

SENTRON Switching and Protection Devices – Air Circuit Breakers



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3WL Air Circuit Breakers

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

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SENTRON Switching and Protection Devices – Air Circuit Breakers

Introduction

Overview



Size I



Size II



Size III

Air circuit breakers

3WL air circuit breakers/non-automatic air circuit breakers up to 6300 A (AC)				3WL non-automatic air circuit breakers up to 4000 A (DC)	
Size I, 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	Up to 690/1000 --		-- Up to 1000	
Rated ultimate short-circuit breaking capacity at 500 V AC	kA	Size I 55/66	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	20000	15000	10000	15000
Mounting position					
Degree of protection With cover Without cover (with door sealing frame)		IP55 IP41		IP55 IP41	
Dimensions 3-/4-pole					
	W mm	320/410	460/590	704/914	460/590
	H mm	434	434	434	434
	D mm	291	291	291	291
	H mm	465.5	465.5	465.5	465.5
	D mm	471	471	471	471



Type	ETU15B	ETU25B	ETU27B	ETU45B	ETU55B	ETU76B
Electronic trip units for SENTRON 3WL circuit breakers						
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 through PROFIBUS DP	--	--	--	□	□	□
Measurement function Plus	--	--	--	□	□	□
Selectable parameter sets	--	--	--	--	✓	✓
Parameters freely programmable	--	--	--	--	✓	✓
CubicleBUS	--	--	--	✓	✓	✓

✓ Standard
-- Not available
□ Optional

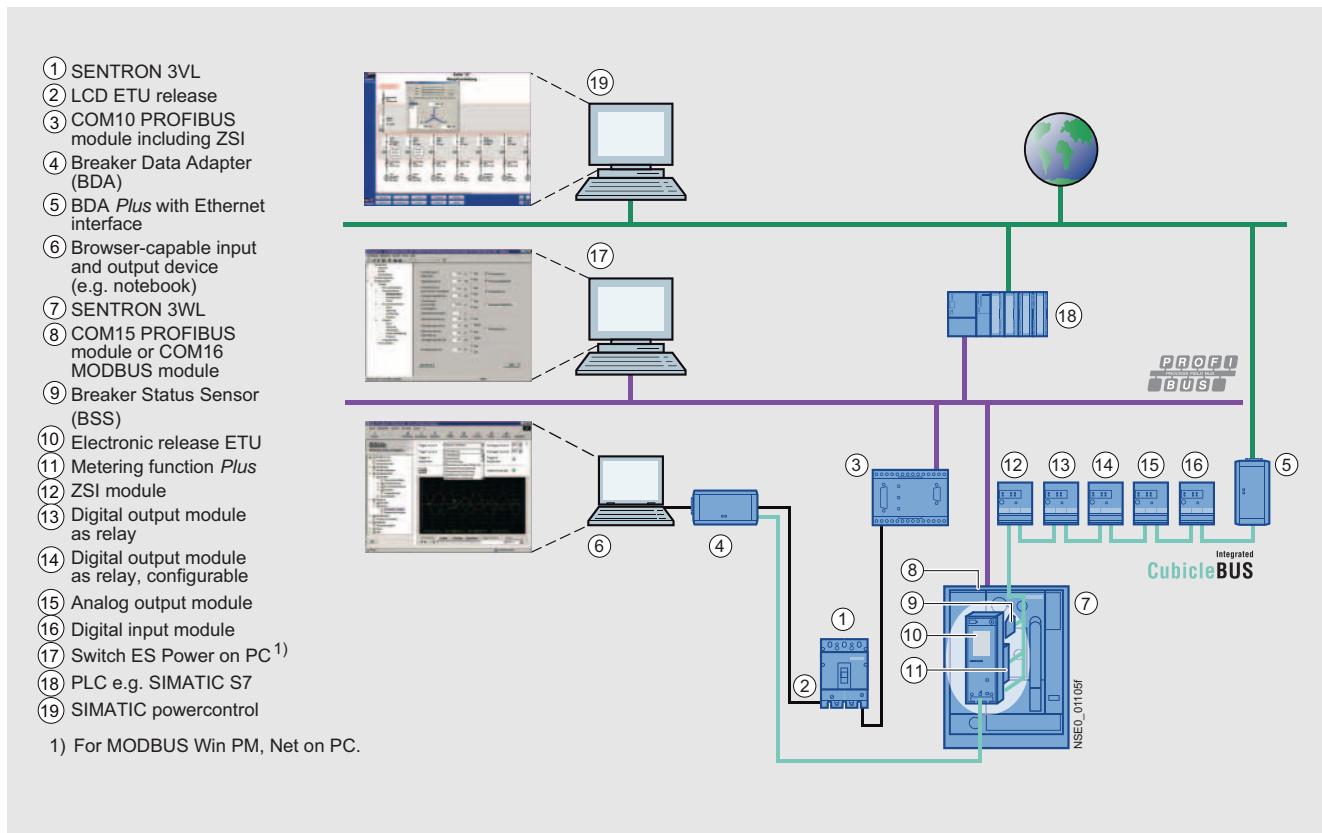
■ ECO switching capacity N
■ Standard switching capacity S
■ High switching capacity H
■ Very high switching capacity C
■ DC switching capacity

3WL air circuit breakers/non-automatic air circuit breakers according to UL 489 up to 5000 A, see Catalog LV 16.

