 • Not for ETU Release 2 • Without male connector		3WL9111-0AK31-0AA0		1	1 unit	1CA	0.020
	Locking devices							
 3WL9111-0BA22-0AA0	**Interlocking set for mechanical ON/OFF** • Consisting of 2 transparent covers each for sealing or for attaching padlocks[4], • Cover with 6.35 mm hole (for tool actuation) • Lock mount for safety lock for key operation							
	Versions							
	• Without safety lock		3WL9111-0BA21-0AA0		1	1 unit	1CA	0.100
	• Made by CES		3WL9111-0BA22-0AA0		1	1 unit	1CA	0.300
	• Made by IKON		3WL9111-0BA24-0AA0		1	1 unit	1CA	0.300
 3WL9111-0BA31-0AA0	**Locking devices against unauthorized closing, in the operator panels** • The disconnector unit fulfills the requirements for main circuit breakers acc. to EN 60204-1 • Spare part for options **S01** to **S09,** for "-Z" + order code, see page 1/98.							
	Versions							
	• Assembly kit FORTRESS or CASTELL[3]		3WL9111-0BA31-0AA0		1	1 unit	1CA	0.200
	• Made by Ronis		3WL9111-0BA33-0AA0		1	1 unit	1CA	0.400
	• Made by KIRK-Key[3]		3WL9111-0BA34-0AA0		1	1 unit	1CA	0.270
	• Made by Profalux		3WL9111-0BA35-0AA0		1	1 unit	1CA	0.250
	• Made by CES		3WL9111-0BA36-0AA0		1	1 unit	1CA	0.200
	• Made by IKON		3WL9111-0BA38-0AA0		1	1 unit	1CA	0.200
	• Assembly kit for padlocks[4]		3WL9111-0BA41-0AA0		1	1 unit	1CA	0.360
 3WL9111-0BA53-0AA0	**Locking devices against unauthorized closing, for withdrawable circuit breakers** • The disconnector unit fulfills the requirements for main circuit breakers acc. to EN 60204-1 • Consisting of lock in the cabinet door, active in connected position; function is retained when circuit breaker is replaced • Spare part for options **R60, R61, R68**, for "-Z" + order code, see page 1/98.							
	Versions							
	• Made by CES		3WL9111-0BA51-0AA0		1	1 unit	1CA	0.300
	• Made by IKON		3WL9111-0BA53-0AA0		1	1 unit	1CA	0.300
	• Made by KIRK-Key[3]		3WL9111-0BA57-0AA0		1	1 unit	1CA	0.300
	• Made by Ronis		3WL9111-0BA58-0AA0		1	1 unit	1CA	0.300
	• Made by Profalux		3WL9111-0BA50-0AA0		1	1 unit	1CA	0.227

1) Can only be used in conjunction with "automatic reset of reclosing lockout", e.g. "–Z" + "K01", 3WL9111-0AK21-0AA0.
2) Required if communication is retrofitted.
3) Locks, cylinders and keys must be ordered from the manufacturer.
4) Padlock not included in the scope of supply.

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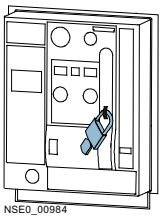
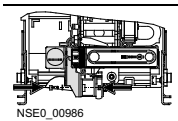
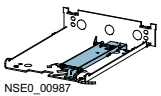
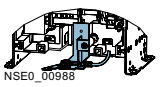
Accessories and spare parts

	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
 NSE0_00984 3WL9111-0BA71-0AA0	**Locking devices for operating mechanism handle with padlock[1)]** Spare part for option **S33,** for "-Z" + order code, see page 1/98.		3WL9111-0BA71-0AA0		1	1 unit	1CA	0.080
 NSE0_00986 3WL9111-0BA76-0AA0	**Locking devices to prevent movement of the withdrawable circuit breakers** • Safety lock for mounting on the circuit breaker • Spare part for options **S71, S75, S76,** for "-Z" + order code, see page 1/98.							
	Versions							
	• Made by CES		3WL9111-0BA73-0AA0		1	1 unit	1CA	0.300
	• Made by IKON		3WL9111-0BA75-0AA0		1	1 unit	1CA	0.200
	• Made by Profalux		3WL9111-0BA76-0AA0		1	1 unit	1CA	0.300
	• Made by Ronis		3WL9111-0BA77-0AA0		1	1 unit	1CA	0.300
	• Made by KIRK-Key[2)]		3WL9111-0BA80-0AA0		1	1 unit	1CA	0.400
	Interlocking systems • Made by CES • 2 of the same keys for 3 circuit breakers • Locking device in OFF position • Lock in the operator panel • A maximum of 2 circuit breakers can be switched on		3WL9111-0BA43-0AA0		1	1 unit	1CA	0.360
Locking mechanisms								
 NSE0_00987 3WL9111-0BA83-0AA0	**Locking devices to prevent movement of the withdrawable circuit breakers in disconnected position** • Consisting of Bowden wire and lock in the cabinet door on the circuit breaker • Spare part for options **R81**, **R85**, **R86,** for "-Z" + order code, see page 1/98.							
	Versions							
	• Made by CES		3WL9111-0BA81-0AA0		1	1 unit	1CA	0.800
	• Made by IKON		3WL9111-0BA83-0AA0		1	1 unit	1CA	0.800
	• Made by Profalux		3WL9111-0BA85-0AA0		1	1 unit	1CA	0.800
	• Made by Ronis		3WL9111-0BA86-0AA0		1	1 unit	1CA	0.800
	Note							
	Not possible in combination with "Locking device to prevent opening of the cabinet door" (order code "R30") or "Locking device to prevent movement with the cabinet door open" (order code "R50").							
 NSE0_00988 3WL9111-0BB12-0AA0	**Locking devices to prevent opening of the cabinet door in ON position** • Fixed-mounted • Can be defeated • Spare part for option **S30,** for "-Z" + order code, see page 1/98.		3WL9111-0BB12-0AA0		1	1 unit	1CA	0.600
	Locking devices to prevent opening of the cabinet door • Guide frames • Can be defeated • Spare part for option **R30,** for "-Z" + order code, see page 1/98.		3WL9111-0BB13-0AA0		1	1 unit	1CA	0.150
	Note							
	Not possible in combination with "Locking device to prevent movement of the withdrawable circuit breakers in disconnected position" (order codes "R81", "R85" or "R86").							
	Locking devices to prevent movement with the cabinet door open • Guide frames • Spare part for option **R50,** for "-Z" + order code, see page 1/98.		3WL9111-0BB15-0AA0		1	1 unit	1CA	0.150
	Note							
	Not possible in combination with "Locking device to prevent movement of the withdrawable circuit breakers in disconnected position" (order codes "R81", "R85" or "R86").							

