

SIEMENS



IEC WL Circuit Breakers

2014 Selection Guide

Siemens 3WL IEC Breakers 2014



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For further technical product information:

[Configuration Manual](#)

IEC WL Technical Guide 2014
Xerox Code: xxxxxxxxxxxxxx

[Service & Support Portal](#)

www.siemens.com/lowvoltage/product-support



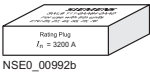



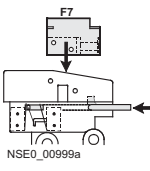
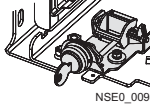
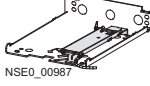
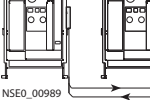
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Technical specifications


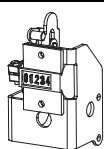
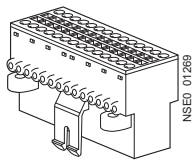
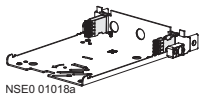
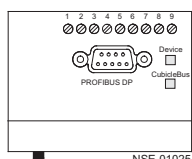
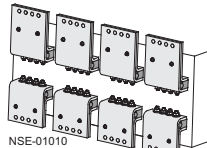
→ Entry List:
Certificates / Characteristics /
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Updates

Air Circuit Breakers

Introduction

Overview

Devices	Page	Applications/ Individual components	Standards	Used in		
				Non-residential buildings	Residential buildings	Industry
	9 ... 36	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 according to IEC 60068-2-30	✓	--	✓
	66 ... 68	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 according to IEC 60068-2-30	✓	--	✓
Protective device with device holder and optional measurement function (ETU)	51	Electronic Trip Unit with protection functions LI, LSI, LSING and LSIN(G), with or without measurement function <i>Plus</i>	As for circuit breakers	✓	--	✓
 NSE0_00992b	51	Rating Plug $I_n = 3200$ A	As for circuit breakers	✓	--	✓
 NSE0_01027a	51	Ground-fault modules With alarm and tripping	As for circuit breakers	✓	--	✓
 NSE0_01609	51	Displays 4-line displays for ETU45B	As for circuit breakers	✓	--	✓
 NSE0_00990a	51	Current transformers for N conductor protection Internal transformers for N conductors, external transformers for N conductors	As for circuit breakers	✓	--	✓
EMC filters	51	Common-mode interference suppressor filters	As for circuit breakers	✓	--	✓
 NSE0_00999a	52	More accessories for Electronic Trip Units 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	✓	--	✓
 NSE0_00982	52	Locking devices 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	53	Locking mechanisms 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	54	Interlocks Mutual mechanical interlocking, couplings on the circuit breaker (with ring) for mutual interlocking, Bowden wire	As for circuit breakers	✓	--	✓

Devices	Page	Applications/ Individual components	Standards	Used in			
				Non-residential buildings	Residential buildings	Industry	
	Transfer control devices 3KC ATC5300	Ch. 12	The transfer control device, equipped with two motor-driven circuit breakers, serves 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	54	Manual tester Release 2 for Electronic Trip Units, function testers	As for circuit breakers	✓	--	✓
	Capacitor storage devices	54	For shunt releases	As for circuit breakers	✓	--	✓
	Indicators, control elements	55	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	✓	--	✓
	Auxiliary conductor connections	56	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 releases	57	Closing solenoids/shunt releases, undervoltage releases	As for circuit breakers	✓	--	✓
	Operating mechanisms	57	Motorized operating mechanism	As for circuit breakers	✓	--	✓
	Auxiliary contacts	57	Auxiliary switch blocks	As for circuit breakers	✓	--	✓
	Door sealing frames, hoods, shutters	58	Door sealing frames, IP55 protective covers, shutters	As for circuit breakers	✓	--	✓
	Arc chutes	58	Arc chutes, arc chute covers	As for circuit breakers	✓	--	✓
	Coding for withdrawable version	58	By customer, for 36 coding variants	As for circuit breakers	✓	--	✓
	Grounding connection	59	Grounding connection between the guide frame and the withdrawable circuit breaker, contacting modules for withdrawable circuit breakers	As for circuit breakers	✓	--	✓
	Support brackets	59	For mounting fixed-mounted circuit breakers on vertical plane	As for circuit breakers	✓	--	✓
	CubicleBUS modules	59	Digital and analog input and output modules, Zone Selective Interlocking modules	As for circuit breakers	✓	--	✓
	Parameterization systems	59	Breaker Data Adapter (BDA), BDA <i>Plus</i> , Connection cables for BDA <i>Plus</i> , powerconfig parameterization software	As for circuit breakers	✓	--	✓
	Accessories for communications	60	Factory-fitted cables for CubicleBUS modules, voltage transformers	As for circuit breakers	✓	--	✓
	Retrofitting and spare parts	60	PROFIBUS retrofit kits, COM15 PROFIBUS modules, COM16 MODBUS modules, MODBUS IEC retrofit kits, Breaker Status Sensor (BSS), measurement function <i>Plus</i>	As for circuit breakers	✓	--	✓
	Main conductor connections, fixed-mounted, main conductor connections, withdrawable	61, 62	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	✓	--	✓

Air Circuit Breakers

Introduction



Size I

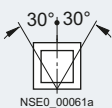
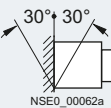
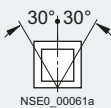
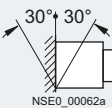
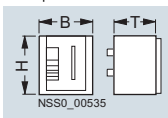


Size II



Size III

Air circuit breakers

Size	A	3WL air circuit breakers/non-automatic air circuit breakers up to 6300 A (AC), IEC			3WL non-automatic air circuit breakers up to 4000 A (DC)	
		I, II, III	II	III	II	
Rated current I_n	A	630, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6300			1000, 2000, 4000	
Number of poles		3-pole, 4-pole			3-pole, 4-pole	
Rated operational voltage U_e	V AC V DC	... 690/1000/1150 --			-- ... 1000	
Rated ultimate short-circuit breaking capacity at 500 V AC	kA	Size I 55/66/85	Size II 66/80/100	Size III 100/150 (3-pole), 130 (4-pole)	30/25/20 (at 300/600/1000 V DC)	
Endurance	Operating cycles	Up to 20000	15000	10000	15000	
Mounting position		 NSE0_00061a	 NSE0_00062a	 NSE0_00061a	 NSE0_00062a	
Degree of protection With cover Without cover (with door sealing frame)		IP55 IP41			IP55 IP41	
Dimensions 3-/4-pole	W mm H mm D mm	320/410	460/590	704/914	460/590	
	Fixed-mounted	H mm	434	434	434	
		D mm	291	291	291	291
	Withdrawable	H mm	465.5	465.5	465.5	465.5
		D mm	471	471	471	471



Electronic Trip Units for 3WL circuit breakers

Type	ETU15B ¹⁾	ETU25B	ETU27B	ETU45B	ETU76B
Overload protection	✓	✓	✓	✓	✓
Short-time delayed short-circuit protection	--	✓	✓	✓	✓
Instantaneous short-circuit protection	✓	✓	✓	✓	✓
Neutral conductor protection	--	--	✓	✓	✓
Ground-fault protection	--	--	✓	□	□
Zone Selective Interlocking	--	--	--	□	□
LCD, 4-line	--	--	--	□	--
LCD, graphic	--	--	--	--	✓
Communication	--	--	--	□	□
Measurement function <i>Plus</i>	--	--	--	□	□
Selectable parameter sets	--	--	--	--	✓
Parameters freely programmable	--	--	--	--	✓
CubicleBUS	--	--	--	✓	✓

- ✓ Standard
- Not available
- Optional

¹⁾ ETU15B cannot be used with 3WL circuit breakers, size III.

Breaking capacity

Size	I					II					III							
Type	3WL11					3WL12					3WL13							
Breaking capacity	N	(N)	S	(S)	H	(H)	N	(N)	S	(S)	H	(H)	H	(H)	C	(C)	C	(C)
Short-circuit breaking capacity																		
Rated operational voltage U_e up to 415 V AC																		
I_{cu}	kA	55	66	85	66	80	100	100	150	130								
I_{cs}	kA	55	66	85	66	80	100	100	150	130								
I_{cm}	kA	121	145	187	145	176	220	220	330	286								
Rated operational voltage U_e up to 500 V AC																		
I_{cu}	kA	55	66	85	66	80	100	100	150	130								
I_{cs}	kA	55	66	85	66	80	100	100	150	130								
I_{cm}	kA	121	145	187	145	176	220	220	330	286								
Rated operational voltage U_e up to 690 V AC																		
I_{cu}	kA	42	50	66	50	75	85	85	150	130								
I_{cs}	kA	42	50	66	50	75	85	85	150	130								
I_{cm}	kA	88	105	145	105	165	187	187	330	286								
Rated operational voltage U_e up to 1000 V/1150 V AC																		
I_{cu}	kA	--	--	50 ⁹⁾	--	--	50	50	70 ⁴⁾	70 ⁴⁾								
I_{cs}	kA	--	--	50 ⁹⁾	--	--	50	50	70 ⁴⁾	70 ⁴⁾								
I_{cm}	kA	--	--	105 ⁹⁾	--	--	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								
1 s	kA	42	50	66	55	66	80	80	100	100								
2 s	kA	29.5	35	46	39	46	65 ^{1)/70²⁾}	80	80	80								
3 s	kA	24	29	44	32	44	50 ^{1)/65²⁾}	65	65	65								
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	100	100	100								
Up to 690 V AC	kA	42	50	66	50	75	85	85	100	100								
Up to 1000 V / 1150 V AC	kA	--	--	50 ⁹⁾	--	--	50 ⁴⁾	50 ⁴⁾	70 ⁴⁾	70 ⁴⁾								

Size	II				
Type	3WL12				
Breaking capacity	DC				
Short-circuit breaking capacity					
Up to 220 V DC	I_{cc}	kA	35		
Up to 300 V DC	I_{cc}	kA	30		
Up to 600 V DC	I_{cc}	kA	25		
Up to 1000 V DC	I_{cc}	kA	20		
Rated short-time withstand current I_{cw}					
0.5 s	kA	--			
1 s	kA	35 ⁵⁾ /30 ⁶⁾ /25 ⁷⁾ /20 ⁸⁾			
2 s	kA	--			
3 s	kA	--			

- (N) Circuit breaker with ECO breaking capacity N
- (S) Circuit breaker with standard breaking capacity S
- (H) Circuit breaker 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 IEC WL Technical Guide 2014

- 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.

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

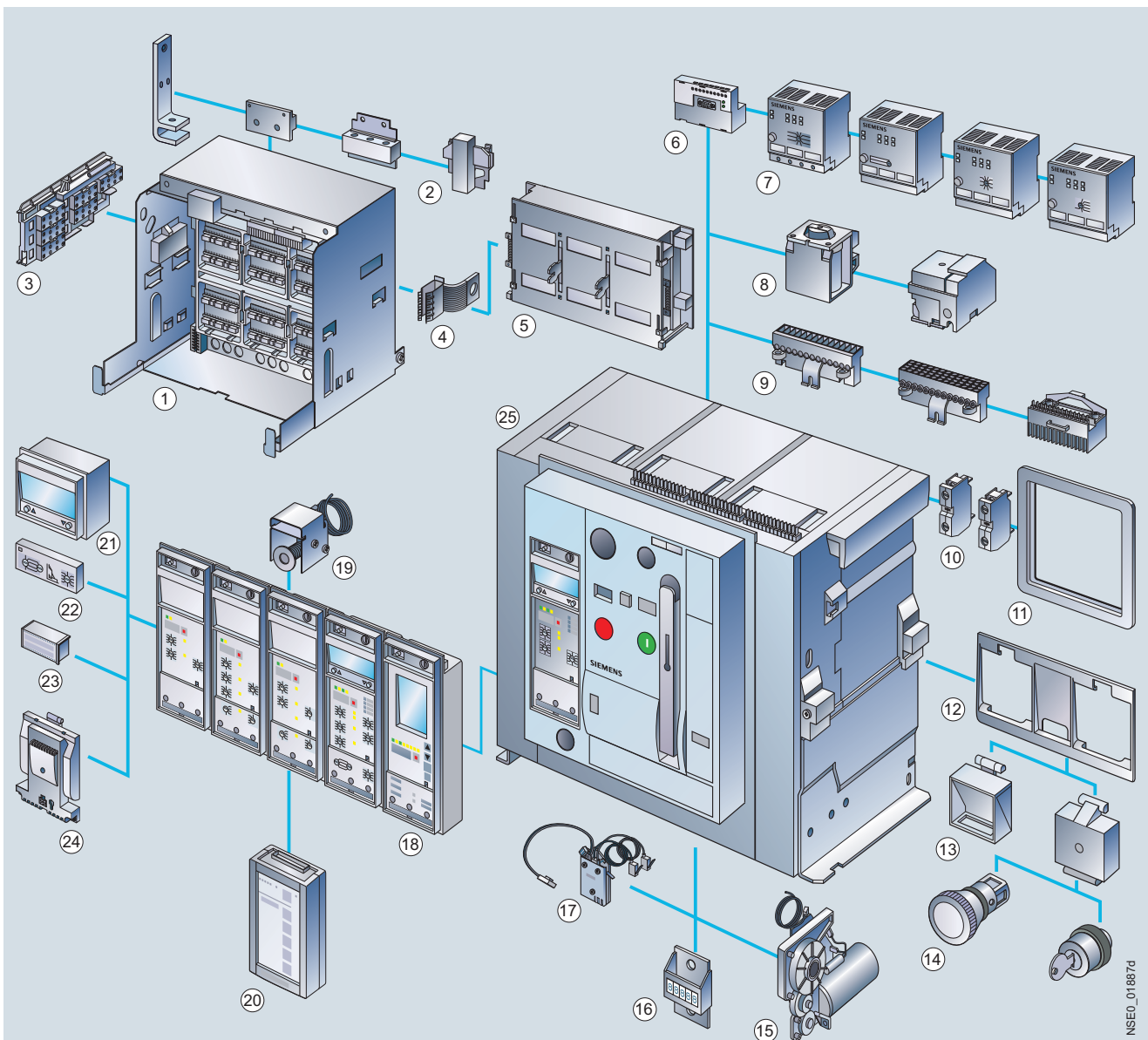
* Designations according to IEC 60947-2, Appendix K.

- 4) Rated operational voltage $U_e = 1150$ V.
- 5) At $U_e = 220$ V DC.
- 6) At $U_e = 300$ V DC.
- 7) At $U_e = 600$ V DC.
- 8) At $U_e = 1000$ V DC.
- 9) Values also apply to 690 V + 20 % version with Z-option "A16".

Air Circuit Breakers

Introduction

3WL air circuit breakers:
Superior individual products integrated into uniform power distribution systems - up to and including industry-specific industrial and infrastructure solutions



Guide frame (pages 45 to 50)

Main circuit connection front, flange, horizontal, vertical (pages 42, 61 and 62)

Position signaling switch (pages 40 and 55)

Grounding connection, leading (page 59)

Shutters (pages 40 and 58)

COM15 PROFIBUS module or COM16 MODBUS module (pages 40 and 60)

External **Cubicle**BUS modules (page 59)

Closing coil, auxiliary release (pages 37, 39 and 57)

Auxiliary conductor plug-in system (pages 41 and 56)

Auxiliary switch block (pages 37 and 57)

Door sealing frame (pages 39 and 58)

Interlocking set for mechanical ON/OFF (page 52)

Transparent panel, function insert (page 52)

EMERGENCY-STOP pushbutton, key operated (page 55)

Motorized operating mechanism (pages 39 and 57)

Operating cycles counters (pages 39 and 55)

Breaker status sensor (BSS) (pages 40 and 60)

Protective device with device holder, Electronic Trip Unit (ETU) (page 51)

Remote reset solenoid (pages 39 and 52)

Breaker data adapter (BDA *Plus*) (page 59)

Four-line display (page 51)

Ground-fault protection module (page 51)

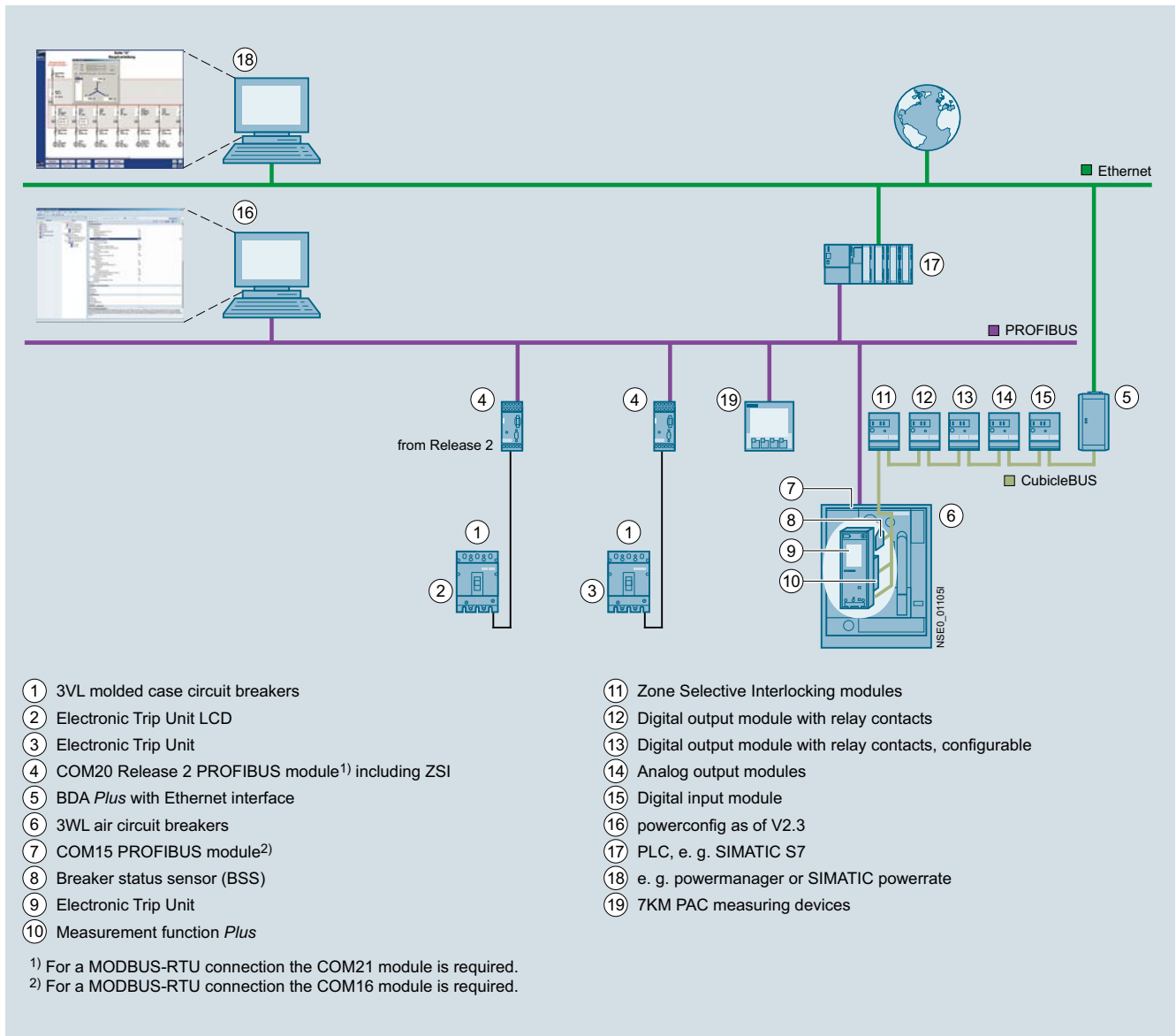
Rating plug (pages 38 and 51)

Measurement function module (pages 40 and 51)

Air circuit breaker (pages 9 to 36)

NSE0_018874

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



Features

- 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 switchgear due to the possibility of linking up external input and output modules to the circuit breaker-internal **CubicleBUS** of the 3WL
- 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 pages 9 to 36](#).
- For accessories [see pages 59 and 60](#).