SENTRON Switching and Protection Devices – Air Circuit Breakers

Introduction

Communication-capable circuit breakers



Features

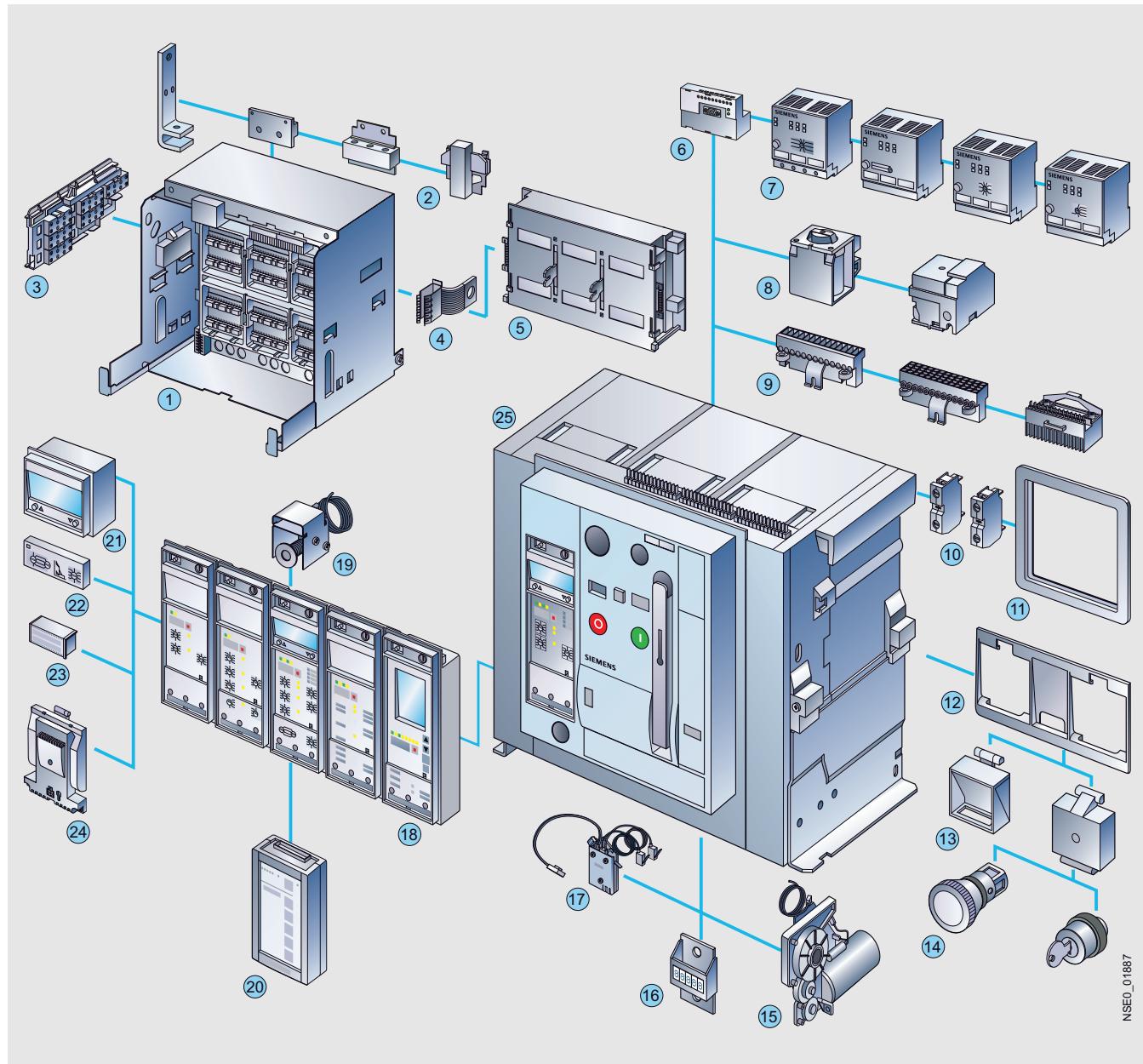
- Coordinated communication concept using the PROFIBUS DP or MODBUS, ranging from 16 A to 6300 A with SENTRON 3VL and SENTRON 3WL
- The high level of modularity of circuit breakers and accessories allows easy retrofitting of all communication components
- Significant additional benefits for the switchboard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