1) Padlock not included in the scope of supply.
2) Locks, cylinders and keys must be ordered from the manufacturer.

* You can order this quantity or a multiple thereof.

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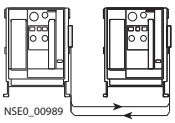
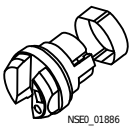
	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Interlocks								
 NSE0_00989 3WL9111-0BB21-0AA0	**Mutual mechanical interlocking** with 2000 mm Bowden wire (one required for each circuit breaker)							
	Type / When ordered separately / Spare part for							
	Fixed-mounted circuit breakers / -- / Option **S55,** for "-Z" + order code, see page 1/97		**3WL9111-0BB21-0AA0**		1	1 unit	1CA	2.700
	Module for withdrawable circuit breakers with guide frame / -- / Option **R55,** for "-Z" + order code, see page 1/97		**3WL9111-0BB24-0AA0**		1	1 unit	1CA	1.130
	Module for guide frame / ✓ / Option **R56,** for "-Z" + order code, see page 1/97		**3WL9111-0BB22-0AA0**		1	1 unit	1CA	1.100
	Module for withdrawable circuit breaker / ✓ / Option **R57,** for "-Z" + order code, see page 1/97		**3WL9111-0BB23-0AA0**		1	1 unit	1CA	0.150
	Adapter for size III withdrawable circuit breaker / ✓ / --		**3WL9111-0BB30-0AA0**		1	1 unit	1CA	0.100
 NSE0_01886 3WL9112-8HA47-0AA0	**Couplings on the circuit breaker (with ring) for mutual interlocking** Can be used in all circuit breakers		**3WL9112-8AH47-0AA0**		1	1 unit	1CA	0.160
	Bowden wires							
	Versions							
	2000 mm		**3WL9111-0BB45-0AA0**		1	1 unit	1CA	0.150
	3000 mm		**3WL9111-0BB46-0AA0**		1	1 unit	1CA	0.220
	4500 mm		**3WL9111-0BB47-0AA0**		1	1 unit	1CA	0.360
Transfer control devices								
3KC9000-8TL30 3KC9000-8EL10	**3KC ATC5300 and NEW ATC3100 transfer control devices** For combination with two air circuit breakers/molded case circuit breakers for changeover according to IEC 60947-6-1. For further information, see chapter "Monitoring Devices"							
Test devices								
	Manual test device for Electronic Trip Units ETU25B and ETU45B For testing the Electronic Trip Units functions of all 3WL ETUs		**3WL9111-0AT32-0AA0**		1	1 unit	1CA	1.100
	Function testers For testing the tripping characteristics of Electronic Trip Units ETU25B and ETU45B		**3WL9111-0AT44-0AA0**		1	1 unit	1CA	8.210
Capacitor storage devices								
	Capacitor storage devices • For shunt releases • Storage time 5 min		**3WL9111-0BA14-0AA0**		1	1 unit	1CA	0.520
	Rated control supply voltage/rated operational voltage							
	50/60 Hz V AC / V DC							
	220 ... 240 / 220 ... 250							
	Note							
	• Rated control supply voltage must match the rated control supply voltage of the shunt release • Suitable also for 3VL circuit breakers.							

* You can order this quantity or a multiple thereof.