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Introduction

Benefits

Low space requirements

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

Modular design

The following components can be exchanged or retrofitted at a later stage to allow the circuit breaker to adapt to new changes in requirements:

- Auxiliary Releases
- Motorized Operating Mechanisms
- Electronic Trip Units
- Current Transformers
- Auxiliary Circuit Signaling Switches
- Automatic Reset Devices
- Interlocks
- Engagement Operating Mechanisms

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 3WL 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/measurement 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

Conductor cross-sections

Size	I				II					
	Type	Up to 3WL11 10	3WL11 12	3WL11 16	3WL11 20	3WL12 08	3WL12 10	3WL12 12	3WL12 16	3WL12 20
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	2000
	• Up to 60 °C (Cu bare) ¹⁾	A 1000	1250	1600	1930	800	1000	1250	1600	2000
	• Up to 70 °C (Cu black painted) ¹⁾	A 1000	1210	1490 ²⁾	1780	800	1000	1250	1600	2000
Main conductor minimum cross-sections	• Copper bars, bare	Unit(s) 1 x mm ² 60 x 10	2 x 40 x 10	2 x 50 x 10	3 x 50 x 10	1 x 50 x 10	1 x 60 x 10	2 x 40 x 10	2 x 50 x 10	3 x 50 x 10
	• Copper bars, painted black	Unit(s) 1 x mm ² 60 x 10	2 x 40 x 10	2 x 50 x 10	3 x 50 x 10	1 x 50 x 10	1 x 60 x 10	2 x 40 x 10	2 x 50 x 10	3 x 50 x 10

Size	II			III			
	Type	3WL12 25	3WL12 32	3WL12 40 ³⁾	3WL13 40	3WL13 50	3WL13 63 ³⁾
Permissible load for withdrawable versions at rear horizontal main connections	• Up to 55 °C (Cu bare)	A 2500	3200	3950 ⁴⁾	4000	5000	5920
	• Up to 60 °C (Cu bare) ¹⁾	A 2500	3020	3810	4000	5000	5810
	• Up to 70 °C (Cu black painted) ¹⁾	A 2280	2870	3600	4000	5000	5500
Main conductor minimum cross-sections	• Copper bars, bare	Unit(s) 2 x mm ² 100 x 10	3 x 100 x 10	4 x 120 x 10	4 x 100 x 10	6 x 100 x 10	6 x 120 x 10
	• Copper bars, painted black	Unit(s) 2 x mm ² 100 x 10	3 x 100 x 10	4 x 100 x 10 ⁵⁾	4 x 100 x 10	6 x 100 x 10	6 x 120 x 10

¹⁾ ETU76B with graphics display can be used up to max. 55 °C.

²⁾ At breaking capacity H: 1600 A up to 70 °C

³⁾ With rear vertical connections

⁴⁾ Size II, 3-pole, in fixed-mounted version

⁵⁾ Minimum main conductor cross-sections for 4-pole withdrawable circuit breakers: 4 x 120 mm x 10 mm

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 1000 V AC and 690 V IT 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.

A complete family of Siemens circuit breakers cover applications between 16 A and 6300 A with molded case and air circuit breakers.

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

3WL circuit breakers comply with:

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

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	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
	A	A	kA		Article No.	Basic price per PU			kg
Horizontal main circuit connection									
I	630 800 1000 1250 1600 2000	630 800 1000 1250 1600 2000	55		3WL1106-2□□32-□□□□ 3WL1108-2□□32-□□□□ 3WL1110-2□□32-□□□□ 3WL1112-2□□32-□□□□ 3WL1116-2□□32-□□□□ 3WL1120-2□□32-□□□□	1	1 unit	103	43.000
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	66		3WL1208-2□□32-□□□□ 3WL1210-2□□32-□□□□ 3WL1212-2□□32-□□□□ 3WL1216-2□□32-□□□□ 3WL1220-2□□32-□□□□ 3WL1225-2□□32-□□□□ 3WL1232-2□□32-□□□□	1	1 unit	103	56.000
Vertical main circuit connection									
I	630 800 1000 1250 1600 2000	630 800 1000 1250 1600 2000	55		3WL1106-2□□31-□□□□ 3WL1108-2□□31-□□□□ 3WL1110-2□□31-□□□□ 3WL1112-2□□31-□□□□ 3WL1116-2□□31-□□□□ 3WL1120-2□□31-□□□□	1	1 unit	103	43.000
II	800 1000 1250 1600 2000 2500 3200 4000	800 1000 1250 1600 2000 2500 3200 4000	66		3WL1208-2□□31-□□□□ 3WL1210-2□□31-□□□□ 3WL1212-2□□31-□□□□ 3WL1216-2□□31-□□□□ 3WL1220-2□□31-□□□□ 3WL1225-2□□31-□□□□ 3WL1232-2□□31-□□□□ 3WL1240-2□□31-□□□□	1	1 unit	103	56.000

Options		Additional price
Non-automatic air circuit breakers²⁾	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 37	

✓ 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 on page 38.
- 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 5.

- 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 51.
- 4) Current transformers for protection of the N conductor are to be ordered separately, see page 51.
- 5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.
- 6) ETU15B cannot be used with 3WL circuit breakers, size III.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	Rated current ¹⁾ I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 55/66 kA at 500 V, ECO breaking capacity N	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	
				Article No.	Basic price per PU					
A	A	A	kA							kg
Front main circuit connection, single hole										
I	630 800 1000 1250 1600	630 800 1000 1250 1600	55		3WL1106-2□□33-□□□□ 3WL1108-2□□33-□□□□ 3WL1110-2□□33-□□□□ 3WL1112-2□□33-□□□□ 3WL1116-2□□33-□□□□	1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103	43.000 43.000 43.000 43.000 43.000	
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	66		3WL1208-2□□33-□□□□ 3WL1210-2□□33-□□□□ 3WL1212-2□□33-□□□□ 3WL1216-2□□33-□□□□ 3WL1220-2□□33-□□□□ 3WL1225-2□□33-□□□□ 3WL1232-2□□33-□□□□	1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	56.000 56.000 56.000 56.000 56.000 59.000 64.000	
Front main circuit connection, double hole										
I	630 800 1000 1250 1600 2000	630 800 1000 1250 1600 2000	55		3WL1106-2□□34-□□□□ 3WL1108-2□□34-□□□□ 3WL1110-2□□34-□□□□ 3WL1112-2□□34-□□□□ 3WL1116-2□□34-□□□□ 3WL1120-2□□34-□□□□	1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	43.000 43.000 43.000 43.000 43.000 43.000	
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	66		3WL1208-2□□34-□□□□ 3WL1210-2□□34-□□□□ 3WL1212-2□□34-□□□□ 3WL1216-2□□34-□□□□ 3WL1220-2□□34-□□□□ 3WL1225-2□□34-□□□□ 3WL1232-2□□34-□□□□	1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	56.000 56.000 56.000 56.000 56.000 59.000 64.000	

Options		Additional price
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI ⁶⁾	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ³⁾	✓
	ETU45B: Protection functions LSIN ³⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ³⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LSING ⁴⁾	✓
	ETU45B: Protection functions LSING ³⁾⁵⁾	✓
	ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display	✓
	ETU76B: Protection functions LSING ³⁾⁵⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 37	

✓ Additional price

- 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 on page 38.
- For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see page 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 51.
- Current transformers for protection of the N conductor are to be ordered separately, see page 51.
- ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.
- ETU15B cannot be used with 3WL circuit breakers, size III.

3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	Rated current ¹⁾ I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I _{cu} 66/80 kA at 500 V, standard breaking capacity S	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	
					Article No.					Basic price per PU
A	A	A	kA						kg	
Horizontal main circuit connection										
I	630	630	66		3WL1106-3□□32-□□□□		1	1 unit	103	43.000
	800	800			3WL1108-3□□32-□□□□					
	1000	1000			3WL1110-3□□32-□□□□					
	1250	1250			3WL1112-3□□32-□□□□					
	1600	1600			3WL1116-3□□32-□□□□					
	2000	2000			3WL1120-3□□32-□□□□					
II	800	800	80		3WL1208-3□□32-□□□□		1	1 unit	103	56.000
	1000	1000			3WL1210-3□□32-□□□□					
	1250	1250			3WL1212-3□□32-□□□□					
	1600	1600			3WL1216-3□□32-□□□□					
	2000	2000			3WL1220-3□□32-□□□□					
	2500	2500			3WL1225-3□□32-□□□□					
	3200	3200			3WL1232-3□□32-□□□□					
					3WL1232-3□□32-□□□□					
Vertical main circuit connection										
I	630	630	66		3WL1106-3□□31-□□□□		1	1 unit	103	43.000
	800	800			3WL1108-3□□31-□□□□					
	1000	1000			3WL1110-3□□31-□□□□					
	1250	1250			3WL1112-3□□31-□□□□					
	1600	1600			3WL1116-3□□31-□□□□					
	2000	2000			3WL1120-3□□31-□□□□					
II	800	800	80		3WL1208-3□□31-□□□□		1	1 unit	103	56.000
	1000	1000			3WL1210-3□□31-□□□□					
	1250	1250			3WL1212-3□□31-□□□□					
	1600	1600			3WL1216-3□□31-□□□□					
	2000	2000			3WL1220-3□□31-□□□□					
	2500	2500			3WL1225-3□□31-□□□□					
	3200	3200			3WL1232-3□□31-□□□□					
	4000	4000			3WL1240-3□□31-□□□□					
					3WL1240-3□□31-□□□□					
					3WL1240-3□□31-□□□□					

Options		Additional price
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI ⁶⁾	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ³⁾	✓
	ETU45B: Protection functions LSIN ³⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ³⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ⁴⁾	✓
	ETU45B: Protection functions LS-ING ³⁾⁵⁾	✓
	ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ³⁾⁵⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 37	

✓ 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 on page 38.
- 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 5.

- 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 51.
- 4) Current transformers for protection of the N conductor are to be ordered separately, see page 51.
- 5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.
- 6) ETU15B cannot be used with 3WL circuit breakers, size III.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

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	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
A	A	kA		Article No.	Basic price per PU			kg
Front main circuit connection, single hole								
I	630 800 1000 1250 1600	630 800 1000 1250 1600	66	3WL1106-3□□33-□□□□ 3WL1108-3□□33-□□□□ 3WL1110-3□□33-□□□□ 3WL1112-3□□33-□□□□ 3WL1116-3□□33-□□□□	1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103	43.000 43.000 43.000 43.000 43.000
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	80	3WL1208-3□□33-□□□□ 3WL1210-3□□33-□□□□ 3WL1212-3□□33-□□□□ 3WL1216-3□□33-□□□□ 3WL1220-3□□33-□□□□ 3WL1225-3□□33-□□□□ 3WL1232-3□□33-□□□□	1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	56.000 56.000 56.000 56.000 56.000 59.000 64.000
Front main circuit connection, double hole								
I	630 800 1000 1250 1600 2000	630 800 1000 1250 1600 2000	66	3WL1106-3□□34-□□□□ 3WL1108-3□□34-□□□□ 3WL1110-3□□34-□□□□ 3WL1112-3□□34-□□□□ 3WL1116-3□□34-□□□□ 3WL1120-3□□34-□□□□	1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	43.000 43.000 43.000 43.000 43.000 43.000
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	80	3WL1208-3□□34-□□□□ 3WL1210-3□□34-□□□□ 3WL1212-3□□34-□□□□ 3WL1216-3□□34-□□□□ 3WL1220-3□□34-□□□□ 3WL1225-3□□34-□□□□ 3WL1232-3□□34-□□□□	1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	56.000 56.000 56.000 56.000 56.000 59.000 64.000

Options		Additional price
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI ⁶⁾	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ³⁾	✓
	ETU45B: Protection functions LSIN ³⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ³⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ⁴⁾	✓
	ETU45B: Protection functions LS-ING ³⁾⁵⁾	✓
	ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ³⁾⁵⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 37	

✓ 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 on page 38.
- 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 5.

- 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 51.
- 4) Current transformers for protection of the N conductor are to be ordered separately, see page 51.
- 5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.
- 6) ETU15B cannot be used with 3WL circuit breakers, size III.

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	<div style="background-color: #f4a460; padding: 2px; display: inline-block; font-weight: bold;"> I_{cu} 85/100 kA at 500 V, high breaking capacity H </div> <div style="float: right; border: 1px solid #ccc; border-radius: 50%; padding: 2px; font-size: 0.8em;">H</div>	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
	A	A	kA		Article No.	Basic price per PU			kg
Horizontal main circuit connection									
I	630 800 1000 1250 1600 2000	630 800 1000 1250 1600 2000	85		<div style="background-color: #d9e1f2; padding: 2px;">3WL1106-4□□32-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1108-4□□32-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1110-4□□32-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1112-4□□32-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1116-4□□32-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1120-4□□32-□□□□</div>	1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	43.000 43.000 43.000 43.000 43.000 43.000
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	100		<div style="background-color: #d9e1f2; padding: 2px;">3WL1208-4□□32-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1210-4□□32-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1212-4□□32-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1216-4□□32-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1220-4□□32-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1225-4□□32-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1232-4□□32-□□□□</div>	1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	56.000 56.000 56.000 56.000 56.000 59.000 64.000
III	4000 5000	4000 5000	100		<div style="background-color: #d9e1f2; padding: 2px;">3WL1340-4□□32-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1350-4□□32-□□□□</div>	1 1	1 unit 1 unit	103 103	82.000 82.000
Vertical main circuit connection									
I	630 800 1000 1250 1600 2000	630 800 1000 1250 1600 2000	85		<div style="background-color: #d9e1f2; padding: 2px;">3WL1106-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1108-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1110-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1112-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1116-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1120-4□□31-□□□□</div>	1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	43.000 43.000 43.000 43.000 43.000 43.000
II	800 1000 1250 1600 2000 2500 3200 4000	800 1000 1250 1600 2000 2500 3200 4000	100		<div style="background-color: #d9e1f2; padding: 2px;">3WL1208-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1210-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1212-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1216-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1220-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1225-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1232-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1240-4□□31-□□□□</div>	1 1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103 103	56.000 56.000 56.000 56.000 56.000 59.000 64.000 85.000
III	4000 5000 6300	4000 5000 6300	100		<div style="background-color: #d9e1f2; padding: 2px;">3WL1340-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1350-4□□31-□□□□</div> <div style="background-color: #d9e1f2; padding: 2px;">3WL1363-4□□31-□□□□</div>	1 1 1	1 unit 1 unit 1 unit	103 103 103	82.000 82.000 90.000

Options		Additional price
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault prot.	
	ETU15B: Protection functions LI ⁶⁾	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ³⁾	✓
	ETU45B: Protection functions LSIN ³⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ³⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ⁴⁾	✓
	ETU45B: Protection functions LS-ING ³⁾⁵⁾	✓
	ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ³⁾⁵⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 37	

✓ 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 on page 38.
- 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 5.

- 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 51.
- 4) Current transformers for protection of the N conductor are to be ordered separately, see page 51.
- 5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.
- 6) ETU15B cannot be used with 3WL circuit breakers, size III.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	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		PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
					Article No.	Basic price per PU				
Front main circuit connection, single hole										
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	100		3WL1208-4□□33-□□□□ 3WL1210-4□□33-□□□□ 3WL1212-4□□33-□□□□ 3WL1216-4□□33-□□□□ 3WL1220-4□□33-□□□□ 3WL1225-4□□33-□□□□ 3WL1232-4□□33-□□□□		1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	56.000 56.000 56.000 56.000 56.000 59.000 64.000
III	4000	4000	100		3WL1340-4□□33-□□□□		1	1 unit	103	82.000
Front main circuit connection, double hole										
I	630 800 1000 1250 1600 2000	630 800 1000 1250 1600 2000	85		3WL1106-4□□34-□□□□ 3WL1108-4□□34-□□□□ 3WL1110-4□□34-□□□□ 3WL1112-4□□34-□□□□ 3WL1116-4□□34-□□□□ 3WL1120-4□□34-□□□□		1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	43.000 43.000 43.000 43.000 43.000 43.000
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	100		3WL1208-4□□34-□□□□ 3WL1210-4□□34-□□□□ 3WL1212-4□□34-□□□□ 3WL1216-4□□34-□□□□ 3WL1220-4□□34-□□□□ 3WL1225-4□□34-□□□□ 3WL1232-4□□34-□□□□		1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	56.000 56.000 56.000 56.000 56.000 59.000 64.000
III	4000	4000	100		3WL1340-4□□34-□□□□		1	1 unit	103	82.000

Options		Additional price
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI ⁶⁾	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ³⁾	✓
	ETU45B: Protection functions LSIN ³⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ³⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ⁴⁾	✓
	ETU45B: Protection functions LS-ING ³⁾⁵⁾	✓
	ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ³⁾⁵⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 37	

✓ 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 on page 38.
- 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 5.

- 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 51.
- 4) Current transformers for protection of the N conductor are to be ordered separately, see page 51.
- 5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.
- 6) ETU15B cannot be used with 3WL circuit breakers, size III.

3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	Rated current ¹⁾ I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 150 kA at 500 V, very high breaking capacity C C	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
	A	A	kA		Article No.	Basic price per PU			kg
Horizontal main circuit connection									
III	4000	4000	150		3WL1340-5□□32-□□□□	1	1 unit	103	82.000
	5000	5000		3WL1350-5□□32-□□□□	1	1 unit	103	82.000	
Vertical main circuit connection									
III	4000	4000	150		3WL1340-5□□31-□□□□	1	1 unit	103	82.000
	5000	5000		3WL1350-5□□31-□□□□	1	1 unit	103	82.000	
	6300	6300		3WL1363-5□□31-□□□□	1	1 unit	103	90.000	

Options		Additional price
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection ETU25B: Protection functions LSI ETU45B: Protection functions LSIN ³⁾ ETU45B: Protection functions LSIN ³⁾ with 4-line display ETU76B: Protection functions LSIN ³⁾ with graphics display Versions with ground-fault protection ETU27B: Protection functions LS-ING ⁴⁾ ETU45B: Protection functions LS-ING ³⁾⁵⁾ ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display ETU76B: Protection functions LS-ING ³⁾⁵⁾ with graphics display	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO For further Article No. supplements see page 37	None

✓ 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 on page 38.
- 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 5.

- 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 51.
- 4) Current transformers for protection of the N conductor are to be ordered separately, see page 51.
- 5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

3-pole, withdrawable 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.
	A	A	kA		Article No.	Basic price per PU				kg
Without guide frames²⁾ (for guide frames, see page 45 to 50)										
I	630 800 1000 1250 1600 2000	630 800 1000 1250 1600 2000	55		3WL1106-2□□35-□□□□ 3WL1108-2□□35-□□□□ 3WL1110-2□□35-□□□□ 3WL1112-2□□35-□□□□ 3WL1116-2□□35-□□□□ 3WL1120-2□□35-□□□□		1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	45.000 45.000 45.000 45.000 45.000 45.000
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	66		3WL1208-2□□35-□□□□ 3WL1210-2□□35-□□□□ 3WL1212-2□□35-□□□□ 3WL1216-2□□35-□□□□ 3WL1220-2□□35-□□□□ 3WL1225-2□□35-□□□□ 3WL1232-2□□35-□□□□		1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	60.000 60.000 60.000 60.000 60.000 63.000 68.000
With guide frames, horizontal main circuit connection										
I	630 800 1000 1250 1600 2000	630 800 1000 1250 1600 2000	55		3WL1106-2□□36-□□□□ 3WL1108-2□□36-□□□□ 3WL1110-2□□36-□□□□ 3WL1112-2□□36-□□□□ 3WL1116-2□□36-□□□□ 3WL1120-2□□36-□□□□		1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	70.000 70.000 70.000 70.000 70.000 70.000
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	66		3WL1208-2□□36-□□□□ 3WL1210-2□□36-□□□□ 3WL1212-2□□36-□□□□ 3WL1216-2□□36-□□□□ 3WL1220-2□□36-□□□□ 3WL1225-2□□36-□□□□ 3WL1232-2□□36-□□□□		1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	91.000 91.000 91.000 91.000 91.000 102.000 113.000

Options		Additional price
Non-automatic air circuit breakers³⁾	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 37	

✓ 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 on page 38.

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 5.

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 51.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 51.

6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	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.	Basic price per PU				
A		A	kA							kg
With guide frames, vertical main circuit connection										
I	630	630	55		3WL1106-2□□37-□□□□		1	1 unit	103	70.000
	800	800			3WL1108-2□□37-□□□□		1	1 unit	103	70.000
	1000	1000			3WL1110-2□□37-□□□□		1	1 unit	103	70.000
	1250	1250			3WL1112-2□□37-□□□□		1	1 unit	103	70.000
	1600	1600			3WL1116-2□□37-□□□□		1	1 unit	103	70.000
	2000	2000			3WL1120-2□□37-□□□□		1	1 unit	103	70.000
II	800	800	66		3WL1208-2□□37-□□□□		1	1 unit	103	91.000
	1000	1000			3WL1210-2□□37-□□□□		1	1 unit	103	91.000
	1250	1250			3WL1212-2□□37-□□□□		1	1 unit	103	91.000
	1600	1600			3WL1216-2□□37-□□□□		1	1 unit	103	91.000
	2000	2000			3WL1220-2□□37-□□□□		1	1 unit	103	91.000
	2500	2500			3WL1225-2□□37-□□□□		1	1 unit	103	102.000
	3200	3200			3WL1232-2□□37-□□□□		1	1 unit	103	113.000
	4000	4000			3WL1240-2□□37-□□□□		1	1 unit	103	121.000
With guide frames, connecting flanges										
I	630	630	55		3WL1106-2□□38-□□□□		1	1 unit	103	70.000
	800	800			3WL1108-2□□38-□□□□		1	1 unit	103	70.000
	1000	1000			3WL1110-2□□38-□□□□		1	1 unit	103	70.000
	1250	1250			3WL1112-2□□38-□□□□		1	1 unit	103	70.000
	1600	1600			3WL1116-2□□38-□□□□		1	1 unit	103	70.000
	2000	2000			3WL1120-2□□38-□□□□		1	1 unit	103	70.000
II	800	800	66		3WL1208-2□□38-□□□□		1	1 unit	103	91.000
	1000	1000			3WL1210-2□□38-□□□□		1	1 unit	103	91.000
	1250	1250			3WL1212-2□□38-□□□□		1	1 unit	103	91.000
	1600	1600			3WL1216-2□□38-□□□□		1	1 unit	103	91.000
	2000	2000			3WL1220-2□□38-□□□□		1	1 unit	103	91.000
	2500	2500			3WL1225-2□□38-□□□□		1	1 unit	103	102.000
	3200	3200			3WL1232-2□□38-□□□□		1	1 unit	103	113.000

Options		Additional price
Non-automatic air circuit breakers³⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection ETU15B: Protection functions LI ✓ ETU25B: Protection functions LSI ✓ ETU45B: Protection functions LSIN ⁴⁾ ✓ ETU45B: Protection functions LSIN ⁴⁾ with 4-line display ✓ ETU76B: Protection functions LSIN ⁴⁾ with graphics display ✓ Versions with ground-fault protection ETU27B: Protection functions LS-ING ⁵⁾ ✓ ETU45B: Protection functions LS-ING ⁴⁾⁶⁾ ✓ ETU45B: Protection functions LSING ⁴⁾⁶⁾ with 4-line display ✓ ETU76B: Protection functions LS-ING ⁴⁾⁶⁾ with graphics display ✓	
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO For further Article No. supplements see page 37	None

✓ 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 on page 38.
- 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 5.