SENTRON Switching and Protection Devices – Air Circuit Breakers

Introduction

SENTRON 3WL:

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



- ① Guide frames (pages 15/29 and 15/30)
- ② Main circuit connection front, flange, horizontal, vertical (pages 15/42 and 15/43)
- ③ Position indicator switches (pages 15/25 and 15/35)
- ④ Grounding contact, leading (page 15/39)
- ⑤ Shutters (page 15/38)
- ⑥ COM15 PROFIBUS modules or COM16 MODBUS modules (page 15/41)
- ⑦ External **CubicleBUS** modules (page 15/40)
- ⑧ Closing solenoids, auxiliary trip units (page 15/37)
- ⑨ Auxiliary conductor plug-in systems (page 15/36)
- ⑩ Auxiliary switch blocks (page 15/37)
- ⑪ Door sealing frames (page 15/38)
- ⑫ Interlocking sets for base plate (page 15/33)
- ⑬ Transparent panels, function insert (page 15/32)

- ⑭ EMERGENCY-STOP pushbuttons, key operated (page 15/35)
- ⑮ Motorized operating mechanisms (page 15/37)
- ⑯ Operating cycles counters (page 15/35)
- ⑰ Breaker status sensors (BSS) (page 15/41)
- ⑱ Protective devices with device holder, electronic trip units (ETU) (page 15/31)
- ⑲ Remote reset solenoids (page 15/32)
- ⑳ Breaker data adapters (BDA) (page 15/40)
- ㉑ Four-line displays (page 15/31)
- ㉒ Ground-fault protection modules (page 15/31)
- ㉓ Rated current modules (page 15/31)
- ㉔ Measuring function modules (page 15/31)
- ㉕ Circuit breakers (pages 15/6 to 15/21)

Benefits

Low space requirements

The SENTRON 3WL devices require very little space. Size I devices (up to 1600 A) fit into a 400 mm wide switchgear panel. Size III devices (up to 6300 A) are the smallest of their kind and with their construction width of 704 mm fit into a 800 mm wide switchgear panel.

Modular design

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

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

Retrofittable modules for electronic trip units

Modularity is one of the main features of the new SENTRON 3WL circuit breakers.

Special LCDs, ground-fault modules, rated current modules and communications modules for the electronic trip units are available for fast and easy retrofitting and adaptation to changing requirements.

Communication

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

- 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 assigning energy to cost centers
- Preventive maintenance reduces the risk of expansive plant down-times

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

Due to the reinforced use of electronic control systems, the demands made on air circuit breakers in terms of operator control and monitoring of network processes have increased.

The extensive, coordinated SENTRON range of devices covers all applications between 16 A and 6300 A with compact 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.

Switching capacity

The circuit breakers with ECO switching capacity N (I_{cu} up to 55/66 kA at 500 V) are indicated in the selection and ordering data by green backgrounds.

The circuit breakers with standard switching capacity S (I_{cu} up to 66/80 kA at 500 V) are indicated in the selection and ordering data by blue backgrounds.

The circuit breakers with high switching capacity H (I_{cu} up to 100 kA at 500 V) are indicated in the selection and ordering data by orange backgrounds.

The circuit breakers with very high switching capacity C (I_{cu} up to 150 kA (3-pole)/130 kA (4-pole) at 500 V) are indicated in the selection and ordering data by dark-orange backgrounds.

The circuit breakers for direct current are indicated in the selection and ordering data by yellow backgrounds.

Standards

SENTRON 3WL circuit breakers comply with:

- IEC 60947-2
- DIN VDE 0660 Part 101
- Climate-proof to DIN IEC 68 Part 30-2

Versions with UL 489 also available, see Catalog LV 16.

For further standards, see Appendix.