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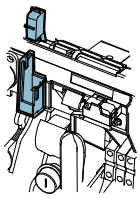
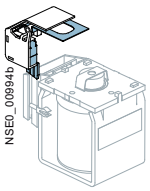
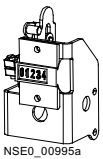
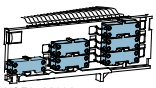
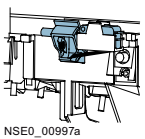
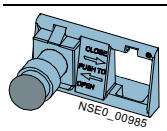
	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Indicators, control elements								
 NSE0_00993a 3WL9111-0AH01-0AA0	**Ready-to-close signaling switches (S20)** • 1 NO contact • Spare part for option **C22,** for "-Z" + order code, see page 1/96.		**3WL9111-0AH01-0AA0**		1	1 unit	1CA	0.020
 NSE0_00994b 3WL9111-0AH02-0AA0	**Signaling switches[1)2)] (S22 or S23)** • 1st or 2nd auxiliary release • Spare part for option **C26** and **C27,** for "-Z" + order code, see page 1/96.		**3WL9111-0AH02-0AA0**		1	1 unit	1CA	0.020
	1st tripped signaling switch[1)2)7)] (S24) • 1 CO contact • Spare part for option **K07,** for "-Z" + order code, see page 1/96.		**3WL9111-0AH14-0AA0**		1	1 unit	1CA	0.080
	2nd tripped signaling switch[1)2)3)7)] (S25) • 1 NO contact • Spare part for option **K06,** for "-Z" + order code, see page 1/96.		**3WL9111-0AH17-0AA0**		1	1 unit	1CA	0.080
 NSE0_00995a 3WL9111-0AH07-0AA0	**Operating cycles counter** • Mechanical[4)] • Spare part for option **C01,** for "-Z" + order code, see page 1/96.		**3WL9111-0AH07-0AA0**		1	1 unit	1CA	0.100
	Stored energy status signaling switches[1)2)] • 1 NO contact • Spare part for option **C20,** for "-Z" + order code, see page 1/96.		**3WL9111-0AH08-0AA0**		1	1 unit	1CA	0.030
 NSE0_00996a 3WL9111-0AH12-0AA0	**Position signaling switches for guide frames** Spare part for options **R15** and **R16,** for "-Z" + order code, see page 1/97.							
	Versions							
	• 1st block (3 CO contacts)		**3WL9111-0AH11-0AA0**		1	1 unit	1CA	0.200
	• 2nd block (6 CO contacts)		**3WL9111-0AH12-0AA0**		1	1 unit	1CA	0.400
 NSE0_00997a 3WL9111-0AJ0.-0AA0	**Electrical ON buttons[1)5)] (S10)** • Button + wiring[2)] • For operator panel • Spare part for options **C11** and **C12,** for "-Z" + order code, see page 1/96.							
	Versions							
	• With sealing cap **C11**		**3WL9111-0AJ02-0AA0**		1	1 unit	1CA	0.150
	• With CES **C12** assembly kit		**3WL9111-0AJ03-0AA0**		1	1 unit	1CA	0.140
	• With IKON assembly kit		**3WL9111-0AJ05-0AA0**		1	1 unit	1CA	0.140
	Note							
	Possible only for circuit breakers with closing coil.							
	Motor shutdown switches[6)] (S12) • Mounting on operator panel • Spare part for option **S25,** for "-Z" + order code, see page 1/96.		**3WL9111-0AJ06-0AA0**		1	1 unit	1CA	0.100
 NSE0_00985 3WL9111-0BA72-0AA0	**EMERGENCY-STOP pushbuttons** • Mushroom pushbutton instead of the mechanical OFF pushbutton • Spare part for option **S24,** for "-Z" + order code, see page 1/96.		**3WL9111-0BA72-0AA0**		1	1 unit	1CA	0.080

1) Not possible with communications interface option, order codes "F02" or "F12".

2) X7 auxiliary supply connector required for circuit breakers or guide frames. If this is not already available, please order additionally (see page 1/101 and page 1/109).

3) Can only be used in combination with 1st tripped signaling switch.

4) Only in conjunction with motorized operating mechanism.

5) Not possible with motor shutdown switch.

6) Not possible with electrical ON button.

7) Not available for non-automatic air circuit breakers.

* You can order this quantity or a multiple thereof.

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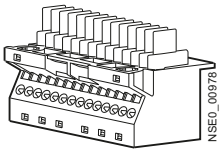
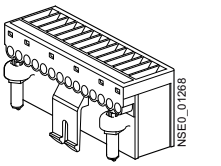
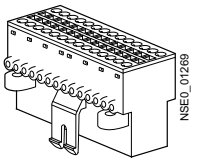
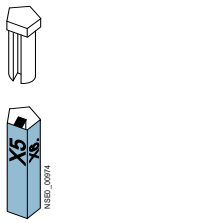
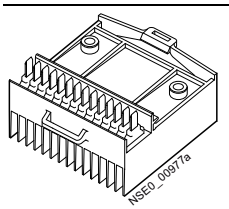
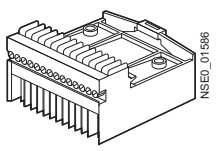
	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Auxiliary conductor connections								
 3WL9111-0AB01-0AA0	**Male connectors for circuit breakers** ①		**3WL9111-0AB01-0AA0**		1	1 unit	1CA	0.100
	Extension for the 1000 V male connector versions Male connector must be ordered separately.		**3WL9111-0AB02-0AA0**		1	1 unit	1EA	0.150
	Male connectors and extension for 1000 V		**3WL9111-0AB10-0AA0**		1	1 unit	1EA	1.000
 3WL9111-0AB03-0AA0	**Auxiliary supply connectors for circuit breakers or guide frames** ② Versions							
	• Screw connection (SIGUT)		**3WL9111-0AB03-0AA0**		1	1 unit	1CA	0.070
 3WL9111-0AB04-0AA0	• Screwless connection method (tension spring)		**3WL9111-0AB04-0AA0**		1	1 unit	1CA	0.070
 3WL9111-0AB07-0AA0	**Coding kits** For fixed-mounted versions (X5 to X8) ③		**3WL9111-0AB07-0AA0**		1	1 unit	1CA	0.020
 3WL9111-0AB08-0AA0	**Sliding contact modules for guide frames** ④		**3WL9111-0AB08-0AA0**		1	1 unit	1CA	0.100
 3WL9111-0AB18-0AA0	**One-part sliding contact modules for guide frames** Screw connection (SIGUT) ⑤		**3WL9111-0AB18-0AA0**		1	1 unit	1CA	0.120
	Blanking blocks for circuit breakers		**3WL9111-0AB12-0AA0**		1	1 unit	1CA	0.030