- 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 51.
- 5) Current transformers for protection of the N conductor are to be ordered separately, see page 51.
- 6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

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		PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	
					Article No.	Basic price per PU					
A	A	A	kA							kg	
Without guide frames²⁾ (for guide frames, see page 45 to 50)											
I	630	630	66				1	1 unit	103	45.000	
	800	800									3WL1106-3□□35-□□□□
	1000	1000									3WL1108-3□□35-□□□□
	1250	1250									3WL1110-3□□35-□□□□
	1600	1600									3WL1112-3□□35-□□□□
	2000	2000									3WL1116-3□□35-□□□□
II	800	800	80				1	1 unit	103	60.000	
	1000	1000									3WL1208-3□□35-□□□□
	1250	1250									3WL1210-3□□35-□□□□
	1600	1600									3WL1212-3□□35-□□□□
	2000	2000									3WL1216-3□□35-□□□□
	2500	2500									3WL1220-3□□35-□□□□
With guide frames, horizontal main circuit connection	630	630	66				1	1 unit	103	70.000	
	800	800									3WL1106-3□□36-□□□□
	1000	1000									3WL1108-3□□36-□□□□
	1250	1250									3WL1110-3□□36-□□□□
	1600	1600									3WL1112-3□□36-□□□□
	2000	2000									3WL1116-3□□36-□□□□
II	800	800	80				1	1 unit	103	91.000	
	1000	1000									3WL1208-3□□36-□□□□
	1250	1250									3WL1210-3□□36-□□□□
	1600	1600									3WL1212-3□□36-□□□□
	2000	2000									3WL1216-3□□36-□□□□
	2500	2500									3WL1220-3□□36-□□□□
3200	3200	3WL1225-3□□36-□□□□									
										113.000	

Options		Additional price
Non-automatic air circuit breakers³⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ⁴⁾	✓
	ETU45B: Protection functions LSIN ⁴⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ⁴⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ⁵⁾	✓
	ETU45B: Protection functions LS-ING ⁴⁾⁶⁾	✓
	ETU45B: Protection functions LSING ⁴⁾⁶⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ⁴⁾⁶⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 37	

✓ Additional price

- 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 on page 38.
- Z options which are installed on the guide frame are not available.
- For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see page 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 51.
- Current transformers for protection of the N conductor are to be ordered separately, see page 51.
- ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	Rated current ¹⁾ I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I _{cu} 66/80 kA at 500 V, standard breaking capacity S	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
					Article No.				
A		A	kA						kg
With guide frames, vertical main circuit connection									
I	630	630	66		3WL1106-3□□37-□□□□	1	1 unit	103	70.000
	800	800		3WL1108-3□□37-□□□□	1	1 unit	103	70.000	
	1000	1000		3WL1110-3□□37-□□□□	1	1 unit	103	70.000	
	1250	1250		3WL1112-3□□37-□□□□	1	1 unit	103	70.000	
	1600	1600		3WL1116-3□□37-□□□□	1	1 unit	103	70.000	
	2000	2000		3WL1120-3□□37-□□□□	1	1 unit	103	70.000	
II	800	800	80		3WL1208-3□□37-□□□□	1	1 unit	103	91.000
	1000	1000		3WL1210-3□□37-□□□□	1	1 unit	103	91.000	
	1250	1250		3WL1212-3□□37-□□□□	1	1 unit	103	91.000	
	1600	1600		3WL1216-3□□37-□□□□	1	1 unit	103	91.000	
	2000	2000		3WL1220-3□□37-□□□□	1	1 unit	103	91.000	
	2500	2500		3WL1225-3□□37-□□□□	1	1 unit	103	102.000	
	3200	3200		3WL1232-3□□37-□□□□	1	1 unit	103	113.000	
	4000	4000		3WL1240-3□□37-□□□□	1	1 unit	103	121.000	
With guide frames, connecting flanges									
I	630	630	66		3WL1106-3□□38-□□□□	1	1 unit	103	70.000
	800	800		3WL1108-3□□38-□□□□	1	1 unit	103	70.000	
	1000	1000		3WL1110-3□□38-□□□□	1	1 unit	103	70.000	
	1250	1250		3WL1112-3□□38-□□□□	1	1 unit	103	70.000	
	1600	1600		3WL1116-3□□38-□□□□	1	1 unit	103	70.000	
	2000	2000		3WL1120-3□□38-□□□□	1	1 unit	103	70.000	
II	800	800	80		3WL1208-3□□38-□□□□	1	1 unit	103	91.000
	1000	1000		3WL1210-3□□38-□□□□	1	1 unit	103	91.000	
	1250	1250		3WL1212-3□□38-□□□□	1	1 unit	103	91.000	
	1600	1600		3WL1216-3□□38-□□□□	1	1 unit	103	91.000	
	2000	2000		3WL1220-3□□38-□□□□	1	1 unit	103	91.000	
	2500	2500		3WL1225-3□□38-□□□□	1	1 unit	103	102.000	
	3200	3200		3WL1232-3□□38-□□□□	1	1 unit	103	113.000	

Options		Additional price
Non-automatic air circuit breakers³⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection ETU15B: Protection functions LI ✓ ETU25B: Protection functions LSI ✓ ETU45B: Protection functions LSIN ⁴⁾ ✓ ETU45B: Protection functions LSIN ⁴⁾ with 4-line display ✓ ETU76B: Protection functions LSIN ⁴⁾ with graphics display ✓ Versions with ground-fault protection ETU27B: Protection functions LS-ING ⁵⁾ ✓ ETU45B: Protection functions LS-ING ⁴⁾⁶⁾ ✓ ETU45B: Protection functions LSING ⁴⁾⁶⁾ with 4-line display ✓ ETU76B: Protection functions LS-ING ⁴⁾⁶⁾ with graphics display ✓	
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO For further Article No. supplements see page 37	None

✓ 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 on page 38.
- 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 5.

- 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 51.
- 5) Current transformers for protection of the N conductor are to be ordered separately, see page 51.
- 6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	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	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
	A	A	kA		Article No.	Basic price per PU			kg
Without guide frames²⁾ (for guide frames, see page 45 to 50)									
I	630 800 1000 1250 1600 2000	630 800 1000 1250 1600 2000	85		3WL1106-4□□35-□□□□ 3WL1108-4□□35-□□□□ 3WL1110-4□□35-□□□□ 3WL1112-4□□35-□□□□ 3WL1116-4□□35-□□□□ 3WL1120-4□□35-□□□□	1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	45.000 45.000 45.000 45.000 45.000 45.000
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	100		3WL1208-4□□35-□□□□ 3WL1210-4□□35-□□□□ 3WL1212-4□□35-□□□□ 3WL1216-4□□35-□□□□ 3WL1220-4□□35-□□□□ 3WL1225-4□□35-□□□□ 3WL1232-4□□35-□□□□	1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	60.000 60.000 60.000 60.000 60.000 63.000 68.000
III	4000 5000 6300	4000 5000 6300	100		3WL1340-4□□35-□□□□ 3WL1350-4□□35-□□□□ 3WL1363-4□□35-□□□□	1 1 1	1 unit 1 unit 1 unit	103 103 103	88.000 88.000 96.000
With guide frames, horizontal main circuit connection									
I	630 800 1000 1250 1600 2000	630 800 1000 1250 1600 2000	85		3WL1106-4□□36-□□□□ 3WL1108-4□□36-□□□□ 3WL1110-4□□36-□□□□ 3WL1112-4□□36-□□□□ 3WL1116-4□□36-□□□□ 3WL1120-4□□36-□□□□	1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	70.000 70.000 70.000 70.000 70.000 70.000
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	100		3WL1208-4□□36-□□□□ 3WL1210-4□□36-□□□□ 3WL1212-4□□36-□□□□ 3WL1216-4□□36-□□□□ 3WL1220-4□□36-□□□□ 3WL1225-4□□36-□□□□ 3WL1232-4□□36-□□□□	1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	91.000 91.000 91.000 91.000 91.000 102.000 113.000
III	4000 5000	4000 5000	100		3WL1340-4□□36-□□□□ 3WL1350-4□□36-□□□□	1 1	1 unit 1 unit	103 103	148.000 148.000

Options		Additional price
Non-automatic air circuit breakers³⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault prot.	
	ETU15B: Protection functions LI ⁷⁾	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ⁴⁾	✓
	ETU45B: Protection functions LSIN ⁴⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ⁴⁾ with graphics display	✓
	Versions with ground-fault protect.	
	ETU27B: Protection functions LS-ING ⁵⁾	✓
	ETU45B: Protection functions LS-ING ⁴⁾⁶⁾	✓
	ETU45B: Protection functions LSING ⁴⁾⁶⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ⁴⁾⁶⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 37	

✓ Additional price

- 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 on page 38.
- Z options which are installed on the guide frame are not available.
- For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see page 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 51.
- Current transformers for protection of the N conductor are to be ordered separately, see page 51.
- ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.
- ETU15B cannot be used with 3WL circuit breakers, size III.

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	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)	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.			
					Article No.	Basic price per PU						
								kg				
With guide frames, vertical main circuit connection												
I	630	630	85		3WL1106-4□□37-□□□□	1	1 unit	103	70.000			
	800	800			3WL1108-4□□37-□□□□	1	1 unit	103	70.000			
	1000	1000			3WL1110-4□□37-□□□□	1	1 unit	103	70.000			
	1250	1250			3WL1112-4□□37-□□□□	1	1 unit	103	70.000			
	1600	1600			3WL1116-4□□37-□□□□	1	1 unit	103	70.000			
	2000	2000			3WL1120-4□□37-□□□□	1	1 unit	103	70.000			
II	800	800	100		3WL1208-4□□37-□□□□	1	1 unit	103	91.000			
	1000	1000			3WL1210-4□□37-□□□□	1	1 unit	103	91.000			
	1250	1250			3WL1212-4□□37-□□□□	1	1 unit	103	91.000			
	1600	1600			3WL1216-4□□37-□□□□	1	1 unit	103	91.000			
	2000	2000			3WL1220-4□□37-□□□□	1	1 unit	103	91.000			
	2500	2500			3WL1225-4□□37-□□□□	1	1 unit	103	102.000			
	3200	3200			3WL1232-4□□37-□□□□	1	1 unit	103	113.000			
	4000	4000			3WL1240-4□□37-□□□□	1	1 unit	103	121.000			
	III	4000			4000	100		3WL1340-4□□37-□□□□	1	1 unit	103	148.000
	5000	5000			3WL1350-4□□37-□□□□	1	1 unit	103	148.000			
	6300	6300			3WL1363-4□□37-□□□□	1	1 unit	103	166.000			
With guide frames, connecting flanges												
I	630	630	85		3WL1106-4□□38-□□□□	1	1 unit	103	70.000			
	800	800			3WL1108-4□□38-□□□□	1	1 unit	103	70.000			
	1000	1000			3WL1110-4□□38-□□□□	1	1 unit	103	70.000			
	1250	1250			3WL1112-4□□38-□□□□	1	1 unit	103	70.000			
	1600	1600			3WL1116-4□□38-□□□□	1	1 unit	103	70.000			
	2000	2000			3WL1120-4□□38-□□□□	1	1 unit	103	70.000			
II	800	800	100		3WL1208-4□□38-□□□□	1	1 unit	103	91.000			
	1000	1000			3WL1210-4□□38-□□□□	1	1 unit	103	91.000			
	1250	1250			3WL1212-4□□38-□□□□	1	1 unit	103	91.000			
	1600	1600			3WL1216-4□□38-□□□□	1	1 unit	103	91.000			
	2000	2000			3WL1220-4□□38-□□□□	1	1 unit	103	91.000			
	2500	2500			3WL1225-4□□38-□□□□	1	1 unit	103	102.000			
	3200	3200			3WL1232-4□□38-□□□□	1	1 unit	103	113.000			
	III	4000			4000	100		3WL1340-4□□38-□□□□	1	1 unit	103	148.000

Options		Additional price
Non-automatic air circuit breakers³⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI ⁷⁾	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ⁴⁾	✓
	ETU45B: Protection functions LSIN ⁴⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ⁴⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ⁵⁾	✓
	ETU45B: Protection functions LS-ING ⁴⁾⁶⁾	✓
	ETU45B: Protection functions LSING ⁴⁾⁶⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ⁴⁾⁶⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 37	

✓ 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 on page 38.

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 5.

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 51.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 51.

6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

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

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	Rated current ¹⁾ I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 150 kA at 500 V, very high breaking capacity C C	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	
A	A	A	kA		Article No.	Basic price per PU			kg	
Without guide frames²⁾ (for guide frames, see page 45 to 50)										
III	4000 5000 6300	4000 5000 6300	150		3WL1340-5□□35-□□□□ 3WL1350-5□□35-□□□□ 3WL1363-5□□35-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	88.000 88.000 96.000
With guide frames, horizontal main circuit connection										
III	4000 5000	4000 5000	150		3WL1340-5□□36-□□□□ 3WL1350-5□□36-□□□□		1 1	1 unit 1 unit	103 103	148.000 148.000
With guide frames, vertical main circuit connection										
III	4000 5000 6300	4000 5000 6300	150		3WL1340-5□□37-□□□□ 3WL1350-5□□37-□□□□ 3WL1363-5□□37-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	148.000 148.000 166.000

Options		Additional price
Non-automatic air circuit breakers³⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ⁴⁾	✓
	ETU45B: Protection functions LSIN ⁴⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ⁴⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ⁵⁾	✓
	ETU45B: Protection functions LS-ING ⁴⁾⁶⁾	✓
	ETU45B: Protection functions LSING ⁴⁾⁶⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ⁴⁾⁶⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 37	

✓ 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 on page 38.

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 5.

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 51.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 51.

6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

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	<div style="background-color: #f4a460; padding: 2px; display: inline-block; font-weight: bold;"> I_{cu} 55/66 kA at 500 V, ECO breaking capacity N </div> <div style="float: right; border: 1px solid black; border-radius: 50%; padding: 2px;">N</div>	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
					Article No.	Basic price per PU			
			kA						kg
Horizontal main circuit connection									
I	630	630	55		3WL1106-2□□42-□□□□	1	1 unit	103	50.000
	800	800			3WL1108-2□□42-□□□□	1	1 unit	103	50.000
	1000	1000			3WL1110-2□□42-□□□□	1	1 unit	103	50.000
	1250	1250			3WL1112-2□□42-□□□□	1	1 unit	103	50.000
	1600	1600			3WL1116-2□□42-□□□□	1	1 unit	103	50.000
	2000	2000			3WL1120-2□□42-□□□□	1	1 unit	103	50.000
II	800	800	66		3WL1208-2□□42-□□□□	1	1 unit	103	67.000
	1000	1000			3WL1210-2□□42-□□□□	1	1 unit	103	67.000
	1250	1250			3WL1212-2□□42-□□□□	1	1 unit	103	67.000
	1600	1600			3WL1216-2□□42-□□□□	1	1 unit	103	67.000
	2000	2000			3WL1220-2□□42-□□□□	1	1 unit	103	67.000
	2500	2500			3WL1225-2□□42-□□□□	1	1 unit	103	71.000
	3200	3200			3WL1232-2□□42-□□□□	1	1 unit	103	77.000
					3WL1232-2□□42-□□□□	1	1 unit	103	77.000
Vertical main circuit connection									
I	630	630	55		3WL1106-2□□41-□□□□	1	1 unit	103	50.000
	800	800			3WL1108-2□□41-□□□□	1	1 unit	103	50.000
	1000	1000			3WL1110-2□□41-□□□□	1	1 unit	103	50.000
	1250	1250			3WL1112-2□□41-□□□□	1	1 unit	103	50.000
	1600	1600			3WL1116-2□□41-□□□□	1	1 unit	103	50.000
	2000	2000			3WL1120-2□□41-□□□□	1	1 unit	103	50.000
II	800	800	66		3WL1208-2□□41-□□□□	1	1 unit	103	75.000
	1000	1000			3WL1210-2□□41-□□□□	1	1 unit	103	75.000
	1250	1250			3WL1212-2□□41-□□□□	1	1 unit	103	75.000
	1600	1600			3WL1216-2□□41-□□□□	1	1 unit	103	75.000
	2000	2000			3WL1220-2□□41-□□□□	1	1 unit	103	67.000
	2500	2500			3WL1225-2□□41-□□□□	1	1 unit	103	71.000
	3200	3200			3WL1232-2□□41-□□□□	1	1 unit	103	77.000
	4000	4000			3WL1240-2□□41-□□□□	1	1 unit	103	103.000
					3WL1240-2□□41-□□□□	1	1 unit	103	103.000

Options				Additional price
Non-automatic air circuit breakers²⁾	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 1/37			

✓ 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 on page 38.
- 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 5.

- 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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.
- 4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	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.	Basic price per PU				
A		A		kA						
Front main circuit connection, single hole										
I	630	630	55		3WL1106-2□□43-□□□□		1	1 unit	103	50,000
	800	800			3WL1108-2□□43-□□□□					
	1000	1000			3WL1110-2□□43-□□□□					
	1250	1250			3WL1112-2□□43-□□□□					
	1600	1600			3WL1116-2□□43-□□□□					
II	800	800	66		3WL1208-2□□43-□□□□		1	1 unit	103	67,000
	1000	1000			3WL1210-2□□43-□□□□					
	1250	1250			3WL1212-2□□43-□□□□					
	1600	1600			3WL1216-2□□43-□□□□					
	2000	2000			3WL1220-2□□43-□□□□					
	2500	2500			3WL1225-2□□43-□□□□					
	3200	3200			3WL1232-2□□43-□□□□					
Front main circuit connection, double hole										
I	630	630	55		3WL1106-2□□44-□□□□		1	1 unit	103	50,000
	800	800			3WL1108-2□□44-□□□□					
	1000	1000			3WL1110-2□□44-□□□□					
	1250	1250			3WL1112-2□□44-□□□□					
	1600	1600			3WL1116-2□□44-□□□□					
	2000	2000			3WL1120-2□□44-□□□□					
II	800	800	66		3WL1208-2□□44-□□□□		1	1 unit	103	67,000
	1000	1000			3WL1210-2□□44-□□□□					
	1250	1250			3WL1212-2□□44-□□□□					
	1600	1600			3WL1216-2□□44-□□□□					
	2000	2000			3WL1220-2□□44-□□□□					
	2500	2500			3WL1225-2□□44-□□□□					
	3200	3200			3WL1232-2□□44-□□□□					

Options		Additional price
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ³⁾	✓
	ETU45B: Protection functions LSIN ³⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ³⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ³⁾	✓
	ETU45B: Protection functions LS-ING ³⁾⁴⁾	✓
ETU45B: Protection functions LSING ³⁾⁴⁾ with 4-line display	✓	
ETU76B: Protection functions LS-ING ³⁾⁴⁾ with graphics display	✓	
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 1/37	

✓ 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 on page 38.
- 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 5.