3WL Air Circuit Breakers

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

3-pole, fixed-mounted versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 55/66 kA at 500 V, ECO switching capacity N		Order No. For Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			A	A						
Horizontal main circuit connection										
I	630	630	55	B	3WL11 06-2□□32-...		1	1 unit	103	43.000
I	800	800	55	B	3WL11 08-2□□32-...		1	1 unit	103	43.000
I	1000	1000	55	B	3WL11 10-2□□32-...		1	1 unit	103	43.000
I	1250	1250	55	B	3WL11 12-2□□32-...		1	1 unit	103	43.000
I	1600	1600	55	B	3WL11 16-2□□32-...		1	1 unit	103	43.000
II	800	800	66	B	3WL12 08-2□□32-...		1	1 unit	103	56.000
II	1000	1000	66	B	3WL12 10-2□□32-...		1	1 unit	103	56.000
II	1250	1250	66	B	3WL12 12-2□□32-...		1	1 unit	103	56.000
II	1600	1600	66	B	3WL12 16-2□□32-...		1	1 unit	103	56.000
II	2000	2000	66	B	3WL12 20-2□□32-...		1	1 unit	103	56.000
II	2500	2500	66	B	3WL12 25-2□□32-...		1	1 unit	103	59.000
II	3200	3200	66	B	3WL12 32-2□□32-...		1	1 unit	103	64.000
Vertical main circuit connection										
I	630	630	55	B	3WL11 06-2□□31-...		1	1 unit	103	43.000
I	800	800	55	B	3WL11 08-2□□31-...		1	1 unit	103	43.000
I	1000	1000	55	B	3WL11 10-2□□31-...		1	1 unit	103	43.000
I	1250	1250	55	B	3WL11 12-2□□31-...		1	1 unit	103	43.000
I	1600	1600	55	B	3WL11 16-2□□31-...		1	1 unit	103	43.000
II	800	800	66	B	3WL12 08-2□□31-...		1	1 unit	103	56.000
II	1000	1000	66	B	3WL12 10-2□□31-...		1	1 unit	103	56.000
II	1250	1250	66	B	3WL12 12-2□□31-...		1	1 unit	103	56.000
II	1600	1600	66	B	3WL12 16-2□□31-...		1	1 unit	103	56.000
II	2000	2000	66	B	3WL12 20-2□□31-...		1	1 unit	103	56.000
II	2500	2500	66	B	3WL12 25-2□□31-...		1	1 unit	103	59.000
II	3200	3200	66	B	3WL12 32-2□□31-...		1	1 unit	103	64.000
II	4000	4000	66	B	3WL12 40-2□□31-...		1	1 unit	103	85.000
Front main circuit connection, single hole										
I	630	630	55	B	3WL11 06-2□□33-...		1	1 unit	103	43.000
I	800	800	55	B	3WL11 08-2□□33-...		1	1 unit	103	43.000
I	1000	1000	55	B	3WL11 10-2□□33-...		1	1 unit	103	43.000
I	1250	1250	55	B	3WL11 12-2□□33-...		1	1 unit	103	43.000
I	1600	1600	55	B	3WL11 16-2□□33-...		1	1 unit	103	43.000
II	800	800	66	B	3WL12 08-2□□33-...		1	1 unit	103	56.000
II	1000	1000	66	B	3WL12 10-2□□33-...		1	1 unit	103	56.000
II	1250	1250	66	B	3WL12 12-2□□33-...		1	1 unit	103	56.000
II	1600	1600	66	B	3WL12 16-2□□33-...		1	1 unit	103	56.000
II	2000	2000	66	B	3WL12 20-2□□33-...		1	1 unit	103	56.000
II	2500	2500	66	B	3WL12 25-2□□33-...		1	1 unit	103	59.000
II	3200	3200	66	B	3WL12 32-2□□33-...		1	1 unit	103	64.000
Front main circuit connection, double hole										
I	630	630	55	B	3WL11 06-2□□34-...		1	1 unit	103	43.000
I	800	800	55	B	3WL11 08-2□□34-...		1	1 unit	103	43.000
I	1000	1000	55	B	3WL11 10-2□□34-...		1	1 unit	103	43.000
I	1250	1250	55	B	3WL11 12-2□□34-...		1	1 unit	103	43.000
I	1600	1600	55	B	3WL11 16-2□□34-...		1	1 unit	103	43.000
II	800	800	66	B	3WL12 08-2□□34-...		1	1 unit	103	56.000
II	1000	1000	66	B	3WL12 10-2□□34-...		1	1 unit	103	56.000
II	1250	1250	66	B	3WL12 12-2□□34-...		1	1 unit	103	56.000
II	1600	1600	66	B	3WL12 16-2□□34-...		1	1 unit	103	56.000
II	2000	2000	66	B	3WL12 20-2□□34-...		1	1 unit	103	56.000
II	2500	2500	66	B	3WL12 25-2□□34-...		1	1 unit	103	59.000
II	3200	3200	66	B	3WL12 32-2□□34-...		1	1 unit	103	64.000
Non-automatic air circuit breakers²⁾										
without electronic trip unit										
Order No. supplements AA										
Add. price without										
Electronic trip units										
Versions without ground-fault protection										
ETU15B: Protection functions L1										
ETU25B: Protection functions LSI										
ETU45B: Protection functions LSIN ³⁾										
ETU45B: Protection functions LSIN ³⁾ with 4-line display										
ETU55B: Protection functions LSIN ³⁾										
ETU76B: Protection functions LSIN ³⁾ with pixel 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										
ETU55B: Protection functions LSING ³⁾ ⁵⁾										
ETU76B: Protection functions LSING ³⁾ ⁵⁾ with pixel graphics display										
Standard Order No. supplements (for further Order No. supplements, see page 15/22)										
Manual operating mechanism with mechanical closing										
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO										
1AA2 without										
x = additional price										
For footnotes see page 15/9.										