For a complete auxiliary current connection you must order:

Fixed-mounted version: ① + ② + ③

Withdrawable version: ① + ④ + ② or ① + ⑤

*** You can order this quantity or a multiple thereof.**

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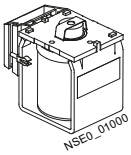
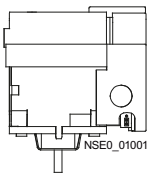
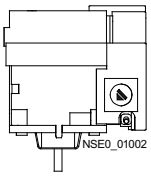
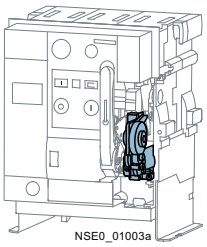
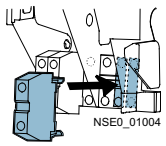
Accessories and spare parts

	Designation		DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Auxiliary releases									
 3WL9111-0AD06-0AA0	**Closing coils/shunt releases**								
	Versions	Voltage							
	100 % OP	24 V DC		3WL9111-0AD01-0AA0		1	1 unit	1CA	0.700
		30 V DC		3WL9111-0AD02-0AA0		1	1 unit	1CA	0.700
		48 V DC		3WL9111-0AD03-0AA0		1	1 unit	1CA	0.700
		60 V DC		3WL9111-0AD04-0AA0		1	1 unit	1CA	0.700
		110 ... 125 V DC/110 ... 127 V AC		3WL9111-0AD05-0AA0		1	1 unit	1CA	0.700
		220 ... 250 V DC/208 ... 240 V AC		3WL9111-0AD06-0AA0		1	1 unit	1CA	0.700
	5 % OP[1]	24 V DC		3WL9111-0AD11-0AA0		1	1 unit	1CA	0.700
		48 V DC		3WL9111-0AD12-0AA0		1	1 unit	1CA	0.700
		110 ... 125 V DC/110 ... 127 V AC		3WL9111-0AD13-0AA0		1	1 unit	1CA	0.700
		220 ... 250 V DC/208 ... 240 V AC		3WL9111-0AD14-0AA0		1	1 unit	1CA	1.800
 3WL9111-0AE0.-0AA0	**Undervoltage releases**								
	Versions	Voltage							
	Instantaneous	24 V DC		3WL9111-0AE01-0AA0		1	1 unit	1CA	0.730
		30 V DC		3WL9111-0AE02-0AA0		1	1 unit	1CA	0.730
		48 V DC		3WL9111-0AE03-0AA0		1	1 unit	1CA	0.730
		60 V DC		3WL9111-0AE07-0AA0		1	1 unit	1CA	0.730
		110 ... 125 V DC/110 ... 127 V AC		3WL9111-0AE04-0AA0		1	1 unit	1CA	0.730
		220 ... 250 V DC/208 ... 240 V AC		3WL9111-0AE05-0AA0		1	1 unit	1CA	0.730
 3WL9111-0AE1.-0AA0	Delayed	48 V DC		3WL9111-0AE11-0AA0		1	1 unit	1CA	0.740
		110 ... 125 V DC/110 ... 127 V AC		3WL9111-0AE12-0AA0		1	1 unit	1CA	0.740
		220 ... 250 V DC/208 ... 240 V AC		3WL9111-0AE13-0AA0		1	1 unit	1CA	0.740
Operating mechanisms									
 3WL9111-0AF0.-0AA0	**Motorized operating mechanisms[2]**								
	Versions								
	• 24 ... 30 V DC			3WL9111-0AF01-0AA0		1	1 unit	1CA	1.510
	• 48 ... 60 V DC			3WL9111-0AF02-0AA0		1	1 unit	1CA	1.510
	• 110 ... 125 V DC/110 ... 127 V AC			3WL9111-0AF03-0AA0		1	1 unit	1CA	1.510
	• 220 ... 250 V DC/208 ... 240 V AC			3WL9111-0AF04-0AA0		1	1 unit	1CA	1.510
Auxiliary contacts									
 3WL9111-0AG03-0AA0	**Auxiliary switch blocks**								
	Versions								
	• 2 NO contacts + 2 NC contacts			3WL9111-0AG01-0AA0		1	1 unit	1CA	0.180
	• 2 NO contacts			3WL9111-0AG02-0AA0		1	1 unit	1CA	0.080
	• 1 NO contact + 1 NC contact			3WL9111-0AG03-0AA0		1	1 unit	1CA	0.070

[1] Overexcited, i.e. operating time 50 ms (standard > 80 ms).

[2] X5 auxiliary supply connector required for circuit breakers or guide frames. If this is not already available, please order additionally (see page 1/101 and page 1/109).

* You can order this quantity or a multiple thereof.