- 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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.
- 4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

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	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	
					Article No.					Basic price per PU
Horizontal main circuit connection										
I	630	630	66		3WL1106-3□□42-□□□□		1	1 unit	103	50.000
	800	800			3WL1108-3□□42-□□□□					
	1000	1000			3WL1110-3□□42-□□□□					
	1250	1250			3WL1112-3□□42-□□□□					
	1600	1600			3WL1116-3□□42-□□□□					
	2000	2000			3WL1120-3□□42-□□□□					
II	800	800	80		3WL1208-3□□42-□□□□		1	1 unit	103	67.000
	1000	1000			3WL1210-3□□42-□□□□					
	1250	1250			3WL1212-3□□42-□□□□					
	1600	1600			3WL1216-3□□42-□□□□					
	2000	2000			3WL1220-3□□42-□□□□					
	2500	2500			3WL1225-3□□42-□□□□					
	3200	3200			3WL1232-3□□42-□□□□					
					3WL1232-3□□42-□□□□					
Vertical main circuit connection										
I	630	630	66		3WL1106-3□□41-□□□□		1	1 unit	103	50.000
	800	800			3WL1108-3□□41-□□□□					
	1000	1000			3WL1110-3□□41-□□□□					
	1250	1250			3WL1112-3□□41-□□□□					
	1600	1600			3WL1116-3□□41-□□□□					
	2000	2000			3WL1120-3□□41-□□□□					
II	800	800	80		3WL1208-3□□41-□□□□		1	1 unit	103	67.000
	1000	1000			3WL1210-3□□41-□□□□					
	1250	1250			3WL1212-3□□41-□□□□					
	1600	1600			3WL1216-3□□41-□□□□					
	2000	2000			3WL1220-3□□41-□□□□					
	2500	2500			3WL1225-3□□41-□□□□					
	3200	3200			3WL1232-3□□41-□□□□					
	4000	4000			3WL1240-3□□41-□□□□					
					3WL1240-3□□41-□□□□					
					3WL1240-3□□41-□□□□					

Options		Additional price
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ³⁾	✓
	ETU45B: Protection functions LSIN ³⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ³⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ³⁾	✓
	ETU45B: Protection functions LS-ING ³⁾⁴⁾	✓
	ETU45B: Protection functions LSING ³⁾⁴⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ³⁾⁴⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 1/37	

✓ 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 on page 38.
- 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 5.

- 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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.
- 4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

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		PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
					Article No.	Basic price per PU				
A	A	A	kA							kg
Front main circuit connection, single hole										
I	630	630	66		3WL1106-3□□43-□□□□		1	1 unit	103	50.000
	800	800			3WL1108-3□□43-□□□□		1	1 unit	103	50.000
	1000	1000			3WL1110-3□□43-□□□□		1	1 unit	103	50.000
	1250	1250			3WL1112-3□□43-□□□□		1	1 unit	103	50.000
	1600	1600			3WL1116-3□□43-□□□□		1	1 unit	103	50.000
II	800	800	80		3WL1208-3□□43-□□□□		1	1 unit	103	67.000
	1000	1000			3WL1210-3□□43-□□□□		1	1 unit	103	67.000
	1250	1250			3WL1212-3□□43-□□□□		1	1 unit	103	67.000
	1600	1600			3WL1216-3□□43-□□□□		1	1 unit	103	67.000
	2000	2000			3WL1220-3□□43-□□□□		1	1 unit	103	67.000
	2500	2500			3WL1225-3□□43-□□□□		1	1 unit	103	71.000
	3200	3200			3WL1232-3□□43-□□□□		1	1 unit	103	77.000
Front main circuit connection, double hole										
I	630	630	66		3WL1106-3□□44-□□□□		1	1 unit	103	50.000
	800	800			3WL1108-3□□44-□□□□		1	1 unit	103	50.000
	1000	1000			3WL1110-3□□44-□□□□		1	1 unit	103	50.000
	1250	1250			3WL1112-3□□44-□□□□		1	1 unit	103	50.000
	1600	1600			3WL1116-3□□44-□□□□		1	1 unit	103	50.000
	2000	2000			3WL1120-3□□44-□□□□		1	1 unit	103	50.000
II	800	800	80		3WL1208-3□□44-□□□□		1	1 unit	103	67.000
	1000	1000			3WL1210-3□□44-□□□□		1	1 unit	103	67.000
	1250	1250			3WL1212-3□□44-□□□□		1	1 unit	103	67.000
	1600	1600			3WL1216-3□□44-□□□□		1	1 unit	103	67.000
	2000	2000			3WL1220-3□□44-□□□□		1	1 unit	103	67.000
	2500	2500			3WL1225-3□□44-□□□□		1	1 unit	103	71.000
	3200	3200			3WL1232-3□□44-□□□□		1	1 unit	103	77.000

Options		Additional price
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ³⁾	✓
	ETU45B: Protection functions LSIN ³⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ³⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ³⁾	✓
	ETU45B: Protection functions LS-ING ³⁾⁴⁾	✓
	ETU76B: Protection functions LS-ING ³⁾⁴⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 1/37	

✓ 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 on page 38.
- ²⁾ For permissible rated short-time current I_{cs} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see page 5.

- 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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.
- ⁴⁾ ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

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	PU (UNIT, SET, M)	PS/ P. unit	PG	Weight per PU approx.
					Article No.				
					H				
					kg				
Horizontal main circuit connection									
I	630	630	85		3WL1106-4□□42-□□□□	1	1 unit	103	50.000
	800	800		3WL1108-4□□42-□□□□	1	1 unit	103	50.000	
	1000	1000		3WL1110-4□□42-□□□□	1	1 unit	103	50.000	
	1250	1250		3WL1112-4□□42-□□□□	1	1 unit	103	50.000	
	1600	1600		3WL1116-4□□42-□□□□	1	1 unit	103	50.000	
	2000	2000		3WL1120-4□□42-□□□□	1	1 unit	103	50.000	
II	800	800	100		3WL1208-4□□42-□□□□	1	1 unit	103	67.000
	1000	1000		3WL1210-4□□42-□□□□	1	1 unit	103	67.000	
	1250	1250		3WL1212-4□□42-□□□□	1	1 unit	103	67.000	
	1600	1600		3WL1216-4□□42-□□□□	1	1 unit	103	67.000	
	2000	2000		3WL1220-4□□42-□□□□	1	1 unit	103	67.000	
	2500	2500		3WL1225-4□□42-□□□□	1	1 unit	103	71.000	
	3200	3200		3WL1232-4□□42-□□□□	1	1 unit	103	77.000	
	4000	4000		3WL1340-4□□42-□□□□	1	1 unit	103	99.000	
5000	5000	3WL1350-4□□42-□□□□	1	1 unit	103	99.000			
Vertical main circuit connection									
I	630	630	85		3WL1106-4□□41-□□□□	1	1 unit	103	50.000
	800	800		3WL1108-4□□41-□□□□	1	1 unit	103	50.000	
	1000	1000		3WL1110-4□□41-□□□□	1	1 unit	103	50.000	
	1250	1250		3WL1112-4□□41-□□□□	1	1 unit	103	50.000	
	1600	1600		3WL1116-4□□41-□□□□	1	1 unit	103	50.000	
	2000	2000		3WL1120-4□□41-□□□□	1	1 unit	103	50.000	
II	800	800	100		3WL1208-4□□41-□□□□	1	1 unit	103	67.000
	1000	1000		3WL1210-4□□41-□□□□	1	1 unit	103	67.000	
	1250	1250		3WL1212-4□□41-□□□□	1	1 unit	103	67.000	
	1600	1600		3WL1216-4□□41-□□□□	1	1 unit	103	67.000	
	2000	2000		3WL1220-4□□41-□□□□	1	1 unit	103	67.000	
	2500	2500		3WL1225-4□□41-□□□□	1	1 unit	103	71.000	
	3200	3200		3WL1232-4□□41-□□□□	1	1 unit	103	77.000	
	4000	4000		3WL1240-4□□41-□□□□	1	1 unit	103	103.000	
III	4000	4000	100		3WL1340-4□□41-□□□□	1	1 unit	103	99.000
	5000	5000		3WL1350-4□□41-□□□□	1	1 unit	103	99.000	
	6300	6300		3WL1363-4□□41-□□□□	1	1 unit	103	108.000	

Options		Additional price
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault prot.	
	ETU15B: Protection functions LI ⁵⁾	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ³⁾	✓
	ETU45B: Protection functions LSIN ³⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ³⁾ with graphics display	✓
	Versions with ground-fault prot.	
	ETU27B: Protection functions LS-ING ³⁾	✓
	ETU45B: Protection functions LS-ING ³⁾⁴⁾	✓
	ETU45B: Protection functions LSING ³⁾⁴⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ³⁾⁴⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 1/37	

✓ 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 on page 38.

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 5.

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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.

4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

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

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	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	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
					Article No.	Basic price per PU			
									kg
Front main circuit connection, single hole									
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	100		3WL1208-4□□43-□□□□ 3WL1210-4□□43-□□□□ 3WL1212-4□□43-□□□□ 3WL1216-4□□43-□□□□ 3WL1220-4□□43-□□□□ 3WL1225-4□□43-□□□□ 3WL1232-4□□43-□□□□	1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	67.000 67.000 67.000 67.000 67.000 71.000 77.000
III	4000	4000	100		3WL1340-4□□43-□□□□	1	1 unit	103	99.000
Front main circuit connection, double hole									
I	630 800 1000 1250 1600 2000	630 800 1000 1250 1600 2000	85		3WL1106-4□□44-□□□□ 3WL1108-4□□44-□□□□ 3WL1110-4□□44-□□□□ 3WL1112-4□□44-□□□□ 3WL1116-4□□44-□□□□ 3WL1120-4□□44-□□□□	1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	50.000 50.000 50.000 50.000 50.000 50.000
II	800 1000 1250 1600 2000 2500 3200	800 1000 1250 1600 2000 2500 3200	100		3WL1208-4□□44-□□□□ 3WL1210-4□□44-□□□□ 3WL1212-4□□44-□□□□ 3WL1216-4□□44-□□□□ 3WL1220-4□□44-□□□□ 3WL1225-4□□44-□□□□ 3WL1232-4□□44-□□□□	1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103	67.000 67.000 67.000 67.000 67.000 71.000 77.000
III	4000	4000	100		3WL1340-4□□44-□□□□	1	1 unit	103	99.000

Options		Additional price
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI ⁵⁾	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ³⁾	✓
	ETU45B: Protection functions LSIN ³⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ³⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LSING ³⁾	✓
	ETU45B: Protection functions LS-ING ³⁾⁴⁾	✓
	ETU45B: Protection functions LSING ³⁾⁴⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ³⁾⁴⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 1/37	

✓ Additional price

- 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 on page 38.
- For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see page 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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.
- ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.
- ETU15B cannot be used with 3WL circuit breakers, size III.

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 kA at 500 V, very high breaking capacity C	C	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
					Article No.					
Horizontal main circuit connection										
III	4000 5000	4000 5000	130		3WL1340-5□□42-□□□□		1	1 unit	103	99.000
					3WL1350-5□□42-□□□□		1	1 unit	103	99.000
Vertical main circuit connection										
III	4000 5000 6300	4000 5000 6300	130		3WL1340-5□□41-□□□□		1	1 unit	103	99.000
					3WL1350-5□□41-□□□□		1	1 unit	103	99.000
					3WL1363-5□□41-□□□□		1	1 unit	103	108.000

Options		Additional price
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection ETU25B: Protection functions LSI ETU45B: Protection functions LSIN ³⁾ ETU45B: Protection functions LSIN ³⁾ with 4-line display ETU76B: Protection functions LSIN ³⁾ with graphics display Versions with ground-fault protection ETU27B: Protection functions LS-ING ³⁾ ETU45B: Protection functions LS-ING ³⁾⁴⁾ ETU45B: Protection functions LSING ³⁾⁴⁾ with 4-line display ETU76B: Protection functions LS-ING ³⁾⁴⁾ with graphics display	✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO For further Article No. supplements see page 1/37	None

✓ 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 on page 38.
- 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 5.

- 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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.
- 4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

4-pole, withdrawable 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.
	A	A	kA		Article No.	Basic price per PU				kg
Without guide frames²⁾ (for guide frames, see page 45 to 50)										
I	630	630	55		3WL1106-2□□45-□□□□		1	1 unit	103	54.000
	800	800			3WL1108-2□□45-□□□□		1	1 unit	103	54.000
	1000	1000			3WL1110-2□□45-□□□□		1	1 unit	103	54.000
	1250	1250			3WL1112-2□□45-□□□□		1	1 unit	103	54.000
	1600	1600			3WL1116-2□□45-□□□□		1	1 unit	103	54.000
	2000	2000			3WL1120-2□□45-□□□□		1	1 unit	103	54.000
II	800	800	66		3WL1208-2□□45-□□□□		1	1 unit	103	75.000
	1000	1000			3WL1210-2□□45-□□□□		1	1 unit	103	75.000
	1250	1250			3WL1212-2□□45-□□□□		1	1 unit	103	75.000
	1600	1600			3WL1216-2□□45-□□□□		1	1 unit	103	75.000
	2000	2000			3WL1220-2□□45-□□□□		1	1 unit	103	72.000
	2500	2500			3WL1225-2□□45-□□□□		1	1 unit	103	76.000
	3200	3200			3WL1232-2□□45-□□□□		1	1 unit	103	82.000
With guide frames, horizontal main circuit connection										
I	630	630	55		3WL1106-2□□46-□□□□		1	1 unit	103	84.000
	800	800			3WL1108-2□□46-□□□□		1	1 unit	103	84.000
	1000	1000			3WL1110-2□□46-□□□□		1	1 unit	103	84.000
	1250	1250			3WL1112-2□□46-□□□□		1	1 unit	103	84.000
	1600	1600			3WL1116-2□□46-□□□□		1	1 unit	103	84.000
	2000	2000			3WL1120-2□□46-□□□□		1	1 unit	103	84.000
II	800	800	66		3WL1208-2□□46-□□□□		1	1 unit	103	109.000
	1000	1000			3WL1210-2□□46-□□□□		1	1 unit	103	109.000
	1250	1250			3WL1212-2□□46-□□□□		1	1 unit	103	109.000
	1600	1600			3WL1216-2□□46-□□□□		1	1 unit	103	109.000
	2000	2000			3WL1220-2□□46-□□□□		1	1 unit	103	109.000
	2500	2500			3WL1225-2□□46-□□□□		1	1 unit	103	123.000
	3200	3200			3WL1232-2□□46-□□□□		1	1 unit	103	136.000

Options		Additional price
Non-automatic air circuit breakers³⁾	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 ⁴⁾	DG ✓
	ETU45B: Protection functions LS-ING ⁴⁾⁵⁾	EG ✓
	ETU45B: Protection functions LSING ⁴⁾⁵⁾ with 4-line display	FG ✓
	ETU76B: Protection functions LS-ING 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 1/37	

✓ 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 on page 38.

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 5.

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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	Rated current ¹⁾ I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I _{cu} 55/66 kA at 500 V, ECO breaking capacity N		PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
					Article No.	Basic price per PU				
A		A	kA							kg
With guide frames, vertical main circuit connection										
I	630	630	55		3WL1106-2□□47-□□□□		1	1 unit	103	84.000
	800	800			3WL1108-2□□47-□□□□					
	1000	1000			3WL1110-2□□47-□□□□					
	1250	1250			3WL1112-2□□47-□□□□					
	1600	1600			3WL1116-2□□47-□□□□					
	2000	2000			3WL1120-2□□47-□□□□					
II	800	800	66		3WL1208-2□□47-□□□□		1	1 unit	103	109.000
	1000	1000			3WL1210-2□□47-□□□□					
	1250	1250			3WL1212-2□□47-□□□□					
	1600	1600			3WL1216-2□□47-□□□□					
	2000	2000			3WL1220-2□□47-□□□□					
	2500	2500			3WL1225-2□□47-□□□□					
	3200	3200			3WL1232-2□□47-□□□□					
	4000	4000			3WL1240-2□□47-□□□□					
With guide frames, connecting flanges										
I	630	630	55		3WL1106-2□□48-□□□□		1	1 unit	103	84.000
	800	800			3WL1108-2□□48-□□□□					
	1000	1000			3WL1110-2□□48-□□□□					
	1250	1250			3WL1112-2□□48-□□□□					
	1600	1600			3WL1116-2□□48-□□□□					
	2000	2000			3WL1120-2□□48-□□□□					
II	800	800	66		3WL1208-2□□48-□□□□		1	1 unit	103	109.000
	1000	1000			3WL1210-2□□48-□□□□					
	1250	1250			3WL1212-2□□48-□□□□					
	1600	1600			3WL1216-2□□48-□□□□					
	2000	2000			3WL1220-2□□48-□□□□					
	2500	2500			3WL1225-2□□48-□□□□					
	3200	3200			3WL1232-2□□48-□□□□					

Options		Additional price
Non-automatic air circuit breakers³⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ⁴⁾	✓
	ETU45B: Protection functions LSIN ⁴⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ⁴⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ⁴⁾	✓
	ETU45B: Protection functions LS-ING ⁴⁾⁵⁾	✓
	ETU45B: Protection functions LSING ⁴⁾⁵⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ⁴⁾⁵⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 1/37	

✓ 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 on page 38.
- 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 5.

- 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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.
- 5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	Rated current ¹⁾ I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I_{cu} 66/80 kA at 500 V, standard breaking capacity S		PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	
					Article No.	Basic price per PU					
A	A	A	kA							kg	
Without guide frames²⁾ (for guide frames, see page 45 to 50)											
I	630	630	66		3WL1106-3□□45-□□□□		1	1 unit	103	54.000	
	800	800									3WL1108-3□□45-□□□□
	1000	1000									3WL1110-3□□45-□□□□
	1250	1250									3WL1112-3□□45-□□□□
	1600	1600									3WL1116-3□□45-□□□□
	2000	2000									3WL1120-3□□45-□□□□
II	800	800	80		3WL1208-3□□45-□□□□		1	1 unit	103	72.000	
	1000	1000									3WL1210-3□□45-□□□□
	1250	1250									3WL1212-3□□45-□□□□
	1600	1600									3WL1216-3□□45-□□□□
	2000	2000									3WL1220-3□□45-□□□□
	2500	2500									3WL1225-3□□45-□□□□
	3200	3200									3WL1232-3□□45-□□□□
With guide frames, horizontal main circuit connection											
I	630	630	66		3WL1106-3□□46-□□□□		1	1 unit	103	84.000	
	800	800									3WL1108-3□□46-□□□□
	1000	1000									3WL1110-3□□46-□□□□
	1250	1250									3WL1112-3□□46-□□□□
	1600	1600									3WL1116-3□□46-□□□□
	2000	2000									3WL1120-3□□46-□□□□
II	800	800	80		3WL1208-3□□46-□□□□		1	1 unit	103	109.000	
	1000	1000									3WL1210-3□□46-□□□□
	1250	1250									3WL1212-3□□46-□□□□
	1600	1600									3WL1216-3□□46-□□□□
	2000	2000									3WL1220-3□□46-□□□□
	2500	2500									3WL1225-3□□46-□□□□
	3200	3200									3WL1232-3□□46-□□□□

Options		Additional price
Non-automatic air circuit breakers³⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ⁴⁾	✓
	ETU45B: Protection functions LSIN ⁴⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ⁴⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ⁴⁾	✓
	ETU45B: Protection functions LS-ING ⁴⁾⁵⁾	✓
	ETU45B: Protection functions LSING ⁴⁾⁵⁾ with 4-line display	✓
ETU76B: Protection functions LS-ING ⁴⁾⁵⁾ with graphics display	✓	
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 1/37	

✓ Additional price

- 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 on page 38.
- Z options which are installed on the guide frame are not available.
- For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see page 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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.
- ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	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	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
					Article No.					
A		A	kA							kg
With guide frames, vertical main circuit connection										
I	630	630	66		3WL1106-3□□47-□□□□		1	1 unit	103	84.000
	800	800		3WL1108-3□□47-□□□□		1	1 unit	103	84.000	
	1000	1000		3WL1110-3□□47-□□□□		1	1 unit	103	84.000	
	1250	1250		3WL1112-3□□47-□□□□		1	1 unit	103	84.000	
	1600	1600		3WL1116-3□□47-□□□□		1	1 unit	103	84.000	
	2000	2000		3WL1120-3□□47-□□□□		1	1 unit	103	84.000	
II	800	800	80		3WL1208-3□□47-□□□□		1	1 unit	103	109.000
	1000	1000		3WL1210-3□□47-□□□□		1	1 unit	103	109.000	
	1250	1250		3WL1212-3□□47-□□□□		1	1 unit	103	109.000	
	1600	1600		3WL1216-3□□47-□□□□		1	1 unit	103	109.000	
	2000	2000		3WL1220-3□□47-□□□□		1	1 unit	103	109.000	
	2500	2500		3WL1225-3□□47-□□□□		1	1 unit	103	123.000	
	3200	3200		3WL1232-3□□47-□□□□		1	1 unit	103	136.000	
	4000	4000		3WL1240-3□□47-□□□□		1	1 unit	103	146.000	
With guide frames, connecting flanges										
I	630	630	66		3WL1106-3□□48-□□□□		1	1 unit	103	84.000
	800	800		3WL1108-3□□48-□□□□		1	1 unit	103	84.000	
	1000	1000		3WL1110-3□□48-□□□□		1	1 unit	103	84.000	
	1250	1250		3WL1112-3□□48-□□□□		1	1 unit	103	84.000	
	1600	1600		3WL1116-3□□48-□□□□		1	1 unit	103	84.000	
	2000	2000		3WL1120-3□□48-□□□□		1	1 unit	103	84.000	
II	800	800	80		3WL1208-3□□48-□□□□		1	1 unit	103	109.000
	1000	1000		3WL1210-3□□48-□□□□		1	1 unit	103	109.000	
	1250	1250		3WL1212-3□□48-□□□□		1	1 unit	103	109.000	
	1600	1600		3WL1216-3□□48-□□□□		1	1 unit	103	109.000	
	2000	2000		3WL1220-3□□48-□□□□		1	1 unit	103	109.000	
	2500	2500		3WL1225-3□□48-□□□□		1	1 unit	103	123.000	
	3200	3200		3WL1232-3□□48-□□□□		1	1 unit	103	136.000	

Options		Additional price
Non-automatic air circuit breakers³⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU15B: Protection functions LI	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ⁴⁾	✓
	ETU45B: Protection functions LSIN ⁴⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ⁴⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ⁴⁾	✓
	ETU45B: Protection functions LS-ING ⁴⁾⁵⁾	✓
	ETU45B: Protection functions LSING ⁴⁾⁵⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ⁴⁾⁵⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 1/37	

✓ 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 on page 38.
- 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 5.