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 66/80 kA at 500 V, standard switching capacity S				PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			A	A	kA	DT				
Horizontal main circuit connection										
I	630	630		66	B	3WL11 06-3□□32....		1	1 unit	103 43.000
I	800	800		66	B	3WL11 08-3□□32....		1	1 unit	103 43.000
I	1000	1000		66	B	3WL11 10-3□□32....		1	1 unit	103 43.000
I	1250	1250		66	B	3WL11 12-3□□32....		1	1 unit	103 43.000
I	1600	1600		66	B	3WL11 16-3□□32....		1	1 unit	103 43.000
II	800	800		80	B	3WL12 08-3□□32....		1	1 unit	103 56.000
II	1000	1000		80	B	3WL12 10-3□□32....		1	1 unit	103 56.000
II	1250	1250		80	B	3WL12 12-3□□32....		1	1 unit	103 56.000
II	1600	1600		80	B	3WL12 16-3□□32....		1	1 unit	103 56.000
II	2000	2000		80	B	3WL12 20-3□□32....		1	1 unit	103 56.000
II	2500	2500		80	B	3WL12 25-3□□32....		1	1 unit	103 59.000
II	3200	3200		80	B	3WL12 32-3□□32....		1	1 unit	103 64.000
Vertical main circuit connection										
I	630	630		66	B	3WL11 06-3□□31....		1	1 unit	103 43.000
I	800	800		66	B	3WL11 08-3□□31....		1	1 unit	103 43.000
I	1000	1000		66	B	3WL11 10-3□□31....		1	1 unit	103 43.000
I	1250	1250		66	B	3WL11 12-3□□31....		1	1 unit	103 43.000
I	1600	1600		66	B	3WL11 16-3□□31....		1	1 unit	103 43.000
II	800	800		80	B	3WL12 08-3□□31....		1	1 unit	103 56.000
II	1000	1000		80	B	3WL12 10-3□□31....		1	1 unit	103 56.000
II	1250	1250		80	B	3WL12 12-3□□31....		1	1 unit	103 56.000
II	1600	1600		80	B	3WL12 16-3□□31....		1	1 unit	103 56.000
II	2000	2000		80	B	3WL12 20-3□□31....		1	1 unit	103 56.000
II	2500	2500		80	B	3WL12 25-3□□31....		1	1 unit	103 59.000
II	3200	3200		80	B	3WL12 32-3□□31....		1	1 unit	103 64.000
II	4000	4000		80	B	3WL12 40-3□□31....		1	1 unit	103 85.000
Front main circuit connection, single hole										
I	630	630		66	B	3WL11 06-3□□33....		1	1 unit	103 43.000
I	800	800		66	B	3WL11 08-3□□33....		1	1 unit	103 43.000
I	1000	1000		66	B	3WL11 10-3□□33....		1	1 unit	103 43.000
I	1250	1250		66	B	3WL11 12-3□□33....		1	1 unit	103 43.000
I	1600	1600		66	B	3WL11 16-3□□33....		1	1 unit	103 43.000
II	800	800		80	B	3WL12 08-3□□33....		1	1 unit	103 56.000
II	1000	1000		80	B	3WL12 10-3□□33....		1	1 unit	103 56.000
II	1250	1250		80	B	3WL12 12-3□□33....		1	1 unit	103 56.000
II	1600	1600		80	B	3WL12 16-3□□33....		1	1 unit	103 56.000
II	2000	2000		80	B	3WL12 20-3□□33....		1	1 unit	103 56.000
II	2500	2500		80	B	3WL12 25-3□□33....		1	1 unit	103 59.000
II	3200	3200		80	B	3WL12 32-3□□33....		1	1 unit	103 64.000
Front main circuit connection, double hole										
I	630	630		66	B	3WL11 06-3□□34....		1	1 unit	103 43.000
I	800	800		66	B	3WL11 08-3□□34....		1	1 unit	103 43.000
I	1000	1000		66	B	3WL11 10-3□□34....		1	1 unit	103 43.000
I	1250	1250		66	B	3WL11 12-3□□34....		1	1 unit	103 43.000
I	1600	1600		66	B	3WL11 16-3□□34....		1	1 unit	103 43.000
II	800	800		80	B	3WL12 08-3□□34....		1	1 unit	103 56.000
II	1000	1000		80	B	3WL12 10-3□□34....		1	1 unit	103 56.000
II	1250	1250		80	B	3WL12 12-3□□34....		1	1 unit	103 56.000
II	1600	1600		80	B	3WL12 16-3□□34....		1	1 unit	103 56.000
II	2000	2000		80	B	3WL12 20-3□□34....		1	1 unit	103 56.000
II	2500	2500		80	B	3WL12 25-3□□34....		1	1 unit	103 59.000
II	3200	3200		80	B	3WL12 32-3□□34....		1	1 unit	103 64.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit										
Order No. supplements										
AA										
Add. price without										
BB										
CB										
EB										
FB										
JB										
NB										
DG										
EG										
FG										
JG										
NG										
x										
without										
1AA2										