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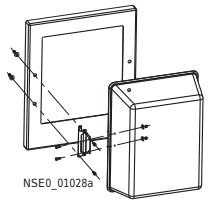
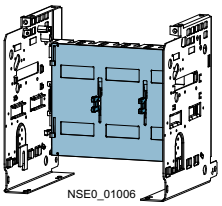
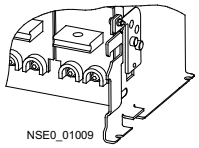
	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Door sealing frames, hoods, shutters								
	Door sealing frames Spare part for option **T40,** for "-Z" + order code, see page 1/96.		**3WL9111-0AP01-0AA0**		1	1 unit	1CA	0.360
 3WL9111-0AP02-0AA0	**Protective covers** IP55 Notes • Cannot be used in conjunction with door sealing frames • Hood removable and can be opened on both sides		**3WL9111-0AP03-0AA0**		1	1 unit	1CA	1.690
 3WL9111-0AP..-0AA0	**Shutters** Spare part for option **R21,** for "-Z" + order code, see page 1/97.							
	Number of poles: 3-pole; Size: I		**3WL9111-0AP04-0AA0**		1	1 unit	1CA	0.500
	Number of poles: 3-pole; Size: II		**3WL9111-0AP06-0AA0**		1	1 unit	1CA	0.630
	Number of poles: 3-pole; Size: III		**3WL9111-0AP07-0AA0**		1	1 unit	1CA	0.860
	Number of poles: 4-pole; Size: I		**3WL9111-0AP08-0AA0**		1	1 unit	1CA	0.600
	Number of poles: 4-pole; Size: II		**3WL9111-0AP11-0AA0**		1	1 unit	1CA	0.770
	Number of poles: 4-pole; Size: III		**3WL9111-0AP12-0AA0**		1	1 unit	1CA	1.070
Coding for withdrawable version								
 3WL9111-0AR12-0AA0 3WL9111-0AR13-0AA0	**Coding for withdrawable version** By customer, for 36 coding variants Versions							
	• Sizes I and II		**3WL9111-0AR12-0AA0**		1	1 unit	1CA	0.400
	• Size III		**3WL9111-0AR13-0AA0**		1	1 unit	1CA	0.310

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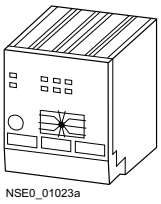
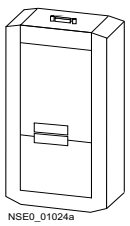
Accessories and spare parts

	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Support brackets								
3WL9111-0BB50-0AA0	**Support brackets** • For mounting fixed-mounted circuit breakers on vertical plane • Only for sizes I and II (1 set = 2 units)		**3WL9111-0BB50-0AA0**		1	1 unit	1CA	7.000
CubicleBUS modules[1)4)]								
 NSE0_01023a 3WL9111-0AT23-0AA0	**Digital output modules with rotary coding switch, relay outputs**		**3WL9111-1AT26-0AA0**		1	1 unit	1EA	0.350
	Digital output modules, configurable, relay outputs		**3WL9111-1AT20-0AA0**		1	1 unit	1EA	0.400
	Digital input modules		**3WL9111-1AT27-0AA0**		1	1 unit	1EA	0.300
	Analog output modules		**3WL9111-1AT23-0AA0**		1	1 unit	1EA	0.300
	Zone Selective Interlocking modules		**3WL9111-1AT21-0AA0**		1	1 unit	1EA	0.240
Parameterization systems[2)]								
 NSE0_01024a 3WL9111-0AT28-0AA0	**BDA *Plus***[2)3)] • Parameterization, operation, monitoring and diagnostics of 3WL air circuit breakers using the local interface • Breaker Data Adapter, connection cable to the 3WL air circuit breaker and to the programming device (e.g. notebook) • Can be run with Internet Explorer with JAVA2 VM 1.4.0-01 and higher • With Ethernet interface for connection to Ethernet/Intranet/ Internet		**3WL9111-2AT33-0AA0**		1	1 unit	1CA	1.000
	Connection cables for BDA *Plus* • Connection cable for connection of BDA *Plus* to terminal X8 of the 3WL air circuit breaker • Required if neither COM15 nor COM16 nor other external **Cubicle**BUS modules are available • Length 2 m		**3WL9111-0BC21-0AA0**		1	1 unit	1CA	0.350
	powerconfig parameterization software • Parameterization, operation, monitoring and diagnostics of 3WL air circuit breakers using the powerconfig software, see chapter "Measuring Devices and Power Monitoring". • powerconfig is available free of charge at http://support.automation.siemens.com/WW/view/en/22951684/133100							

1) Each **Cubicle**BUS module is supplied with a 0.2 m factory-fitted cable to connect the modules with each other. A longer factory-fitted cable is required for connection to the circuit breaker.

2) A 24 V DC power supply unit is required.

3) Operation under Windows Vista and Windows 7 possible with restrictions.

4) All communication components, **Cubicle**BUS modules and measurement functions are available for the releases ETU45B.

* You can order this quantity or a multiple thereof.