- 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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.
- 5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

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		PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
					Article No.	Basic price per PU				
A	A	A	kA							kg
Without guide frames²⁾ (for guide frames, see page 45 to 50)										
I	630	630	85		3WL1106-4□□45-□□□□		1	1 unit	103	54.000
	800	800			3WL1108-4□□45-□□□□					
	1000	1000			3WL1110-4□□45-□□□□					
	1250	1250			3WL1112-4□□45-□□□□					
	1600	1600			3WL1116-4□□45-□□□□					
	2000	2000			3WL1120-4□□45-□□□□					
II	800	800	100		3WL1208-4□□45-□□□□		1	1 unit	103	72.000
	1000	1000			3WL1210-4□□45-□□□□					
	1250	1250			3WL1212-4□□45-□□□□					
	1600	1600			3WL1216-4□□45-□□□□					
	2000	2000			3WL1220-4□□45-□□□□					
	2500	2500			3WL1225-4□□45-□□□□					
	3200	3200			3WL1232-4□□45-□□□□					
III	4000	4000	100		3WL1340-4□□45-□□□□		1	1 unit	103	106.000
	5000	5000			3WL1350-4□□45-□□□□					
	6300	6300			3WL1363-4□□45-□□□□					
With guide frames, horizontal main circuit connection										
I	630	630	85		3WL1106-4□□46-□□□□		1	1 unit	103	84.000
	800	800			3WL1108-4□□46-□□□□					
	1000	1000			3WL1110-4□□46-□□□□					
	1250	1250			3WL1112-4□□46-□□□□					
	1600	1600			3WL1116-4□□46-□□□□					
	2000	2000			3WL1120-4□□46-□□□□					
II	800	800	100		3WL1208-4□□46-□□□□		1	1 unit	103	109.000
	1000	1000			3WL1210-4□□46-□□□□					
	1250	1250			3WL1212-4□□46-□□□□					
	1600	1600			3WL1216-4□□46-□□□□					
	2000	2000			3WL1220-4□□46-□□□□					
	2500	2500			3WL1225-4□□46-□□□□					
	3200	3200			3WL1232-4□□46-□□□□					
III	4000	4000	100		3WL1340-4□□46-□□□□		1	1 unit	103	190.000
	5000	5000			3WL1350-4□□46-□□□□					
Options										
Non-automatic air circuit breakers³⁾	Without Electronic Trip Units									None
Electronic Trip Units	Versions without ground-fault prot.									
	ETU15B: Protection functions LI ⁶⁾									✓
	ETU25B: Protection functions LSI									✓
	ETU45B: Protection functions LSIN ⁴⁾									✓
	ETU45B: Protection functions LSIN ⁴⁾ with 4-line display									✓
	ETU76B: Protection functions LSIN ⁴⁾ with graphics display									✓
	Versions with ground-fault prot.									
	ETU27B: Protection functions LSING ⁴⁾									✓
	ETU45B: Protection functions LSING ⁴⁾⁵⁾									✓
	ETU45B: Protection functions LSING ⁴⁾⁵⁾ with 4-line display									✓
	ETU76B: Protection functions LSING ⁴⁾⁵⁾ with graphics display									✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO									None
	For further Article No. supplements see page 1/37									

✓ 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 on page 38.

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 5.

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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

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

4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	Rated current ¹⁾ I_n	Breaking capacity $I_{cu} = I_{cs}$	DT	I _{cu} 85/100 kA at 500 V, high breaking capacity H	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.		
					(H)					Article No.	Basic price per PU
A		A	kA						kg		
With guide frames, vertical main circuit connection											
I	630	630	85		3WL1106-4□□47-□□□□	1	1 unit	103	84.000		
	800	800		3WL1108-4□□47-□□□□	1	1 unit	103	84.000			
	1000	1000		3WL1110-4□□47-□□□□	1	1 unit	103	84.000			
	1250	1250		3WL1112-4□□47-□□□□	1	1 unit	103	84.000			
	1600	1600		3WL1116-4□□47-□□□□	1	1 unit	103	84.000			
	2000	2000		3WL1120-4□□47-□□□□	1	1 unit	103	84.000			
	II	800		800	100		3WL1208-4□□47-□□□□	1	1 unit	103	109.000
1000		1000	3WL1210-4□□47-□□□□	1		1 unit	103	109.000			
1250		1250	3WL1212-4□□47-□□□□	1		1 unit	103	109.000			
1600		1600	3WL1216-4□□47-□□□□	1		1 unit	103	109.000			
2000		2000	3WL1220-4□□47-□□□□	1		1 unit	103	109.000			
2500		2500	3WL1225-4□□47-□□□□	1		1 unit	103	123.000			
3200		3200	3WL1232-4□□47-□□□□	1		1 unit	103	136.000			
4000		4000	3WL1240-4□□47-□□□□	1		1 unit	103	146.000			
III		4000	4000	100			3WL1340-4□□47-□□□□	1	1 unit	103	190.000
		5000	5000			3WL1350-4□□47-□□□□	1	1 unit	103	190.000	
	6300	6300	3WL1363-4□□47-□□□□		1	1 unit	103	227.000			
With guide frames, connecting flanges											
I	630	630	85		3WL1106-4□□48-□□□□	1	1 unit	103	84.000		
	800	800		3WL1108-4□□48-□□□□	1	1 unit	103	84.000			
	1000	1000		3WL1110-4□□48-□□□□	1	1 unit	103	84.000			
	1250	1250		3WL1112-4□□48-□□□□	1	1 unit	103	84.000			
	1600	1600		3WL1116-4□□48-□□□□	1	1 unit	103	84.000			
	2000	2000		3WL1120-4□□48-□□□□	1	1 unit	103	84.000			
	II	800		800	100		3WL1208-4□□48-□□□□	1	1 unit	103	109.000
1000		1000	3WL1210-4□□48-□□□□	1		1 unit	103	109.000			
1250		1250	3WL1212-4□□48-□□□□	1		1 unit	103	109.000			
1600		1600	3WL1216-4□□48-□□□□	1		1 unit	103	109.000			
2000		2000	3WL1220-4□□48-□□□□	1		1 unit	103	109.000			
2500		2500	3WL1225-4□□48-□□□□	1		1 unit	103	123.000			
3200		3200	3WL1232-4□□48-□□□□	1		1 unit	103	136.000			
III		4000	4000	100			3WL1340-4□□48-□□□□	1	1 unit	103	190.000

Options		Additional price
Non-automatic air circuit breakers³⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault prot.	
	ETU15B: Protection functions LI ⁶⁾	✓
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ⁴⁾	✓
	ETU45B: Protection functions LSIN ⁴⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ⁴⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ⁴⁾	✓
	ETU45B: Protection functions LS-ING ⁴⁾⁵⁾	✓
	ETU45B: Protection functions LSING ⁴⁾⁵⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ⁴⁾⁵⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 1/37	

✓ 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 on page 38.

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

3) For permissible rated short-time current I_{cs} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see page 5.

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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

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

Air Circuit Breakers

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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} 130 kA at 500 V, very high breaking capacity C	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	
	A	A	kA		Article No.	Basic price per PU			kg	
Without guide frames²⁾ (for guide frames, see page 1/45 to 50)										
III	4000 5000 6300	4000 5000 6300	130		3WL1340-5□□45-□□□□ 3WL1350-5□□45-□□□□ 3WL1363-5□□45-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	115.000 106.000 108.000
With guide frames, horizontal main circuit connection										
III	4000 5000	4000 5000	130		3WL1340-5□□46-□□□□ 3WL1350-5□□46-□□□□		1 1	1 unit 1 unit	103 103	190.000 190.000
With guide frames, vertical main circuit connection										
III	4000 5000 6300	4000 5000 6300	130		3WL1340-5□□47-□□□□ 3WL1350-5□□47-□□□□ 3WL1363-5□□47-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	190.000 190.000 227.000

Options		Additional price
Non-automatic air circuit breakers³⁾	Without Electronic Trip Units	None
Electronic Trip Units	Versions without ground-fault protection	
	ETU25B: Protection functions LSI	✓
	ETU45B: Protection functions LSIN ⁴⁾	✓
	ETU45B: Protection functions LSIN ⁴⁾ with 4-line display	✓
	ETU76B: Protection functions LSIN ⁴⁾ with graphics display	✓
	Versions with ground-fault protection	
	ETU27B: Protection functions LS-ING ⁴⁾	✓
	ETU45B: Protection functions LS-ING ⁴⁾⁵⁾	✓
	ETU45B: Protection functions LSING ⁴⁾⁵⁾ with 4-line display	✓
	ETU76B: Protection functions LS-ING ⁴⁾⁵⁾ with graphics display	✓
Operating mechanism, auxiliary release, auxiliary switch	Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO	None
	For further Article No. supplements see page 1/37	

✓ 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 on page 38.

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 5.

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 51. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 40.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 51.

Selection and ordering data

				Article No. supplement	Additional price
				3WL1...-.....- <small>None None None None</small>	
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 39 .					
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 $0.85 \dots 1.1 \times U_s$	--	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 $0.85 \dots 1.1 \times U_s$	--	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 $0.85 \dots 1.1 \times U_s$	--	24	J	✓
		--	30	K	✓
		--	48	L	✓
		--	60	U	✓
		110 ... 127	110 ... 125	M	✓
		208 ... 240	220 ... 250	N	✓
Undervoltage release, can be delayed between 0.2 s and 3.2 s	Operating range $0.85 \dots 1.1 \times U_s$	380 ... 415	--	P	✓
		--	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

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Options

Add "-Z" to the complete Article No. and indicate the appropriate order code(s).			3WL.....-.....-Z <small>None None None +...+</small>	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					
Conditions	Size	Rated current I_n		Additional price 3-pole	Additional price 4-pole
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	✓	✓
		Up to 2000 A	A 0 5	✓	✓
		2500 A	A 0 5	✓	✓
	III ¹⁾²⁾	3200 A	A 0 5	✓	✓
		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	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 frame³⁾⁴⁾					
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)					
Special packaging for extended technical requirements				Additional price	
Cardboard packaging with water-repellent coating on corrugated cardboard (moisture protection)			A 6 1		✓
Rating plugs					
Conditions	Size	Rated current I_n A		Additional price	
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 necessary for circuit breakers with very high breaking capacity C as these circuit breakers can be used as standard up to 1150 V AC.
- 3) Front connections are tinned as standard.
- 4) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

Add "-Z" to the complete Article No. and indicate the appropriate order code(s).			3WL.....-.....-Z <small>..... +...+</small>	Additional price	
Indication/operator control elements, door sealing frames					
5-digit mechanical operating cycles counter¹⁾			C 0 1	✓	
Electrical ON button in the operator panel²⁾ <small>Possible only for circuit breakers with closing coil.</small>	Button with sealing cap		C 1 1	✓	
	Key operation with lock CES		C 1 2	✓	
Storage status signaling switches²⁾ (S21)	1 NO contact		C 2 0	✓	
Ready-to-close signaling switches (S20)	1 NO contact		C 2 2	✓	
Signaling switches²⁾	For the first auxiliary release (S22)		C 2 6	✓	
	For the second auxiliary release (S23)		C 2 7	✓	
Motor shutdown switch in the operator panel³⁾			S 2 5	✓	
EMERGENCY-STOP pushbuttons	Mushroom pushbutton instead of the mechanical OFF pushbutton		S 2 4	✓	
Door sealing frames					
Reclosing lockout and remote resets					
Automatic reset of the reclosing lockout					
1. Tripped signaling switch²⁾⁴⁾	1 CO contact		K 0 7	✓	
2. Tripped signaling switch²⁾⁴⁾⁸⁾	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	✓	
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 coil⁵⁾ 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)⁶⁾⁷⁾	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	✓

✓ Additional price

1) Only possible with motorized operating mechanism.

2) Not possible with communications interface option, order code "F02" or "F12".

3) Only for switches 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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Options

Add "-Z" to the complete Article No. and indicate the appropriate order code(s).				3WL.....-.....-Z	Additional price
				None None None +...+...	
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") - 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 interface²⁾	Including COM15 and breaker status sensor (BSS)			F 0 2	✓
MODBUS-RTU communications interface²⁾	Including COM16 and breaker status sensor (BSS)			F 1 2	✓
Measurement function <i>Plus</i> (without PROFIBUS/MODBUS communications interface³⁾				F 0 5	✓
Overload and short-circuit protection for neutral conductors					
Internal current transformer for N conductor	Size				
Only possible with 4-pole circuit breakers with ETU27B to ETU76B	I			F 2 3	✓
	II			F 2 3	✓
	III			F 2 3	✓
EMC filters					
EMC filters	<ul style="list-style-type: none"> 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 withdrawable circuit breaker and guide frame separately, specify order code "F02" or "F12" for withdrawable circuit breaker only.

³⁾ Additional voltage transformers are required for connection of the measurement function *Plus*, see page 60.

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

3WL.....-.....-Z

Additional price

None None None +...+...

Locking devices (for fixed-mounted versions and withdrawable versions)				
Locking devices against unauthorized closing, in the operator panels The disconnecter 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		✓
EMERGENCY-STOP pushbuttons	Mushroom pushbutton instead of the mechanical OFF pushbutton	S 2 4		✓
	Made by Profalux	S 0 9		✓
Locking devices for operating mechanism handles with padlock²⁾		S 3 3		✓
Locking devices (for withdrawable version)				
Locking devices against unauthorized closing, for withdrawable circuit breakers The disconnecter 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 code "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 Lock for mounting on the circuit breaker	Version			
	Made by CES	S 7 1		✓
	Made by Profalux	S 7 5		✓
Locking mechanisms (for fixed-mounted versions)	Made by Ronis	S 7 6		✓
	Locking devices Not possible in combination with order code "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 code "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 code "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.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Options

Add "-Z" to the complete Article No. and indicate the appropriate order code(s).			3WL.....-.....-Z <small>None None None +...+</small>	Additional price	
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: 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: 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: 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	✓	✓	
III	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 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	✓	✓	
III	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 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⁾ Only horizontal connection and vertical connection are available for circuit breakers with very high breaking capacity C.

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

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

3WL.....-.....-Z

Additional price

For fixed-mounted circuit breakers					
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		Additional price 3-pole	Additional price 4-pole
Top: ¹⁾ horizontal	I	Up to 1600 A	N 1 1	✓	✓
Bottom: accessible from front, single hole	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	I	Up to 1600 A	N 2 0	✓	✓
Bottom: horizontal		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	I	Up to 1600 A	N 2 4	✓	✓
Bottom: vertical		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 3WL size I with high breaking capacity H

Air Circuit Breakers

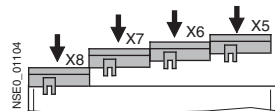
3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Accessories and spare parts

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:

- 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 First auxiliary supply connector X6 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 CubicleBUS)	+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:	+1	X7
<ul style="list-style-type: none"> • Tripped signal switch S24 • Stored-energy status indication S21 • Electrical ON button S10 • Signaling switch on first and second auxiliary release S22 + S23 		
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 at "Accessories and spare parts, Guide frames for AC circuit breakers/non-automatic air circuit breakers", pages 45 to 50 and under "Accessories and spare parts, Auxiliary conductor connections, Auxiliary supply connectors", page 56.

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.	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	103	25.000
	1600	... 66		3WL9211-2AA□□-□□A1		1	1 unit	103	25.000
II	2000	... 100		3WL9212-3AA□□-□□A1		1	1 unit	103	31.000
	2500	... 100		3WL9212-4AA□□-□□A1		1	1 unit	103	39.000
	3200	... 100		3WL9212-5AA□□-□□A1		1	1 unit	103	45.000
III	4000	... 100		3WL9213-6AA□□-□□A1		1	1 unit	103	60.000
Front main circuit connection, double hole									
I	1000	... 66		3WL9211-1AB□□-□□A1		1	1 unit	103	25.000
	1600	... 66		3WL9211-2AB□□-□□A1		1	1 unit	103	25.000
	2000 ¹⁾	... 85		3WL9211-3AB□□-□□A1		1	1 unit	103	25.000
II	2000	... 100		3WL9212-3AB□□-□□A1		1	1 unit	103	31.000
	2500	... 100		3WL9212-4AB□□-□□A1		1	1 unit	103	39.000
	3200	... 100		3WL9212-5AB□□-□□A1		1	1 unit	103	45.000
III	4000	... 100		3WL9213-6AB□□-□□A1		1	1 unit	103	60.000
Horizontal main circuit connection									
I	1000	... 66		3WL9211-1AC□□-□□A1		1	1 unit	103	25.000
	1600	... 66		3WL9211-2AC□□-□□A1		1	1 unit	103	25.000
	2000 ¹⁾	... 85		3WL9211-3AC□□-□□A1		1	1 unit	103	25.000
II	2000	... 100		3WL9212-3AC□□-□□A1		1	1 unit	103	31.000
	2500	... 100		3WL9212-4AC□□-□□A1		1	1 unit	103	39.000
	3200	... 100		3WL9212-5AC□□-□□A1		1	1 unit	103	45.000
III	4000	... 100		3WL9213-6AC□□-□□A1		1	1 unit	103	60.000
	5000	... 100		3WL9213-7AC□□-□□A1		1	1 unit	103	60.000
	4000	... 150		3WL9213-6AC□□-□□C1		1	1 unit	103	63.000
	5000	... 150		3WL9213-7AC□□-□□C1		1	1 unit	103	63.000
Options									
Number of auxiliary supply connectors	Without			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 44.									
Type of auxiliary circuit connections	Without			0		None			
	With screw connection (SIGUT, standard)			1		✓			
	With screwless connection method (tension spring)			2		✓			
Position signaling switches	Without			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	Without			A		None			
	With shutter, 2-part, lockable	Size I		B		✓			
		Size II		B		✓			
		Size III		B		✓			

✓ Additional price

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

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

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 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 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 frame¹⁾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			
<ul style="list-style-type: none"> • 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 pages 38 to 43. 			

✓ 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.

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.	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
A		kA							
Vertical main circuit connection									
I	1000	... 66		3WL9211-1AD □□-□□A1		1	1 unit	103	25.000
	1600	... 66		3WL9211-2AD □□-□□A1		1	1 unit	103	25.000
	2000 ¹⁾	... 85		3WL9211-3AD □□-□□A1		1	1 unit	103	25.000
II	2000	... 100		3WL9212-3AD □□-□□A1		1	1 unit	103	31.000
	2500	... 100		3WL9212-4AD □□-□□A1		1	1 unit	103	39.000
	3200	... 100		3WL9212-5AD □□-□□A1		1	1 unit	103	45.000
III	4000	... 100		3WL9213-6AD □□-□□A1		1	1 unit	103	60.000
	5000	... 100		3WL9213-7AD □□-□□A1		1	1 unit	103	60.000
	6300	... 100		3WL9213-8AD □□-□□A1		1	1 unit	103	70.000
	4000	... 150		3WL9213-6AD □□-□□C1		1	1 unit	103	63.000
	5000	... 150		3WL9213-7AD □□-□□C1		1	1 unit	103	63.000
	6300	... 150		3WL9213-8AD □□-□□C1		1	1 unit	103	74.000
Main circuit connection connecting flanges									
I	1000	... 66		3WL9211-1AE □□-□□A1		1	1 unit	103	25.000
	1600	... 66		3WL9211-2AE □□-□□A1		1	1 unit	103	25.000
	2000 ¹⁾	... 85		3WL9211-3AE □□-□□A1		1	1 unit	103	25.000
II	2000	... 100		3WL9212-3AE □□-□□A1		1	1 unit	103	31.000
	2500	... 100		3WL9212-4AE □□-□□A1		1	1 unit	103	39.000
	3200	... 100		3WL9212-5AE □□-□□A1		1	1 unit	103	45.000
III	4000	... 100	3WL9213-6AE □□-□□A1		1	1 unit	103	60.000	
Options									
Number of auxiliary supply connectors	Without			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 44.								
Type of auxiliary circuit connections	Without			0					None
	With screw connection (SIGUT, standard)			1					✓
	With screwless connection method (tension spring)			2					✓
Position signaling switches	Without			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	Without			A					None
	With shutter, Size I			B					✓
	2-part, Size II			B					✓
	lockable, 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 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 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 frame¹⁾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									
<ul style="list-style-type: none"> 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 pages 38 to 43. 									