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 100 kA at 500 V, high switching capacity H		Order No. Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	A	A	kA	DT						kg
Horizontal main circuit connection										
II	800	800	100	B	3WL12 08-4□□32-....		1	1 unit	103	56.000
II	1000	1000	100	B	3WL12 10-4□□32-....		1	1 unit	103	56.000
II	1250	1250	100	B	3WL12 12-4□□32-....		1	1 unit	103	56.000
II	1600	1600	100	B	3WL12 16-4□□32-....		1	1 unit	103	56.000
II	2000	2000	100	B	3WL12 20-4□□32-....		1	1 unit	103	56.000
II	2500	2500	100	B	3WL12 25-4□□32-....		1	1 unit	103	59.000
II	3200	3200	100	B	3WL12 32-4□□32-....		1	1 unit	103	64.000
III	4000	4000	100	B	3WL13 40-4□□32-....		1	1 unit	103	82.000
III	5000	5000	100	B	3WL13 50-4□□32-....		1	1 unit	103	82.000
Vertical main circuit connection										
II	800	800	100	B	3WL12 08-4□□31-....		1	1 unit	103	56.000
II	1000	1000	100	B	3WL12 10-4□□31-....		1	1 unit	103	56.000
II	1250	1250	100	B	3WL12 12-4□□31-....		1	1 unit	103	56.000
II	1600	1600	100	B	3WL12 16-4□□31-....		1	1 unit	103	56.000
II	2000	2000	100	B	3WL12 20-4□□31-....		1	1 unit	103	56.000
II	2500	2500	100	B	3WL12 25-4□□31-....		1	1 unit	103	59.000
II	3200	3200	100	B	3WL12 32-4□□31-....		1	1 unit	103	64.000
II	4000	4000	100	B	3WL12 40-4□□31-....		1	1 unit	103	85.000
III	4000	4000	100	B	3WL13 40-4□□31-....		1	1 unit	103	82.000
III	5000	5000	100	B	3WL13 50-4□□31-....		1	1 unit	103	82.000
III	6300	6300	100	B	3WL13 63-4□□31-....		1	1 unit	103	82.000
Front main circuit connection, single hole										
II	800	800	100	B	3WL12 08-4□□33-....		1	1 unit	103	56.000
II	1000	1000	100	B	3WL12 10-4□□33-....		1	1 unit	103	56.000
II	1250	1250	100	B	3WL12 12-4□□33-....		1	1 unit	103	56.000
II	1600	1600	100	B	3WL12 16-4□□33-....		1	1 unit	103	56.000
II	2000	2000	100	B	3WL12 20-4□□33-....		1	1 unit	103	56.000
II	2500	2500	100	B	3WL12 25-4□□33-....		1	1 unit	103	59.000
II	3200	3200	100	B	3WL12 32-4□□33-....		1	1 unit	103	64.000
III	4000	4000	100	B	3WL13 40-4□□33-....		1	1 unit	103	82.000
Front main circuit connection, double hole										
II	800	800	100	B	3WL12 08-4□□34-....		1	1 unit	103	56.000
II	1000	1000	100	B	3WL12 10-4□□34-....		1	1 unit	103	56.000
II	1250	1250	100	B	3WL12 12-4□□34-....		1	1 unit	103	56.000
II	1600	1600	100	B	3WL12 16-4□□34-....		1	1 unit	103	56.000
II	2000	2000	100	B	3WL12 20-4□□34-....		1	1 unit	103	56.000
II	2500	2500	100	B	3WL12 25-4□□34-....		1	1 unit	103	59.000
II	3200	3200	100	B	3WL12 32-4□□34-....		1	1 unit	103	64.000
III	4000	4000	100	B	3WL13 40-4□□34-....		1	1 unit	103	82.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit							Order No. supplements		Add. price without	
							AA		BB	x
							CB		CB	x
							EB		EB	x
							FB		FB	x
							JB		JB	x
							NB		NB	x
							DG		DG	x
							EG		EG	x
							FG		FG	x
							JG		JG	x
							NG		NG	x
Standard Order No. supplements (for further Order No. supplements, see page 15/22)										
Manual operating mechanism with mechanical closing Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO							1AA2	without		

x = additional price

For footnotes see page 15/9.