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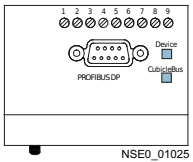
	Designation	DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Accessories for communications[3]								
	Preassembled cables for CubicleBUS **modules**							
	Versions							
	• 0.2 m long, for connection to 3WL with COM15/COM16		**3WL9111-0BC04-0AA0**		1	1 unit	1CA	0.020
	• 1 m long, for connection to 3WL with COM15/COM16		**3WL9111-0BC02-0AA0**		1	1 unit	1CA	0.050
	• 2 m long, for connection to 3WL with COM15/COM16		**3WL9111-0BC03-0AA0**		1	1 unit	1CA	0.060
	• 2 m long, for connection to 3WL without COM15/COM16		**3WL9111-0BC05-0AA0**		1	1 unit	1CA	0.070
	SENTRON manual for communication solutions • Detailed description of the communication functions for circuit breakers. Installation, connection, commissioning, data transmission to the PLC. • Free download from: www.siemens.com/lowvoltage/manuals							
	Voltage transformers • 3-pole, for 3WL circuit breakers with measurement function *Plus*[1] • 380 ... 690 V/100 V, class 0.5		**3WL9111-0BB68-0AA0**		1	1 unit	1CA	2.600
Retrofitting and spare parts[3]								
 3WL9111-0AT15-0AA0	**COM15 PROFIBUS module** For ETU45B Electronic Trip Unit		**3WL9111-1AT65-0AA0**		1	1 unit	1EA	0.560
	COM16 MODBUS modules For ETU45B Electronic Trip Unit		**3WL9111-1AT15-0AA0**		1	1 unit	1CA	0.180
	Breaker status sensor (BSS) For ETU45B Electronic Trip Unit		**3WL9111-1AT16-0AA0**		1	1 unit	1EA	0.137
	Measurement function *Plus*[2] Voltage transformer required		**3WL9111-1AT03-0AA0**		1	1 unit	1EA	0.310

1) Is required for operation of the measurement function *Plus*.

2) A measuring accuracy of 3 % is reached if retrofitted.

3) All communication components, **Cubicle**BUS modules and measurement functions are available for the ETU45B Electronic Trip Unit.

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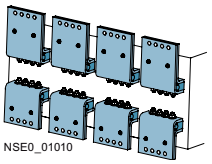
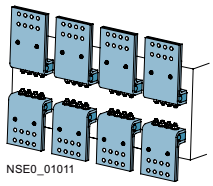
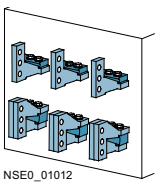
	Designation		DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Main conductor connections, fixed-mounted versions (required accessory)									
	Specified for each connection								
 NSE0_01010 3WL9111-0AL06-0AA0 + 3WL9111-0AL56-0AA0	**Front-accessible main connections, single hole at top**								
	Size	Rated current I_n							
	I	Up to 1000 A		3WL9111-0AL01-0AA0		1	1 unit	1CA	1.100
		1250 A to 1600 A		3WL9111-0AL02-0AA0		1	1 unit	1CA	1.600
	II	Up to 2000 A		3WL9111-0AL03-0AA0		1	1 unit	1CA	2.000
		Up to 2500 A		3WL9111-0AL04-0AA0		1	1 unit	1CA	3.600
		Up to 3200 A		3WL9111-0AL05-0AA0		1	1 unit	1CA	3.500
	III	Up to 4000 A		3WL9111-0AL06-0AA0		1	1 unit	1CA	6.100
	Front-accessible main connections, single hole at bottom								
	Size	Rated current I_n							
	I	Up to 1000 A		3WL9111-0AL51-0AA0		1	1 unit	1CA	1.000
		1250 A to 1600 A		3WL9111-0AL52-0AA0		1	1 unit	1CA	1.300
	II	Up to 2000 A		3WL9111-0AL53-0AA0		1	1 unit	1CA	1.800
		Up to 2500 A		3WL9111-0AL54-0AA0		1	1 unit	1CA	3.100
		Up to 3200 A		3WL9111-0AL55-0AA0		1	1 unit	1CA	3.000
	III	Up to 4000 A		3WL9111-0AL56-0AA0		1	1 unit	1CA	5.200
 NSE0_01011 3WL9111-0AL14-0AA0 + 3WL9111-0AL64-0AA0	**Front-accessible main connections according to DIN 43673, double hole at top**								
	Size	Rated current I_n							
	I	Up to 1000 A		3WL9111-0AL07-0AA0		1	1 unit	1CA	1.400
		1250 A to 1600 A		3WL9111-0AL08-0AA0		1	1 unit	1CA	2.000
	II	Up to 2000 A		3WL9111-0AL11-0AA0		1	1 unit	1CA	2.400
		Up to 2500 A		3WL9111-0AL12-0AA0		1	1 unit	1CA	4.500
		Up to 3200 A		3WL9111-0AL13-0AA0		1	1 unit	1CA	4.400
	III	Up to 4000 A		3WL9111-0AL14-0AA0		1	1 unit	1CA	7.800
	Front-accessible main connections according to DIN 43673, double hole at bottom								
	Size	Rated current I_n							
	I	Up to 1000 A		3WL9111-0AL57-0AA0		1	1 unit	1CA	1.300
		1250 A to 1600 A		3WL9111-0AL58-0AA0		1	1 unit	1CA	1.700
	II	Up to 2000 A		3WL9111-0AL61-0AA0		1	1 unit	1CA	2.000
		Up to 2500 A		3WL9111-0AL62-0AA0		1	1 unit	1CA	3.700
		Up to 3200 A		3WL9111-0AL63-0AA0		1	1 unit	1CA	3.600
	III	Up to 4000 A		3WL9111-0AL64-0AA0		1	1 unit	1CA	6.400
 NSE0_01012 3WL9111-0AM03-0AA0	**Rear vertical main connections**								
	Size	Rated current I_n							
	I[1)]	Up to 1600 A		3WL9111-0AM01-0AA0		1	1 unit	1CA	0.500
	II[2)]	Up to 3200 A		3WL9111-0AM02-0AA0		1	1 unit	1CA	2.200
	III	Up to 6300 A		3WL9111-0AM03-0AA0		1	1 unit	1CA	5.000