✓ Additional price

¹⁾ For 3WL circuit breakers size I from 630A to 2000A with high breaking capacity H and 3WL 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.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Accessories and spare parts

Size	Max. rated circuit breaker current I_n max. A	Breaking capacity $I_{cu} = I_{cs}$ kA	DT	Guide frames for 4-pole circuit breakers/ non-automatic air circuit breakers Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
Front main circuit connection, single hole									
I	1000	... 66		3WL9211-1BA□□-□□A1		1	1 unit	103	30.000
	1600	... 66		3WL9211-2BA□□-□□A1		1	1 unit	103	30.000
II	2000	... 100		3WL9212-3BA□□-□□A1		1	1 unit	103	37.000
	2500	... 100		3WL9212-4BA□□-□□A1		1	1 unit	103	47.000
	3200	... 100		3WL9212-5BA□□-□□A1		1	1 unit	103	54.000
III	4000	... 100		3WL9213-6BA□□-□□A1		1	1 unit	103	84.000
Front main circuit connection, double hole									
I	1000	... 66		3WL9211-1BB□□-□□A1		1	1 unit	103	30.000
	1600	... 66		3WL9211-2BB□□-□□A1		1	1 unit	103	30.000
	2000 ¹⁾	... 85		3WL9211-3BB□□-□□A1		1	1 unit	103	30.000
II	2000	... 100		3WL9212-3BB□□-□□A1		1	1 unit	103	37.000
	2500	... 100		3WL9212-4BB□□-□□A1		1	1 unit	103	47.000
	3200	... 100		3WL9212-5BB□□-□□A1		1	1 unit	103	54.000
III	4000	... 100		3WL9213-6BB□□-□□A1		1	1 unit	103	84.000
Horizontal main circuit connection									
I	1000	... 66		3WL9211-1BC□□-□□A1		1	1 unit	103	30.000
	1600	... 66		3WL9211-2BC□□-□□A1		1	1 unit	103	30.000
	2000 ¹⁾	... 85		3WL9211-3BC□□-□□A1		1	1 unit	103	30.000
II	2000	... 100		3WL9212-3BC□□-□□A1		1	1 unit	103	37.000
	2500	... 100		3WL9212-4BC□□-□□A1		1	1 unit	103	47.000
	3200	... 100		3WL9212-5BC□□-□□A1		1	1 unit	103	54.000
III	4000	... 100		3WL9213-6BC□□-□□A1		1	1 unit	103	84.000
	5000	... 100		3WL9213-7BC□□-□□A1		1	1 unit	103	84.000
	4000	... 130		3WL9213-6BC□□-□□C1		1	1 unit	103	87.000
	5000	... 130		3WL9213-7BC□□-□□C1		1	1 unit	103	87.000
Options									
Number of auxiliary supply connectors	Without			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 44.									
Type of auxiliary circuit connections	Without			0					None
	With screw connection (SIGUT, standard)			1					✓
	With screwless connection method (tension spring)			2					✓
Position signaling switches	Without			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	Without			A					None
	With shutter, 2-part, lockable	Size I		B					✓
		Size II		B					✓
		Size III		B					✓

✓ Additional price

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

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 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 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 frame¹⁾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		
<ul style="list-style-type: none"> 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 pages 38 to 43. 		

✓ 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.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Accessories and spare parts






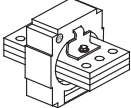


Size	Max. rated circuit breaker current I_n max. A	Breaking capacity $I_{cu} = I_{cs}$ kA	DT	Guide frames for 4-pole circuit breakers/ non-automatic air circuit breakers Article No.	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg	
Vertical main circuit connection										
I	1000	... 66		3WL9211-1BD□□-□□A1		1	1 unit	103	30.000	
	1600	... 66		3WL9211-2BD□□-□□A1		1	1 unit	103	30.000	
	2000 ¹⁾	... 85		3WL9211-3BD□□-□□A1		1	1 unit	103	30.000	
II	2000	... 100		3WL9212-3BD□□-□□A1		1	1 unit	103	37.000	
	2500	... 100		3WL9212-4BD□□-□□A1		1	1 unit	103	47.000	
	3200	... 100		3WL9212-5BD□□-□□A1		1	1 unit	103	54.000	
III	4000	... 100		3WL9213-6BD□□-□□A1		1	1 unit	103	84.000	
	5000	... 100		3WL9213-7BD□□-□□A1		1	1 unit	103	84.000	
	6300	... 100		3WL9213-8BD□□-□□A1		1	1 unit	103	119.000	
	4000	... 130		3WL9213-6BD□□-□□C1		1	1 unit	103	88.000	
	5000	... 130		3WL9213-7BD□□-□□C1		1	1 unit	103	88.000	
	6300	... 130		3WL9213-8BD□□-□□C1		1	1 unit	103	124.000	
	Main circuit connection connecting flanges									
	I	1000	... 66		3WL9211-1BE□□-□□A1		1	1 unit	103	30.000
		1600	... 66		3WL9211-2BE□□-□□A1		1	1 unit	103	30.000
2000 ¹⁾		... 85		3WL9211-3BE□□-□□A1		1	1 unit	103	30.000	
II	2000	... 100		3WL9212-3BE□□-□□A1		1	1 unit	103	37.000	
	2500	... 100		3WL9212-4BE□□-□□A1		1	1 unit	103	47.000	
	3200	... 100		3WL9212-5BE□□-□□A1		1	1 unit	103	54.000	
III	4000	... 100	3WL9213-6BE□□-□□A1		1	1 unit	103	84.000		
Options										
Number of auxiliary supply connectors	Without		0		Additional price				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 44.										
Type of auxiliary circuit connections	Without		0						None	
	With screw connection (SIGUT, standard)		1						✓	
	With screwless connection method (tension spring)		2						✓	
Position signaling switches	Without		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	Without		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 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 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 frame¹⁾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										
<ul style="list-style-type: none"> 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 pages 38 to 43. 										

✓ Additional price

¹⁾ For 3WL circuit breakers size I from 630A to 2000A with high breaking capacity H and 3WL 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.

	Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity).
 NSE0_01610b 3WL931.-AA.0-0AA1	Protective devices with device holder and optional measurement function¹⁾					Contact factory for availability
	Type	With protection function	Measurement function			
	ETU15B	LI	Without	3WL9311-5AA00-0AA2		✓
	ETU25B	LSI	Without	3WL9312-5AA00-0AA2		✓
	ETU27B	LSING	Without	3WL9312-7AA00-0AA2		✓
	ETU45B (without display)	LSIN(G)	Without With measurement function <i>Plus</i>	3WL9314-5AA00-0AA2 3WL9314-5AA20-0AA2		✓ ✓
 NSE0_00992b 3WL9111-0AA64-0AA0	Rating plugs²⁾					
	Size	Rated current I_n (A)				
	I, II	250	3WL9111-0AA51-0AA0			✓
		315	3WL9111-0AA52-0AA0			✓
		400	3WL9111-0AA53-0AA0			✓
		500	3WL9111-0AA54-0AA0			✓
		630	3WL9111-0AA55-0AA0			✓
		800	3WL9111-0AA56-0AA0			✓
		1000	3WL9111-0AA57-0AA0			✓
	I, II, III	1250	3WL9111-0AA58-0AA0			✓
1600		3WL9111-0AA61-0AA0			✓	
2000		3WL9111-0AA62-0AA0			✓	
II, III	2500	3WL9111-0AA63-0AA0			✓	
	3200	3WL9111-0AA64-0AA0			✓	
	4000	3WL9111-0AA65-0AA0			✓	
III	5000	3WL9111-0AA66-0AA0			✓	
	6300	3WL9111-0AA67-0AA0			✓	
 NSE0_01027a 3WL9111-0AT53-0AA0	Ground-fault modules³⁾					
	Versions	<ul style="list-style-type: none"> • GFM AT 45B (only for ETU45B) alarm and tripping • GFM AT 55B–76B (only for ETU76B) alarm and tripping 		3WL9111-0AT53-0AA0 3WL9111-0AT56-0AA0		✓
 NSE0_01609 3WL9111-0AT81-0AA0	Displays			3WL9111-0AT81-0AA0	WLLCD48	
	<ul style="list-style-type: none"> • For ETU45B • 4-line 					
 NSE0_00990a 3WL9111-0AA2.-0AA0	Internal current transformers for N conductor					
	Including wiring kit					
	ETU Release 2	Size				
	✓	I	3WL9111-0AA11-0AA0			
		II	3WL9111-0AA12-0AA0			
		III	3WL9111-0AA13-0AA0			
✓	I	3WL9111-0AA14-0AA0				
	II	3WL9111-0AA15-0AA0				
	III	3WL9111-0AA16-0AA0				
 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		WLNCT2 WLNCT3	✓
		II	3WL9111-0AA22-0AA0			
		III	3WL9111-0AA23-0AA0			
✓	I	3WL9111-0AA31-0AA0				
	II	3WL9111-0AA32-0AA0				
	III	3WL9111-0AA33-0AA0				
 3WL9111-0AK32-0AA0 3WL9111-0AK34-0AA0	EMC filters					
	<ul style="list-style-type: none"> • Common-mode interference suppressor filters (e.g. in IT networks, caused by frequency converters) • Insertion loss (asymm.) in the range 40 kHz to 10 MHz >40 dB. 					
 3WL9111-0AK32-0AA0 3WL9111-0AK34-0AA0	Versions					
	<ul style="list-style-type: none"> • Not for ETU Release 2 • Only for ETU Release 2 			3WL9111-0AK32-0AA0 3WL9111-0AK34-0AA0		✓

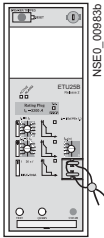
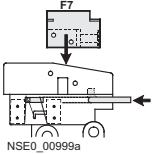
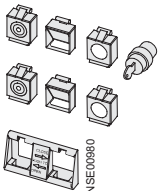
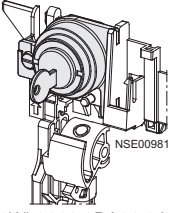
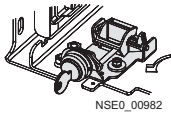
¹⁾ For replacement in existing circuit breakers please specify the circuit breaker ID No. when ordering.
²⁾ With the rating plug selected, the maximum rated current $I_{n\max}$ of the circuit breaker must not be exceeded. The following applies $I_n \leq I_{n\max}$.

³⁾ For direct measurement of the ground-fault current, e.g. in the neutral point of the transformer, a 1,200 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.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Accessories and spare parts

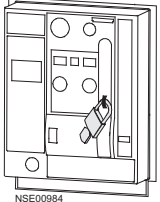
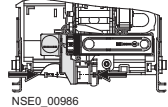
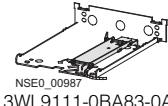

	Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity).	
More accessories for Electronic Trip Units						Contact factory for availability	
 	Sealable and lockable covers Versions						
	<ul style="list-style-type: none"> For ETU15B to ETU45B For ETU76 		3WL9111-0AT45-0AA0 3WL9111-0AT46-0AA0		WLTUSC55 WLTUSC76		
	Automatic reset of the reclosing lockout Spare part for option K01 , see "-Z" + order code, page 39 .			3WL9111-0AK21-0AA0			
	Remote reset coils¹⁾ <ul style="list-style-type: none"> For mechanical tripped indicator Spare part for option K10 to K13, see "-Z" + order code, page 39. 						
	Note						
	Automatic reset of the reclosing lockout 3WL9111-0AK21-0AA0 also needed.						
	Versions <ul style="list-style-type: none"> 24 V DC 48 V DC 120 V AC/125 V DC 208-250 V AC/208-250 V DC 		3WL9111-0AK03-0AA0 3WL9111-0AK04-0AA0 3WL9111-0AK05-0AA0 3WL9111-0AK06-0AA0		WLRSET24 WLRSET48 WLRSET120 WLRSET240		
	Retrofittable internal CubicleBUS wiring for connection to terminal X8 <ul style="list-style-type: none"> For ETU45B and ETU76B Without male connector²⁾ 			3WL9111-0AK30-0AA0			
	Retrofittable internal wiring for connection of the external N- and G-transformers to terminal X8 <ul style="list-style-type: none"> Not for ETU Release 2 Without male connector 			3WL9111-0AK31-0AA0			
	Retrofittable internal wiring for connection of the external N- and G-transformers to terminal X8 <ul style="list-style-type: none"> For ETU Release 2 Without male connector 			3WL9111-0AK33-0AA0			
Locking devices							
	Interlocking set for mechanical ON/OFF <ul style="list-style-type: none"> consisting of 2 transparent covers each for sealing or for attaching padlocks⁴⁾, Cover with 6.35 mm hole (for tool actuation) Lock mount for lock for key operation 						
	Versions <ul style="list-style-type: none"> Without lock Made by CES Made by IKON 		3WL9111-0BA21-0AA0 3WL9111-0BA22-0AA0 3WL9111-0BA24-0AA0		WLLKKT	✓	
	Locking devices against unauthorized closing, in the operator panels <ul style="list-style-type: none"> The disconnector unit fulfills the requirements for main circuit breakers acc. to EN 60204-1 Spare part for option S01 to S09, see "-Z" + order code, page 41. 						
	Versions <ul style="list-style-type: none"> Assembly kit FORTRESS or CASTELL³⁾ Made by Ronis Made by KIRK-Key³⁾ Made by Profalux Made by CES Made by IKON Assembly kit for padlocks⁴⁾ 		3WL9111-0BA31-0AA0 3WL9111-0BA33-0AA0 3WL9111-0BA34-0AA0 3WL9111-0BA35-0AA0 3WL9111-0BA36-0AA0 3WL9111-0BA38-0AA0 3WL9111-0BA41-0AA0		WLLKOFFKRK WLLKNP		
	Locking devices against unauthorized closing, for withdrawable circuit breakers <ul style="list-style-type: none"> 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 option R60, R61, R68, see "-Z" + order code, page 41. 						
	Versions <ul style="list-style-type: none"> Made by CES Made by IKON Made by KIRK-Key³⁾ Made by Ronis Made by Profalux 		3WL9111-0BA51-0AA0 3WL9111-0BA53-0AA0 3WL9111-0BA57-0AA0 3WL9111-0BA58-0AA0 3WL9111-0BA50-0AA0		WLDLPR		

¹⁾ Can only be used in conjunction with "automatic reset of reclosing lockout", e. g. "-Z" + "K01", 3WL9 111-0AK21-0AA0.

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.

	Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity). Contact factory for availability
 <small>NSE00984</small> 3WL9111-0BA71-0AA0	Locking devices for operating mechanism handle with padlock¹⁾ Spare part for option S33 , see "-Z" + order code, page 41 .		3WL9111-0BA71-0AA0		WLHANDLC	
 <small>NSE0_00986</small> 3WL9111-0BA76-0AA0	Locking devices to prevent movement of the withdrawable circuit breakers <ul style="list-style-type: none"> Lock for mounting on the circuit breaker Spare part for option S71, S75, S76, see "-Z" + order code, page 41. 	Versions	<ul style="list-style-type: none"> Made by CES Made by IKON Made by Profalux Made by Ronis Made by KIRK-Key²⁾ 		3WL9111-0BA73-0AA0 3WL9111-0BA75-0AA0 3WL9111-0BA76-0AA0 3WL9111-0BA77-0AA0 3WL9111-0BA80-0AA0	WLLKCLKRK
	Interlocking systems <ul style="list-style-type: none"> 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			✓
Locking mechanisms						
 <small>NSE0_00987</small> 3WL9111-0BA83-0AA0	Locking devices to prevent movement of the withdrawable circuit breakers in disconnected position <ul style="list-style-type: none"> Consisting of Bowden wire and lock in the cabinet door on the circuit breaker Spare part for option R81, R85, R86, see "-Z" + order code, page 41. Order code, page 41. 	Versions	<ul style="list-style-type: none"> Made by CES Made by IKON Made by Profalux Made by Ronis 		3WL9111-0BA81-0AA0 3WL9111-0BA83-0AA0 3WL9111-0BA85-0AA0 3WL9111-0BA86-0AA0	
	Locking devices to prevent opening of the cabinet door in ON position <ul style="list-style-type: none"> Fixed-mounted Can be defeated Spare part for option S30, see "-Z" + order code, page 41. 		3WL9111-0BB12-0AA0		WLLKOFFDRUL3	
 <small>NSE0_00988</small> 3WL9111-0BB12-0AA0	Locking devices to prevent opening of the cabinet door <ul style="list-style-type: none"> Guide frames Can be defeated Spare part for option R30, see "-Z" + order code, page 41. 		3WL9111-0BB13-0AA0		WLDRLC1	
	Locking devices to prevent movement with the cabinet door open <ul style="list-style-type: none"> Guide frames Spare part for option R50, see "-Z" + order code, page 41. 		3WL9111-0BB15-0AA0		WLDRLC5UL	
	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").					
	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").					

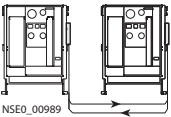
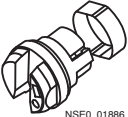
¹⁾ Padlock not included in the scope of supply.

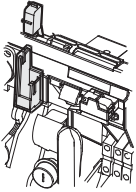
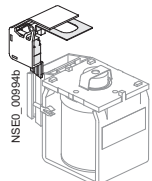

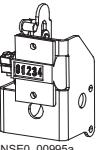
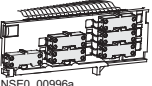
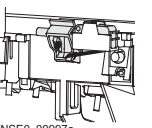
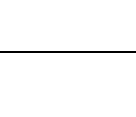
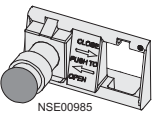
²⁾ Locks, cylinders and keys must be ordered from the manufacturer.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Accessories and spare parts

Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity).																																				
Interlocks																																									
 <p>Mutual mechanical interlocking with 2000 mm Bowden wire (one required for each circuit breaker)</p>																																									
<p>3WL9111-0BB21-0AA0</p> <table border="1"> <thead> <tr> <th>Type</th> <th>When ordered separately</th> <th>Spare part for</th> <th>Article No.</th> <th>Equivalent US catalog no. for Quickship items</th> <th>Quickship items (in limited quantity).</th> </tr> </thead> <tbody> <tr> <td>Fixed-mounted circuit breakers</td> <td>--</td> <td>Option S55, see "-Z" + order code, page 40.</td> <td>3WL9111-0BB21-0AA0</td> <td>WLNTLKF23</td> <td></td> </tr> <tr> <td>Module for withdrawable circuit breakers with guide frame</td> <td>--</td> <td>Option R55, see "-Z" + order code, page 40.</td> <td>3WL9111-0BB24-0AA0</td> <td>WLNTLK</td> <td></td> </tr> <tr> <td>Module for guide frame</td> <td>✓</td> <td>Option R56, see "-Z" + order code, page 40.</td> <td>3WL9111-0BB22-0AA0</td> <td>WLNTLKC</td> <td></td> </tr> <tr> <td>Module for withdrawable circuit breaker</td> <td>✓</td> <td>Option R57, see "-Z" + order code, page 40.</td> <td>3WL9111-0BB23-0AA0</td> <td>WLNTLKB</td> <td></td> </tr> <tr> <td>Adapter for size III Withdrawable circuit breaker</td> <td>✓</td> <td>--</td> <td>3WL9111-0BB30-0AA0</td> <td>WLNTLKB</td> <td></td> </tr> </tbody> </table>						Type	When ordered separately	Spare part for	Article No.	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity).	Fixed-mounted circuit breakers	--	Option S55 , see "-Z" + order code, page 40 .	3WL9111-0BB21-0AA0	WLNTLKF23		Module for withdrawable circuit breakers with guide frame	--	Option R55 , see "-Z" + order code, page 40 .	3WL9111-0BB24-0AA0	WLNTLK		Module for guide frame	✓	Option R56 , see "-Z" + order code, page 40 .	3WL9111-0BB22-0AA0	WLNTLKC		Module for withdrawable circuit breaker	✓	Option R57 , see "-Z" + order code, page 40 .	3WL9111-0BB23-0AA0	WLNTLKB		Adapter for size III Withdrawable circuit breaker	✓	--	3WL9111-0BB30-0AA0	WLNTLKB	
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Module for withdrawable circuit breakers with guide frame	--	Option R55 , see "-Z" + order code, page 40 .	3WL9111-0BB24-0AA0	WLNTLK																																					
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Adapter for size III Withdrawable circuit breaker	✓	--	3WL9111-0BB30-0AA0	WLNTLKB																																					
 <p>Couplings on the circuit breaker (with ring) for mutual interlocking Can be used in all circuit breakers</p>																																									
<p>3WL9112-8HA47-0AA0</p> <table border="1"> <thead> <tr> <th>Article No.</th> <th>Equivalent US catalog no. for Quickship items</th> <th>Quickship items (in limited quantity).</th> </tr> </thead> <tbody> <tr> <td>3WL9112-8AH47-0AA0</td> <td>WLMOC2</td> <td></td> </tr> </tbody> </table>						Article No.	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity).	3WL9112-8AH47-0AA0	WLMOC2																															
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3WL9112-8AH47-0AA0	WLMOC2																																								
Bowden wires																																									
<table border="1"> <thead> <tr> <th>Versions</th> <th>Article No.</th> <th>Equivalent US catalog no. for Quickship items</th> <th>Quickship items (in limited quantity).</th> </tr> </thead> <tbody> <tr> <td>2000 mm</td> <td>3WL9111-0BB45-0AA0</td> <td>WLNTLWIRE2</td> <td></td> </tr> <tr> <td>3,000 mm</td> <td>3WL9111-0BB46-0AA0</td> <td>WLNTLWIRE3</td> <td></td> </tr> <tr> <td>4,500 mm</td> <td>3WL9111-0BB47-0AA0</td> <td>WLNTLWIRE4</td> <td></td> </tr> </tbody> </table>						Versions	Article No.	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity).	2000 mm	3WL9111-0BB45-0AA0	WLNTLWIRE2		3,000 mm	3WL9111-0BB46-0AA0	WLNTLWIRE3		4,500 mm	3WL9111-0BB47-0AA0	WLNTLWIRE4																					
Versions	Article No.	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity).																																						
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4,500 mm	3WL9111-0BB47-0AA0	WLNTLWIRE4																																							
Test devices																																									
<p>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)</p> <table border="1"> <thead> <tr> <th>Article No.</th> <th>Quickship items (in limited quantity).</th> </tr> </thead> <tbody> <tr> <td>3WL9111-0AT32-0AA0</td> <td>✓</td> </tr> </tbody> </table>						Article No.	Quickship items (in limited quantity).	3WL9111-0AT32-0AA0	✓																																
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<p>Function testers For testing the tripping characteristics for Electronic Trip Units ETU15B to ETU76B</p> <table border="1"> <thead> <tr> <th>Article No.</th> <th>Quickship items (in limited quantity).</th> </tr> </thead> <tbody> <tr> <td>3WL9111-0AT44-0AA0</td> <td></td> </tr> </tbody> </table>						Article No.	Quickship items (in limited quantity).	3WL9111-0AT44-0AA0																																	
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Capacitor storage devices																																									
<p>Capacitor storage devices • For shunt releases • Storage time 5 min</p> <table border="1"> <thead> <tr> <th>Rated control supply voltage/rated operational voltage</th> <th>Article No.</th> <th>Quickship items (in limited quantity).</th> </tr> </thead> <tbody> <tr> <td>50/60 Hz V AC V DC</td> <td>3WL9111-0BA14-0AA0</td> <td></td> </tr> <tr> <td>220 ... 240 220 ... 250</td> <td></td> <td></td> </tr> </tbody> </table> <p>Note</p> <ul style="list-style-type: none"> Rated control supply voltage must match the rated control supply voltage of the shunt release Suitable also for 3VL and 3WN circuit breakers 						Rated control supply voltage/rated operational voltage	Article No.	Quickship items (in limited quantity).	50/60 Hz V AC V DC	3WL9111-0BA14-0AA0		220 ... 240 220 ... 250																													
Rated control supply voltage/rated operational voltage	Article No.	Quickship items (in limited quantity).																																							
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220 ... 240 220 ... 250																																									

Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity). Contact factory for availability
Indicators, control elements					
 NSE0_00983a 3WL9111-0AH01-0AA0		3WL9111-0AH01-0AA0		WLRTCS	
<p>Ready-to-close signaling switches</p> <ul style="list-style-type: none"> • 1 NO contact • Spare part for option C22, see "-Z" + order code, page 39. 					
 NSE0_00984a 3WL9111-0AH02-0AA0		3WL9111-0AH02-0AA0		WLUVRC WLSTC	
<p>Signaling switches¹⁾²⁾</p> <ul style="list-style-type: none"> • 1st or 2nd auxiliary release • Spare part for option C26 and C27, see "-Z" + order code, page 39. 					
 NSE0_00995a 3WL9111-0AH07-0AA0		3WL9111-0AH07-0AA0		WLNUMCNT	
<p>1st tripped signaling switch¹⁾²⁾</p> <ul style="list-style-type: none"> • 1 CO contact • Spare part for option K07, see "-Z" + order code, page 39. 					
 NSE0_00996a 3WL9111-0AH12-0AA0		3WL9111-0AH14-0AA0		WLBA	
<p>2nd tripped signaling switch^{1)2)3) NEW}</p> <ul style="list-style-type: none"> • 1 NO contact • Spare part for option K06, see "-Z" + order code, page 39. 					
 NSE0_00997a 3WL9111-0AJ0.-0AA0		3WL9111-0AH08-0AA0		WLLECS	✓
<p>Operating cycles counters</p> <ul style="list-style-type: none"> • Mechanical⁴⁾ • Spare part for option C01, see "-Z" + order code, page 39. 					
 NSE0_00997a 3WL9111-0AJ0.-0AA0		3WL9111-0AH11-0AA0 3WL9111-0AH12-0AA0		WLGSGSW111 WLGSGSW321	
<p>Stored energy status signaling switches¹⁾²⁾</p> <ul style="list-style-type: none"> • 1 NO contact • Spare part for option C20, see "-Z" + order code, page 39. 					
<p>Position signaling switches for guide frames</p> <p>Spare part for option R15 and R16, see "-Z" + order code, page 40.</p> <p>Versions</p> <ul style="list-style-type: none"> • 1st block (3 CO contacts) • 2nd block (6 CO contacts) 					
 NSE0_00997a 3WL9111-0BA72-0AA0		3WL9111-0AJ02-0AA0 3WL9111-0AJ03-0AA0 3WL9111-0AJ05-0AA0		WLMCOSW	
<p>Electrical ON buttons¹⁾⁵⁾</p> <ul style="list-style-type: none"> • Button + wiring²⁾ • For operator panel • Spare part for option C11 and C12, see "-Z" + order code, page 39 <p>Versions</p> <ul style="list-style-type: none"> • With sealing cap C11 • With CES C12 assembly kit • With IKON assembly kit <p>Note</p> <p>Possible only for circuit breakers with closing coil.</p>					
 NSE00985 3WL9111-0BA72-0AA0		3WL9111-0AJ06-0AA0		WLEPEN	
<p>Motor shutdown switches⁶⁾</p> <ul style="list-style-type: none"> • Mounting on operator panel • Spare part for option S25, see "-Z" + order code, page 39. 					
<p>EMERGENCY-STOP pushbuttons</p> <ul style="list-style-type: none"> • Mushroom pushbutton instead of the mechanical OFF pushbutton • Spare part for option S24, see "-Z" + order code, page 39. 					

1) Not possible with communications interface option, order code "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 [pages 44 and 56](#)).

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

4) Only in conjunction with motorized operating mechanism.

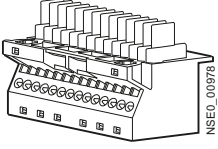
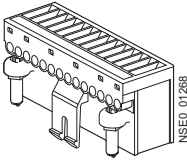
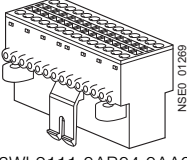


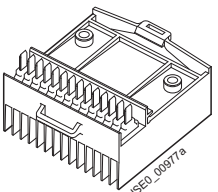
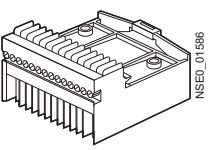
5) Not possible with motor shutdown switch.

6) Not possible with electrical ON button.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

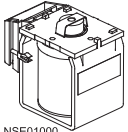
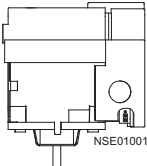
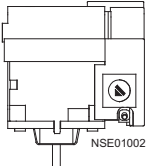
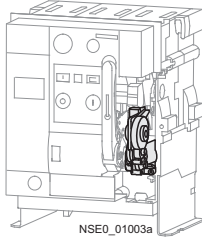
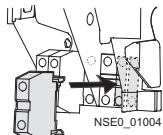
Accessories and spare parts

	Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity). Contact factory for availability
Auxiliary conductor connections						
	Male connectors for circuit breakers		3WL9111-0AB01-0AA0		WLCNMD	
3WL9111-0AB01-0AA0	Extension for the 1000 V male connector versions Male connector must be ordered separately.		3WL9111-0AB02-0AA0		WLCNMDA	
	Male connectors and extension for 1000 V		3WL9111-0AB10-0AA0			
Auxiliary supply connectors for circuit breakers or guide frames						
	Versions • Screw connection (SIGUT) • Screwless connection method (tension spring)		3WL9111-0AB03-0AA0 3WL9111-0AB04-0AA0		WLGAXPLUGP WLGAXPLUGT	
3WL9111-0AB03-0AA0						
			3WL9111-0AB04-0AA0			
3WL9111-0AB04-0AA0						
	Coding kits For fixed-mounted versions (X5 to X8)		3WL9111-0AB07-0AA0		WLCODEKITUL	
			3WL9111-0AB07-0AA0			
3WL9111-0AB07-0AA0						
	Sliding contact modules for guide frames		3WL9111-0AB08-0AA0		WLGDSCN	
3WL9111-0AB08-0AA0						
	One-part sliding contact modules for guide frames Screw connection (SIGUT)		3WL9111-0AB18-0AA0		WLGAXPLUGL	
3WL9111-0AB18-0AA0						
	Blanking blocks for circuit breakers		3WL9111-0AB12-0AA0		WLGDAUXPLUG	

For a complete auxiliary current connection you must order:

Fixed-mounted version: + +

Withdrawable versions: + + or +

	Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity). Contact factory for availability	
Auxiliary releases							
 <p>NSE01000 3WL9111-0AD06-0AA0</p>	Closing coils/shunt releases						
	Versions	Voltage					
	100 % OP	24 V DC 30 V DC 48 V DC 60 V DC 110 ... 125 V DC/110 ... 127 V AC 220 ... 250 V DC/208 ... 240 V AC	3WL9111-0AD01-0AA0 3WL9111-0AD02-0AA0 3WL9111-0AD03-0AA0 3WL9111-0AD04-0AA0 3WL9111-0AD05-0AA0 3WL9111-0AD06-0AA0		WLSTCD24 WLSTCD48 WLSTCD120 WLSTCD240		
	5 % OP ¹⁾	24 V DC 48 V DC 110 ... 125 V DC/110 ... 127 V AC 220 ... 250 V DC/208 ... 240 V AC	3WL9111-0AD11-0AA0 3WL9111-0AD12-0AA0 3WL9111-0AD13-0AA0 3WL9111-0AD14-0AA0		WLRCs24 WLRCs48 WLRCs120 WLRCs240		
Undervoltage releases							
 <p>NSE01001 3WL9111-0AE0-0AA0</p>	Versions	Voltage					
		Instantaneous	24 V DC 30 V DC 48 V DC 60 V DC 110 ... 125 V DC/110 ... 127 V AC 220 ... 250 V DC/208 ... 240 V AC 380 ... 415 V AC	3WL9111-0AE01-0AA0 3WL9111-0AE02-0AA0 3WL9111-0AE03-0AA0 3WL9111-0AE07-0AA0 3WL9111-0AE04-0AA0 3WL9111-0AE05-0AA0 3WL9111-0AE06-0AA0		WLUV24 WLUV48 WLUV120 WLUV240	
 <p>NSE01002 3WL9111-0AE1-0AA0</p>		Delayed	48 V DC 110 ... 125 V DC/110 ... 127 V AC 220 ... 250 V DC/208 ... 240 V AC 380 ... 415 V AC	3WL9111-0AE11-0AA0 3WL9111-0AE12-0AA0 3WL9111-0AE13-0AA0 3WL9111-0AE14-0AA0		WLUVd48 WLUVd120 WLUVd240	
Operating mechanisms							
 <p>NSE0_01003a 3WL9111-0AF0-0AA0</p>	Motorized operating mechanisms²⁾						
	Versions	<ul style="list-style-type: none"> 24 ... 30 V DC 48 ... 60 V DC 110 ... 125 V DC/110 ... 127 V AC 220 ... 250 V DC/208 ... 240 V AC 	3WL9111-0AF01-0AA0 3WL9111-0AF02-0AA0 3WL9111-0AF03-0AA0 3WL9111-0AF04-0AA0		WLELCMTR24 WLELCMTR48 WLELCMTR120 WLELCMTR240		
Auxiliary contacts							
 <p>NSE0_01004 3WL9111-0AG03-0AA0</p>	Auxiliary switch blocks						
	Versions	<ul style="list-style-type: none"> 2 NO contacts + 2 NC contacts 2 NO contacts 1 NO contact + 1 NC contact 	3WL9111-0AG01-0AA0 3WL9111-0AG02-0AA0 3WL9111-0AG03-0AA0		WLAS4	✓	

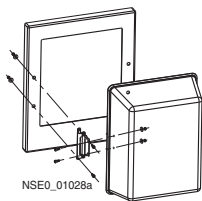
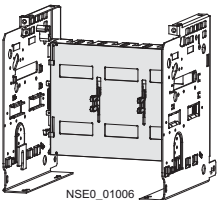
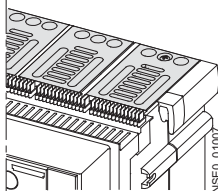
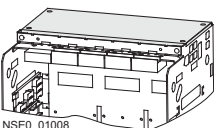
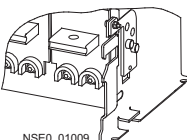
¹⁾ Overexcited, i.e. operating time 50 ms (standard > 80 ms).

²⁾ X5 auxiliary supply connector required for circuit breakers or guide frames. If this is not already available, please order additionally (see pages 44 and 47).


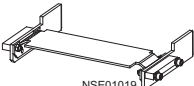

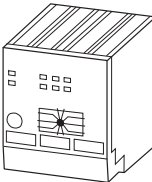
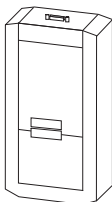
Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Accessories and spare parts

	Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity). Contact factory for availability																																													
Door sealing frames, hoods, shutters																																																			
	Door sealing frames Spare part for option T40 , see "-Z" + order code, page 39 .		3WL9111-0AP01-0AA0		WLDSF																																														
	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			✓																																													
3WL9111-0AP02-0AA0																																																			
	Shutters Spare part for option R21 , see "-Z" + order code, page 40 .																																																		
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	Arc chute covers¹⁾ • Parts kit for guide frame • Spare part for option R10 , see "-Z" + order code, page 40 .																																																		
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¹⁾ 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.

	Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity). Contact factory for availability
Grounding connection						
 <small>NSE0_01018a</small> 3WL9111-0BA02-0AA0	Grounding connection between the guide frame and the withdrawable circuit breaker <ul style="list-style-type: none"> For 30 kA ground short-circuit current¹⁾ Contacting modules for guide frame 					
	Versions <ul style="list-style-type: none"> Size I and II²⁾ Size III 		3WL9111-0BA01-0AA0 3WL9111-0BA02-0AA0		WLEF2	
 <small>NSE01019</small> 3WL9111-0BA07-0AA0	Contacting modules for withdrawable circuit breakers					
	Number of poles	Size				
	3-pole	I II ²⁾ III	3WL9111-0BA05-0AA0 3WL9111-0BA06-0AA0 3WL9111-0BA07-0AA0			
	4-pole	I II ²⁾ III	3WL9111-0BA08-0AA0 3WL9111-0BA04-0AA0 3WL9111-0BA10-0AA0			
Support brackets						
 <small>NSE-01022</small> 3WL9111-0BB50-0AA0	Support brackets <ul style="list-style-type: none"> For mounting fixed-mounted circuit breakers on vertical plane Only for sizes I and II (1 set = 2 units) 		3WL9111-0BB50-0AA0			
CubicleBUS modules³⁾⁶⁾						
 <small>NSE0_01023a</small> 3WL9111-0AT23-0AA0	Digital output modules with rotary coding switch, relay outputs		3WL9111-0AT26-0AA0		WLDGNCUB	
	Digital output modules, configurable, relay outputs		3WL9111-0AT20-0AA0		WLRLCCUB	
	Digital input modules		3WL9111-0AT27-0AA0		WLRLYCUB	
	Analog output modules		3WL9111-0AT23-0AA0		WLANLGCUB	
	Zone Selective Interlocking modules		3WL9111-0AT21-0AA0		WLZSIMD	
Parameterization systems⁶⁾						
 <small>NSE0_01024a</small> 3WL9111-0AT28-0AA0	BDA Plus⁴⁾⁵⁾ <ul style="list-style-type: none"> 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			✓
Connection cables for BDA Plus <ul style="list-style-type: none"> 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 CubicleBUS modules are available Length 2 m 		3WL9111-0BC21-0AA0		WLBDAPMNT		

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

²⁾ Cannot be used for size II, 4000 A.

³⁾ Each **CubicleBUS** 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.

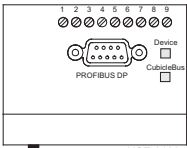
⁵⁾ Operation under Windows Vista and Windows 7 possible with restrictions.

⁶⁾ All communication components, **CubicleBUS** modules and measurement functions are available for the ETU45B and ETU76B.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

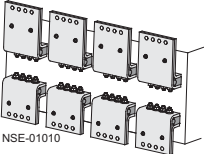
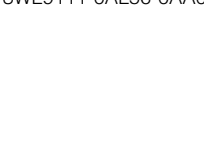
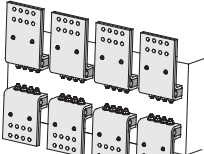
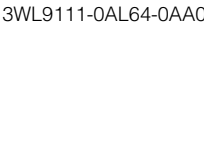
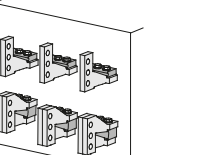
Accessories and spare parts

Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity). Contact factory for availability
Accessories for communications³⁾					
Preassembled cables for CubicleBUS modules					
Versions					
<ul style="list-style-type: none"> • 0.2 m long, for connection to 3WL with COM15/COM16 • 1 m long, for connection to 3WL with COM15/COM16 • 2 m long, for connection to 3WL with COM15/COM16 • 2 m long, for connection to 3WL without COM15/COM16 		3WL9111-0BC04-0AA0 3WL9111-0BC02-0AA0 3WL9111-0BC03-0AA0 3WL9111-0BC05-0AA0		WLCBUSCABLE02 WLCBUSCABLE1 WLCBUSCABLE2	
Voltage transformers					
<ul style="list-style-type: none"> • 3-pole, for 3WL circuit breakers with measurement function <i>Plus</i>¹⁾ • 380 ... 690 V/100 V, class 0.5 		3WL9111-0BB68-0AA0			
Retrofitting and spare parts³⁾					
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					
		3WL9111-0AT12-0AA0		WLCM15RET	
COM15 PROFIBUS module					
For ETU45B and ETU76B					
 <p>3WL9111-0AT15-0AA0</p>		3WL9111-0AT15-0AA0		WLCM16MD	
COM16 MODBUS modules					
For ETU45B and ETU76B					
		3WL9111-0AT17-0AA0			✓
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					
		3WL9111-0AT18-0AA0			✓
Breaker status sensor (BSS)					
For ETU45B and ETU76B					
		3WL9111-0AT16-0AA0		WLBSS	✓
Measurement function <i>Plus</i>²⁾					
<ul style="list-style-type: none"> • For ETUs Release 2 • Voltage transformer required 					
		3WL9111-0AT04-0AA0			

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

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

³⁾ All communication components, **CubicleBUS** modules and measurement functions are available for the ETU45B and ETU76B.