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 150 kA at 500 V, very high switching capacity C		Order No. Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	A	A	KA	DT						kg
Horizontal main circuit connection										
III	4000	4000	150	B	3WL13 40-5□□32-....			1	1 unit	103 82.000
III	5000	5000	150	B	3WL13 50-5□□32-....			1	1 unit	103 82.000
Vertical main circuit connection										
III	4000	4000	150	B	3WL13 40-5□□31-....			1	1 unit	103 82.000
III	5000	5000	150	B	3WL13 50-5□□31-....			1	1 unit	103 82.000
III	6300	6300	150	B	3WL13 63-5□□31-....			1	1 unit	103 90.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit							Order No. supplements AA	Add. price without		
Electronic trip units							BB	x		
ETU15B: Protection functions LI							CB	x		
ETU25B: Protection functions LSI							EB	x		
ETU45B: Protection functions LSIN ³⁾							FB	x		
ETU45B: Protection functions LSIN ³⁾ with 4-line display							JB	x		
ETU55B: Protection functions LSIN ³⁾							NB	x		
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display							DG	x		
ETU27B: Protection functions LSING ⁴⁾							EG	x		
ETU45B: Protection functions LSING ⁴⁾ ⁵⁾							FG	x		
ETU45B: Protection functions LSING ⁴⁾ ⁵⁾ with 4-line display							JG	x		
ETU55B: Protection functions LSING ⁴⁾ ⁵⁾							NG	x		

Standard Order No. supplements (for further Order No. supplements, see page 15/22)

Manual operating mechanism with mechanical closing
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO

x = additional price

Footnotes for pages 15/6 to 15/9:

- 1) The rated current is determined by the rated current module. 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 15/23.
- 2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see Technical Information LV 1T, "Technical specifications".

- 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 15/31.
- 4) Current transformers for protection of the N conductor are to be ordered separately, see page 15/31.
- 5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 15/31.