1) In the case of vertical connection size I with breaking capacity N and S, up to 1000 A one 3WL9111–0AM01-0AA0 vertical connection is required, up to 1600 A two 3WL9111-0AM01-0AA0 vertical connections are required.

2) In the case of vertical connection size II, up to 2500 A one 3WL9111-0AM02-0AA0 vertical connection is required, up to 3200 A two 3WL9111-0AM02-0AA0 vertical connections are required.

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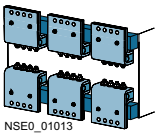
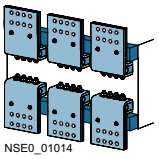
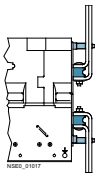
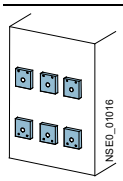
	Designation		DT	Article No. www.siemens.com/product?Article No.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Main conductor connections, withdrawable versions (required accessory)									
	Specified for each connection								
 NSE0_01013 3WL9111-0AN06-0AA0	**Front-accessible main connections, single hole at top or at bottom[1)]**								
	Size	Rated current I_n							
	I	Up to 1000 A		3WL9111-0AN01-0AA0		1	1 unit	1CA	1.000
		1250 A to 1600 A		3WL9111-0AN02-0AA0		1	1 unit	1CA	1.300
	II	Up to 2000 A		3WL9111-0AN03-0AA0		1	1 unit	1CA	1.800
		Up to 2500 A		3WL9111-0AN04-0AA0		1	1 unit	1CA	3.100
		Up to 3200 A		3WL9111-0AN05-0AA0		1	1 unit	1CA	3.000
	III	Up to 4000 A		3WL9111-0AN06-0AA0		1	1 unit	1CA	5.200
 NSE0_01014 3WL9111-0AN14-0AA0	**Front-accessible main connections according to DIN 43673, double hole at top or at bottom[1)]**								
	Size	Rated current I_n							
	I	Up to 1000 A		3WL9111-0AN07-0AA0		1	1 unit	1CA	1.300
		1250 A to 1600 A		3WL9111-0AN08-0AA0		1	1 unit	1CA	1.700
	II	Up to 2000 A		3WL9111-0AN11-0AA0		1	1 unit	1CA	2.000
		Up to 2500 A		3WL9111-0AN12-0AA0		1	1 unit	1CA	3.700
		Up to 3200 A		3WL9111-0AN13-0AA0		1	1 unit	1CA	3.600
	III	Up to 4000 A		3WL9111-0AN14-0AA0		1	1 unit	1CA	6.400
 NSE0_01017 3WL9111-0AN41-0AA0	**Supports for front and DIN connecting bars**								
	Number of poles	Size							
	3-pole for 3 bars	I		3WL9111-0AN41-0AA0		1	1 unit	1CA	0.700
		II		3WL9111-0AN42-0AA0		1	1 unit	1CA	1.350
		III		3WL9111-0AN43-0AA0		1	1 unit	1CA	2.420
	4-pole for 4 bars	I		3WL9111-0AN44-0AA0		1	1 unit	1CA	1.200
		II		3WL9111-0AN45-0AA0		1	1 unit	1CA	2.200
		III		3WL9111-0AN46-0AA0		1	1 unit	1CA	3.200
NSE0_01015 3WL9111-0AN23-0AA0	**Rear vertical main connections**								
	Size	Rated current I_n							
	I	Up to 1000 A		3WL9111-0AN15-0AA0		1	1 unit	1CA	0.660
		1250 A to 1600 A		3WL9111-0AN16-0AA0		1	1 unit	1CA	0.870
	II	Up to 2000 A		3WL9111-0AN17-0AA0		1	1 unit	1CA	1.150
		Up to 2500 A		3WL9111-0AN18-0AA0		1	1 unit	1CA	1.490
		Up to 3200 A		3WL9111-0AN21-0AA0		1	1 unit	1CA	2.580
	III	Up to 5000 A		3WL9111-0AN22-0AA0		1	1 unit	1CA	6.380
	Rear horizontal main connections								
	Size	Rated current I_n							
	I	Up to 1000 A		3WL9111-0AN32-0AA0		1	1 unit	1CA	0.630
		1250 A to 1600 A		3WL9111-0AN33-0AA0		1	1 unit	1CA	0.770
	II	Up to 2000 A		3WL9111-0AN34-0AA0		1	1 unit	1CA	1.020
		Up to 2500 A		3WL9111-0AN35-0AA0		1	1 unit	1CA	1.240
		Up to 3200 A		3WL9111-0AN36-0AA0		1	1 unit	1CA	2.170
	III	Up to 5000 A		3WL9111-0AN37-0AA0		1	1 unit	1CA	3.860
 NSE0_01016 3WL9111-0AN24-0AA0	**Connecting flange**								
	Size	Rated current I_n							
	I	Up to 1000 A		3WL9111-0AN24-0AA0		1	1 unit	1CA	0.610
		1250 A to 1600 A		3WL9111-0AN25-0AA0		1	1 unit	1CA	0.640
	II	Up to 2000 A		3WL9111-0AN26-0AA0		1	1 unit	1CA	0.980
		Up to 2500 A		3WL9111-0AN27-0AA0		1	1 unit	1CA	1.020
		Up to 3200 A		3WL9111-0AN28-0AA0		1	1 unit	1CA	1.310
	III	Up to 4000 A		3WL9111-0AN31-0AA0		1	1 unit	1CA	2.370
Conversion sets									
	Conversion set for converting fixed-mounted circuit breakers into withdrawable circuit breakers • Only for AC circuit breakers/non-automatic air circuit breakers • Guide frames and sliding contact modules must be ordered separately								
	Number of poles	Size							
	3-pole	I		3WL9111-0BC11-0AA0		1	1 unit	1CA	5.100
		II		3WL9111-0BC12-0AA0		1	1 unit	1CA	5.900
		III		3WL9111-0BC13-0AA0		1	1 unit	1CA	8.100
	4-pole	I		3WL9111-0BC14-0AA0		1	1 unit	1CA	6.400
		II		3WL9111-0BC15-0AA0		1	1 unit	1CA	6.450
		III		3WL9111-0BC16-0AA0		1	1 unit	1CA	10.700