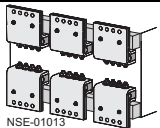
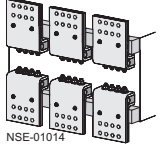
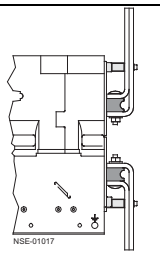

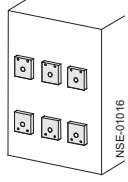
	Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity). Contact factory for availability
Main conductor connections, fixed-mounted versions (essential accessory)						
Specified for each connection						
 <p>3WL9111-0AL06-0AA0</p>	Front-accessible main connections, single hole at top¹⁾					
	Size	Rated current I_n				
	I	Up to 1000 A 1250 A to 1600 A	3WL9111-0AL01-0AA0 3WL9111-0AL02-0AA0			
	II	Up to 2000 A Up to 2500 A Up to 3200 A	3WL9111-0AL03-0AA0 3WL9111-0AL04-0AA0 3WL9111-0AL05-0AA0			
		III	Up to 4000 A	3WL9111-0AL06-0AA0		
 <p>3WL9111-0AL56-0AA0</p>	Front-accessible main connections, single hole at bottom¹⁾					
	Size	Rated current I_n				
	I	Up to 1000 A 1250 A to 1600 A	3WL9111-0AL51-0AA0 3WL9111-0AL52-0AA0			
	II	Up to 2000 A Up to 2500 A Up to 3200 A	3WL9111-0AL53-0AA0 3WL9111-0AL54-0AA0 3WL9111-0AL55-0AA0			
		III	Up to 4000 A	3WL9111-0AL56-0AA0		
 <p>3WL9111-0AL14-0AA0</p>	Front-accessible main connections according to DIN 43673, double hole at top					
	Size	Rated current I_n				
	I	Up to 1000 A ¹⁾ 1250 A to 2000 A	3WL9111-0AL07-0AA0 3WL9111-0AL08-0AA0			
	II	Up to 2000 A Up to 2500 A Up to 3200 A	3WL9111-0AL11-0AA0 3WL9111-0AL12-0AA0 3WL9111-0AL13-0AA0			
		III	Up to 4000 A	3WL9111-0AL14-0AA0		
 <p>3WL9111-0AL64-0AA0</p>	Front-accessible main connections according to DIN 43673, double hole at bottom					
	Size	Rated current I_n				
	I	Up to 1000 A ¹⁾ 1250 A to 2000 A	3WL9111-0AL57-0AA0 3WL9111-0AL58-0AA0			
	II	Up to 2000 A Up to 2500 A Up to 3200 A	3WL9111-0AL61-0AA0 3WL9111-0AL62-0AA0 3WL9111-0AL63-0AA0			
		III	Up to 4000 A	3WL9111-0AL64-0AA0		
 <p>3WL9111-0AM03-0AA0</p>	Rear vertical main connections					
	Size	Rated current I_n				
	I ²⁾	Up to 2000 A	3WL9111-0AM01-0AA0			
	II ³⁾	Up to 3200 A	3WL9111-0AM02-0AA0			
		III	Up to 6300 A	3WL9111-0AM03-0AA0		

- 1) Not for 3WL 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.

Air Circuit Breakers

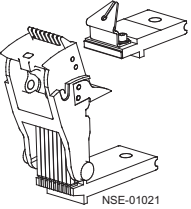
3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Accessories and spare parts

Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity). Contact factory for availability
Main conductor connections, withdrawable versions (essential accessory)					
Specified for each connection					
 <p>NSE-01013 3WL9111-0AN06-0AA0</p>	Front-accessible main connections, single hole at top or at bottom^{1) 2)}				
	Size	Rated current I_n			
	I	Up to 1000 A 1250 A to 1600 A	3WL9111-0AN01-0AA0 3WL9111-0AN02-0AA0		
	II	Up to 2000 A Up to 2500 A Up to 3200 A	3WL9111-0AN03-0AA0 3WL9111-0AN04-0AA0 3WL9111-0AN05-0AA0		
III	Up to 4000 A	3WL9111-0AN06-0AA0			
 <p>NSE-01014 3WL9111-0AN14-0AA0</p>	Front-accessible main connections according to DIN 43673, double hole at top or at bottom¹⁾				
	Size	Rated current I_n			
	I	Up to 1000 A ²⁾ 1250 A to 2000 A	3WL9111-0AN07-0AA0 3WL9111-0AN08-0AA0		
	II	Up to 2000 A Up to 2500 A Up to 3200 A	3WL9111-0AN11-0AA0 3WL9111-0AN12-0AA0 3WL9111-0AN13-0AA0		
III	Up to 4000 A	3WL9111-0AN14-0AA0			
 <p>NSE-01017 3WL9111-0AN41-0AA0</p>	Supports for front and DIN connecting bars				
	Number of poles	Size			
	3-pole for 3 bars	I	3WL9111-0AN41-0AA0		
		II	3WL9111-0AN42-0AA0		
III		3WL9111-0AN43-0AA0			
4-pole for 4 bars	I	3WL9111-0AN44-0AA0			
	II	3WL9111-0AN45-0AA0			
	III	3WL9111-0AN46-0AA0			
 <p>NSE-01015 3WL9111-0AN23-0AA0</p>	Rear vertical main connections				
	Size	Rated current I_n			
	I	Up to 1000 A ²⁾ 1250 A to 2000 A	3WL9111-0AN15-0AA0 3WL9111-0AN16-0AA0		
	II	Up to 2000 A Up to 2500 A Up to 3200 A	3WL9111-0AN17-0AA0 3WL9111-0AN18-0AA0 3WL9111-0AN21-0AA0		
III	Up to 5000 A Up to 6300 A, 3 busbar connection pieces for 3-pole circuit breakers Up to 6300 A, at top, 4 busbar connection pieces for 4-pole circuit breakers Up to 6300 A, at bottom, 4 busbar connection pieces for 4-pole circuit breakers	3WL9111-0AN22-0AA0 3WL9111-0AN23-0AA0 3WL9111-0AN20-0AA0 3WL9111-0AN10-0AA0			
Rear horizontal main connections					
Size	Rated current I_n				
I	Up to 1000 A ²⁾ 1250 A to 2000 A	3WL9111-0AN32-0AA0 3WL9111-0AN33-0AA0			
II	Up to 2000 A Up to 2500 A Up to 3200 A	3WL9111-0AN34-0AA0 3WL9111-0AN35-0AA0 3WL9111-0AN36-0AA0			
III	Up to 5000 A	3WL9111-0AN37-0AA0			
 <p>NSE-01016 3WL9111-0AN24-0AA0</p>	Connecting flange				
	Size	Rated current I_n			
	I	Up to 1000 A ²⁾ 1250 A to 2000 A	3WL9111-0AN24-0AA0 3WL9111-0AN25-0AA0		
	II	Up to 2000 A Up to 2500 A Up to 3200 A	3WL9111-0AN26-0AA0 3WL9111-0AN27-0AA0 3WL9111-0AN28-0AA0		
III	Up to 4000 A	3WL9111-0AN31-0AA0			

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

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

Designation	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity). Contact factory for availability
Conversion sets					
Conversion set for converting fixed-mounted circuit breakers into withdrawable circuit breakers Guide frames and sliding contact modules must be ordered separately.					
Number of poles	Size				
3-pole	I	3WL9111-0BC11-0AA0			
	II	3WL9111-0BC12-0AA0			
	III	3WL9111-0BC13-0AA0			
4-pole	I	3WL9111-0BC14-0AA0			
	II	3WL9111-0BC15-0AA0			
	III	3WL9111-0BC16-0AA0			
Main contact elements					
 Main contact elements					
Size	I _{n max}				
I	Up to 1600 A	3WL9111-0AM90 L1Y¹⁾			
II	Up to 2500 A	3WL9111-0AM91 L1Y¹⁾			
II	Up to 4000 A	3WL9111-0AM92 L1Y¹⁾			
III	Up to 6300 A	3WL9111-0AM93 L1Y¹⁾			
Notes					
<ul style="list-style-type: none"> 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 number 					

¹⁾ Please specify the circuit breaker ID No. in plain text when ordering.

Air Circuit Breakers

3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Accessories and spare parts

Version	Size	DT	Article No.	Price per PU	Equivalent US catalog no. for Quickship items	Quickship items (in limited quantity). Contact factory for availability
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Withdrawable short-circuiting, grounding and bridging units

Withdrawable short-circuiting, grounding and bridging units

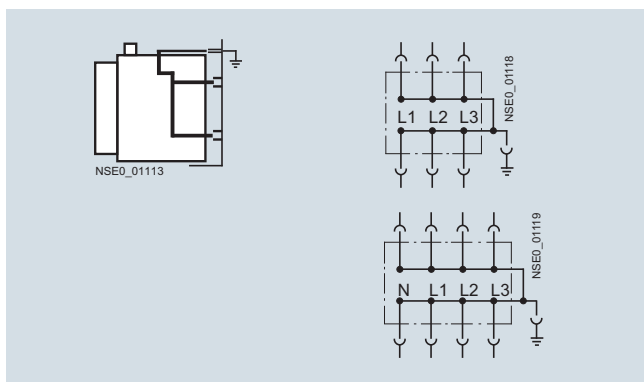
Top and bottom system components are short-circuited and grounded.

Number of poles	Rated current I_n	Size
3-pole	Up to 1600 A	I
	Up to 3200 A	II
	Up to 6300 A	III
4-pole	Up to 1600 A	I
	Up to 3200 A	II
	Up to 6300 A	III

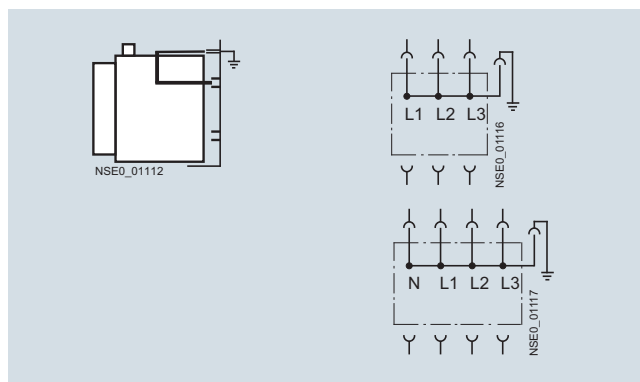
3WL9111-0BD01-0AA0
3WL9111-0BD03-0AA0
3WL9111-0BD05-0AA0

3WL9111-0BD02-0AA0
3WL9111-0BD04-0AA0
3WL9111-0BD06-0AA0

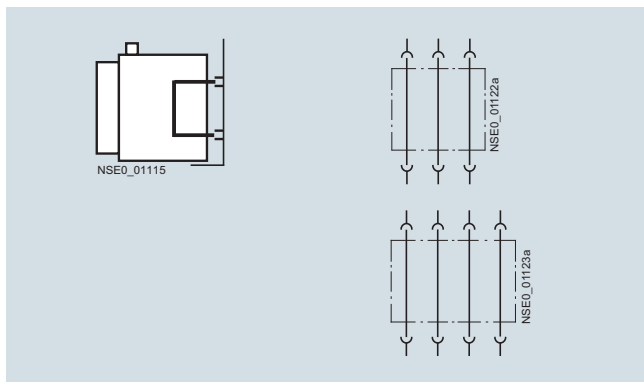
Conversion for the following applications is possible



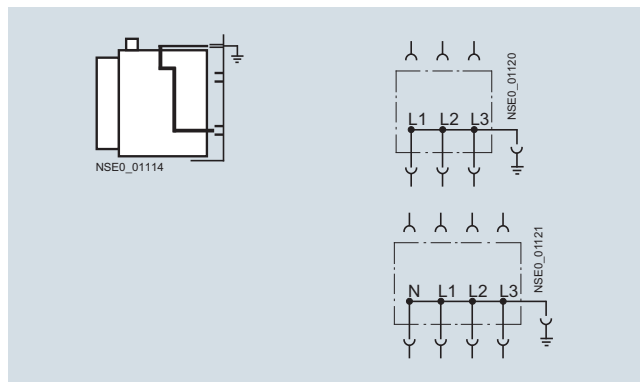
Top and bottom system components are short-circuited and grounded (as-supplied state)



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

Options

Structure of the Article No.

Example	3WL1 2 2 0 - 4 N G 3 1 - 1 F A 2											
5th position: Size	Size II											
6th and 7th positions: Max. rated circuit breaker current $I_{n \max}$	$I_{n \max} = 2000 \text{ A}$											
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 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	3WL1 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											

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 Complete set	German/English	Article No.	3ZX18 12-0WL00-0AN1
PROFIBUS manual Communication	English	Article No.	A5E0151353
MODBUS manual Communication	English	Article No.	3ZX10 12-0WL10-1AC1

Delivery time class C

Air Circuit Breakers

3WL Non-Automatic Air Circuit Breakers up to 4000 A (DC)

3- and 4-pole, fixed-mounted versions

Selection and ordering data

For general data see page 8.

Size	Max. rated circuit breaker current I_n max.	DT	3-pole non-automatic air circuit breakers	DC	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
A			Article No.	Price per PU				kg
Horizontal main circuit connection								
II	1000 2000 4000 ¹⁾		3WL1210-8□□32-□□□□ 3WL1220-8□□32-□□□□ 3WL1240-8□□32-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	56.000 56.000 64.000
Vertical main circuit connection								
II	1000 2000 4000 ¹⁾		3WL1210-8□□31-□□□□ 3WL1220-8□□31-□□□□ 3WL1240-8□□31-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	56.000 56.000 85.000
Front main circuit connection, single hole								
II	1000 2000		3WL1210-8□□33-□□□□ 3WL1220-8□□33-□□□□		1 1	1 unit 1 unit	103 103	56.000 56.000
Front main circuit connection, double hole								
II	1000 2000		3WL1210-8□□34-□□□□ 3WL1220-8□□34-□□□□		1 1	1 unit 1 unit	103 103	56.000 56.000
Options								
Non-autom. air circuit breakers²⁾		Without Electro. Trip Units	AA		Add. price			None
Operating mechanisms		Manual operating mechanism with mechan. closing For further Article No. supplements see page 1/37	1AA2					None

Size	Max. rated circuit breaker current I_n max.	DT	4-pole non-automatic air circuit breakers	DC	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
A			Article No.	Price per PU				kg
Horizontal main circuit connection								
II	1000 2000 4000 ¹⁾		3WL1210-8□□42-□□□□ 3WL1220-8□□42-□□□□ 3WL1240-8□□42-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	67.000 67.000 77.000
Vertical main circuit connection								
II	1000 2000 4000 ¹⁾		3WL1210-8□□41-□□□□ 3WL1220-8□□41-□□□□ 3WL1240-8□□41-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	75.000 75.000 103.000
Front main circuit connection, single hole								
II	1000 2000		3WL1210-8□□43-□□□□ 3WL1220-8□□43-□□□□		1 1	1 unit 1 unit	103 103	67.000 67.000
Front main circuit connection, double hole								
II	1000 2000		3WL1210-8□□44-□□□□ 3WL1220-8□□44-□□□□		1 1	1 unit 1 unit	103 103	67.000 67.000
Options								
Non-autom. air circuit breakers²⁾		Without Electron. Trip Units	AA		Add. price			None
Operating mechanisms		Manual operating mechanism with mechan. closing For further Article No. supplements see page 1/37	1AA2					None

Add "-Z" to the complete Article No. and indicate the appropriate order code(s).			3WL12.0-8.....-Z	Additional price	
			□ □ □	3-pole	4-pole
Condition	Size	Rated current I_n			
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: Order with "-Z" and order code "A05". All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see "3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", page 38 onwards.
An external overload and short-circuit protection device is available from the company "mat" for the 3WL non-automatic air circuit breakers.
Available only directly from the company mat – Maschinen- und Anlagentechnik
(for address see page 1/68).

✓ 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 1/5.

Air Circuit Breakers

3WL Non-Automatic Air Circuit Breakers up to 4000 A (DC)

3- and 4-pole, withdrawable versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n \max}$.	DT	3-pole non-automatic air circuit breakers	DC	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
			Article No.	Price per PU				kg
A								
Without guide frames (for guide frames, see page 69)								
II	1000 2000 4000 ¹⁾		3WL1210-8□□35-□□□□ 3WL1220-8□□35-□□□□ 3WL1240-8□□35-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	60.000 60.000 68.000
With guide frames, horizontal main circuit connection								
II	1000 2000 4000 ¹⁾		3WL1210-8□□36-□□□□ 3WL1220-8□□36-□□□□ 3WL1240-8□□36-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	91.000 91.000 113.000
With guide frames, vertical main circuit connection								
II	1000 2000 4000 ¹⁾		3WL1210-8□□37-□□□□ 3WL1220-8□□37-□□□□ 3WL1240-8□□37-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	91.000 91.000 121.000
With guide frames, connecting flanges								
II	1000 2000 4000 ¹⁾		3WL1210-8□□38-□□□□ 3WL1220-8□□38-□□□□ 3WL1240-8□□38-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	91.000 91.000 113.000
Options								
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units		AA					Additional price None
Operating mechanisms	Manual operating mechanism with mechanical closing		1AA2					None
For further Article No. supplements see page 37								

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 "3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", page 38 onwards.

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

Available only directly from the company mat – Maschinen- und Anlagentechnik (for address see page 68).

✓ 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 5.
- 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.

Air Circuit Breakers

3WL Non-Automatic Air Circuit Breakers up to 4000 A (DC)

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	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
A			Article No.	Price per PU				kg
Without guide frames (for guide frames, see page 69)								
II	1000 2000 4000 ¹⁾		3WL1210-8□□45-□□□□ 3WL1220-8□□45-□□□□ 3WL1240-8□□45-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	75.000 75.000 82.000
With guide frames, horizontal main circuit connection								
II	1000 2000 4000 ¹⁾		3WL1210-8□□46-□□□□ 3WL1220-8□□46-□□□□ 3WL1240-8□□46-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	109.000 109.000 136.000
With guide frames, vertical main circuit connection								
II	1000 2000 4000 ¹⁾		3WL1210-8□□47-□□□□ 3WL1220-8□□47-□□□□ 3WL1240-8□□47-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	109.000 109.000 146.000
With guide frames, connecting flanges								
II	1000 2000 4000 ¹⁾		3WL1210-8□□48-□□□□ 3WL1220-8□□48-□□□□ 3WL1240-8□□48-□□□□		1 1 1	1 unit 1 unit 1 unit	103 103 103	109.000 109.000 136.000
Options								
Non-automatic air circuit breakers²⁾	Without Electronic Trip Units		AA					Additional price None
Operating mechanisms	Manual operating mechanism with mechanical closing		1AA2					None
	For further Article No. supplements see page 37							
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 "3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", page 38 onwards.

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

Available only directly from the company mat – Maschinen- und Anlagentechnik⁵⁾.

✓ 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 5.

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**

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Air Circuit Breakers

3WL Non-Automatic Air Circuit Breakers up to 4000 A (DC)

Accessories and spare parts

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.	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg	
A									
Front main circuit connection, single hole									
II	2000		3WL9212-3DA□□-□□A1		1	1 unit	103	31.000	
Front main circuit connection, double hole									
II	2000		3WL9212-3DB□□-□□A1		1	1 unit	103	31.000	
Horizontal main circuit connection									
II	2000		3WL9212-3DC□□-□□A1		1	1 unit	103	31.000	
	4000		3WL9212-6DC□□-□□A1		1	1 unit	103	60.000	
Vertical main circuit connection									
II	2000		3WL9212-3DD□□-□□A1		1	1 unit	103	31.000	
	4000		3WL9212-6DD□□-□□A1		1	1 unit	103	60.000	
Main circuit connection connecting flanges									
II	2000		3WL9212-3DE□□-□□A1		1	1 unit	103	31.000	
	4000		3WL9212-6DE□□-□□A1		1	1 unit	103	60.000	
Options									
No. of aux. supply connectors		Without	0		Additional price 3-pole				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 44.									
Type of aux. circuit connections		Without	0						None
		With screw connection (SI-GUT, standard)	1						✓
		With screwless connection method (tension spring)	2						✓
Position signaling switches		Without	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		Without	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 frame¹⁾ Only for guide frames with horizontal connection or flange connection									
Size II				A 0 8					✓
Notes									
<ul style="list-style-type: none"> • 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 "3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", page 38 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.

Air Circuit Breakers

3WL Non-Automatic Air Circuit Breakers up to 4000 A (DC)

Accessories and spare parts

Size	Max. rated circuit breaker current $I_{n\max}$	DT	Guide frames for 4-pole non-automatic air circuit breakers	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
	A		Article No.	Price per PU			kg
Front main circuit connection, single hole							
II	2000		3WL9212-3EA□□-□□A1		1	1 unit	103 37.000
Front main circuit connection, double hole							
II	2000		3WL9212-3EB□□-□□A1		1	1 unit	103 37.000
Horizontal main circuit connection							
II	2000		3WL9212-3EC□□-□□A1		1	1 unit	103 37.000
II	4000		3WL9212-6EC□□-□□A1		1	1 unit	103 84.000
Vertical main circuit connection							
II	2000		3WL9212-3ED□□-□□A1		1	1 unit	103 37.000
II	4000		3WL9212-6ED□□-□□A1		1	1 unit	103 84.000
Main circuit connection connecting flanges							
II	2000		3WL9212-3EE□□-□□A1		1	1 unit	103 37.000
II	4000		3WL9212-6EE□□-□□A1		1	1 unit	103 84.000
Options							
No. of aux. supply connectors	Without		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 44.							
Type of auxiliary circuit connections	Without		0				None
	With screw connection (SI-GLUT, standard)		1				✓
	With screwless connection method (tension spring)		2				✓
Position signaling switches	Without		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	Without		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 frame¹⁾ Only for guide frames with horizontal connection or flange connection							
Size II			A 0 8				✓
Notes							
<ul style="list-style-type: none"> 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 "3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", page 38 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.

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