[1)] When using front-accessible mains connections (withdrawable circuit breakers) supports are required.

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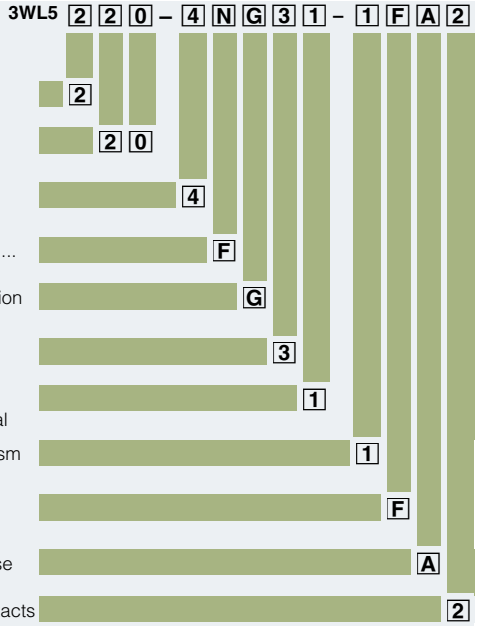
Options

Structure of the Article No.



Example

5th position:	Size	Size II
6th and 7th positions:	Max. rated circuit breaker current $I_{n\,max}$	$I_{n\,max}$ = 2000 A
8th position:	Breaking capacity class	High breaking capacity "H": 100 kA
9th position:	Electronic Trip Units	ETU45B with 4-line display ...
10th position:	Electronic Trip Unit supplement	... with ground-fault protection
11th position:	Number of poles	Three-pole
12th position:	Installation type	Fixed-mounted, main connections on rear, vertical
13th position:	Operating mechanisms	Manual operating mechanism with mechanical closing
14th position:	1st auxiliary release	Shunt release 50/60 Hz 110 V AC
15th position:	2nd auxiliary release	Without 2nd auxiliary release
16th position:	Auxiliary switches	2 NO contacts + 2 NC contacts

An important prerequisite for computer-based order processing is that article numbers must be structured according to standardized criteria.

They are used as an unambiguous means of communication for various purposes:

- Offer processing
  Selection and configuration
- Order processing
  Orders
  Order confirmation
  Processing of products for storage
  Order processing in supply locations
  Supply and dispatch
- Reporting and planning
- Service and warranty

The standardized structure ensures that only one Article No. has to be administered for one device.

This saves time and effort during planning, configuring, ordering and in stock keeping, and consequently above all it saves costs.

The example opposite explains the various positions within an Article No.

Accessories: With first order (components are already mounted)

Example

3WL5 2 1 6 – 4 J G 3 1 – 1 F A 3 – Z F 0 2

"-Z" with order code

Communications interface "Standard" + Breaker Status Sensor (BSS) + communication module COM15 for connection to PROFIBUS DP

Z F 0 2

Additional accessory components can be ordered ready-mounted.

These supplements are identified by **"–Z"**.

Even with additional components, one Article No. is sufficient.

Accessories: For retrofitting (components for subsequent fitting)

Example

3WL9 1 1 1 – 0 B A 2 1 – 0 A A 0

Interlocking set for mechanical ON/OFF without lock

Additional accessories which are not intended to be ready-mounted in the factory, such as spare parts for storage, can also be ordered separately from the circuit breaker.

Accessories for retrofitting are identified by the Article No. stem 3WL9.

Documentation

PROFIBUS manual	German	Article No.	**A5E0151347**
Communication	English	Article No.	**A5E0151353**
MODBUS manual	German	Article No.	**3ZX1012-0WL10-1AB1**
Communication	English	Article No.	**3ZX1012-0WL10-1AC1**

Free download of documentation from
www.siemens.com/lowvoltage/manuals

More information

Up-to-date information on the Internet at:
www.siemens.com/sentron

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