1AA2

without

3WL Air Circuit Breakers

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

3-pole, withdrawable versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 55/66 kA at 500 V, ECO switching capacity N		Order No. For Order No. supplements, see page 15/22	Basic price per PPU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A	kA	DT							kg
Without guide frames (for guide frames, see page 15/29 and 15/30)										
I	630	630	55	B	3WL11 06-2□□35-....			1	1 unit	103 45.000
I	800	800	55	B	3WL11 08-2□□35-....			1	1 unit	103 45.000
I	1000	1000	55	B	3WL11 10-2□□35-....			1	1 unit	103 45.000
I	1250	1250	55	B	3WL11 12-2□□35-....			1	1 unit	103 45.000
I	1600	1600	55	B	3WL11 16-2□□35-....			1	1 unit	103 45.000
II	800	800	66	B	3WL12 08-2□□35-....			1	1 unit	103 60.000
II	1000	1000	66	B	3WL12 10-2□□35-....			1	1 unit	103 60.000
II	1250	1250	66	B	3WL12 12-2□□35-....			1	1 unit	103 60.000
II	1600	1600	66	B	3WL12 16-2□□35-....			1	1 unit	103 60.000
II	2000	2000	66	B	3WL12 20-2□□35-....			1	1 unit	103 60.000
II	2500	2500	66	B	3WL12 25-2□□35-....			1	1 unit	103 63.000
II	3200	3200	66	B	3WL12 32-2□□35-....			1	1 unit	103 68.000
With guide frames, horizontal main circuit connection										
I	630	630	55	B	3WL11 06-2□□36-....			1	1 unit	103 70.000
I	800	800	55	B	3WL11 08-2□□36-....			1	1 unit	103 70.000
I	1000	1000	55	B	3WL11 10-2□□36-....			1	1 unit	103 70.000
I	1250	1250	55	B	3WL11 12-2□□36-....			1	1 unit	103 70.000
I	1600	1600	55	B	3WL11 16-2□□36-....			1	1 unit	103 70.000
II	800	800	66	B	3WL12 08-2□□36-....			1	1 unit	103 91.000
II	1000	1000	66	B	3WL12 10-2□□36-....			1	1 unit	103 91.000
II	1250	1250	66	B	3WL12 12-2□□36-....			1	1 unit	103 91.000
II	1600	1600	66	B	3WL12 16-2□□36-....			1	1 unit	103 91.000
II	2000	2000	66	B	3WL12 20-2□□36-....			1	1 unit	103 91.000
II	2500	2500	66	B	3WL12 25-2□□36-....			1	1 unit	103 102.000
II	3200	3200	66	B	3WL12 32-2□□36-....			1	1 unit	103 113.000
With guide frames, vertical main circuit connection										
I	630	630	55	B	3WL11 06-2□□37-....			1	1 unit	103 70.000
I	800	800	55	B	3WL11 08-2□□37-....			1	1 unit	103 70.000
I	1000	1000	55	B	3WL11 10-2□□37-....			1	1 unit	103 70.000
I	1250	1250	55	B	3WL11 12-2□□37-....			1	1 unit	103 70.000
I	1600	1600	55	B	3WL11 16-2□□37-....			1	1 unit	103 70.000
II	800	800	66	B	3WL12 08-2□□37-....			1	1 unit	103 91.000
II	1000	1000	66	B	3WL12 10-2□□37-....			1	1 unit	103 91.000
II	1250	1250	66	B	3WL12 12-2□□37-....			1	1 unit	103 91.000
II	1600	1600	66	B	3WL12 16-2□□37-....			1	1 unit	103 91.000
II	2000	2000	66	B	3WL12 20-2□□37-....			1	1 unit	103 91.000
II	2500	2500	66	B	3WL12 25-2□□37-....			1	1 unit	103 102.000
II	3200	3200	66	B	3WL12 32-2□□37-....			1	1 unit	103 113.000
II	4000	4000	66	B	3WL12 40-2□□37-....			1	1 unit	103 121.000
With guide frames, connecting flanges										
I	630	630	55	B	3WL11 06-2□□38-....			1	1 unit	103 70.000
I	800	800	55	B	3WL11 08-2□□38-....			1	1 unit	103 70.000
I	1000	1000	55	B	3WL11 10-2□□38-....			1	1 unit	103 70.000
I	1250	1250	55	B	3WL11 12-2□□38-....			1	1 unit	103 70.000
I	1600	1600	55	B	3WL11 16-2□□38-....			1	1 unit	103 70.000
II	800	800	66	B	3WL12 08-2□□38-....			1	1 unit	103 91.000
II	1000	1000	66	B	3WL12 10-2□□38-....			1	1 unit	103 91.000
II	1250	1250	66	B	3WL12 12-2□□38-....			1	1 unit	103 91.000
II	1600	1600	66	B	3WL12 16-2□□38-....			1	1 unit	103 91.000
II	2000	2000	66	B	3WL12 20-2□□38-....			1	1 unit	103 91.000
II	2500	2500	66	B	3WL12 25-2□□38-....			1	1 unit	103 102.000
II	3200	3200	66	B	3WL12 32-2□□38-....			1	1 unit	103 113.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit										
					Order No. supplements AA	Add. price without				
Electronic trip units										
Versions without ground-fault protection										
ETU15B: Protection functions L1										
ETU25B: Protection functions LSI										
ETU45B: Protection functions LSIN ³⁾										
ETU45B: Protection functions LSIN ³⁾ with 4-line display										
ETU55B: Protection functions LSIN ³⁾										
ETU76B: Protection functions LSIN ³⁾ with pixel 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										
ETU55B: Protection functions LSING ³⁾⁽⁵⁾										
ETU76B: Protection functions LSING ³⁾⁽⁵⁾ with pixel graphics display										
Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)										
Manual operating mechanism with mechanical closing										
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO										
1AA2 without										
For footnotes see page 15/13.										

3WL Air Circuit Breakers

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

3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 66/80 kA at 500 V, standard switching capacity S		Order No. For Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			A	A						
Without guide frames (for guide frames, see page 15/29 and 15/30)										
I	630	630	66	B	3WL11 06-3□□35-....		1	1 unit	103	45.000
I	800	800	66	B	3WL11 08-3□□35-....		1	1 unit	103	45.000
I	1000	1000	66	B	3WL11 10-3□□35-....		1	1 unit	103	45.000
I	1250	1250	66	B	3WL11 12-3□□35-....		1	1 unit	103	45.000
I	1600	1600	66	B	3WL11 16-3□□35-....		1	1 unit	103	45.000
II	800	800	80	B	3WL12 08-3□□35-....		1	1 unit	103	60.000
II	1000	1000	80	B	3WL12 10-3□□35-....		1	1 unit	103	60.000
II	1250	1250	80	B	3WL12 12-3□□35-....		1	1 unit	103	60.000
II	1600	1600	80	B	3WL12 16-3□□35-....		1	1 unit	103	60.000
II	2000	2000	80	B	3WL12 20-3□□35-....		1	1 unit	103	60.000
II	2500	2500	80	B	3WL12 25-3□□35-....		1	1 unit	103	63.000
II	3200	3200	80	B	3WL12 32-3□□35-....		1	1 unit	103	68.000
With guide frames, horizontal main circuit connection										
I	630	630	66	B	3WL11 06-3□□36-....		1	1 unit	103	70.000
I	800	800	66	B	3WL11 08-3□□36-....		1	1 unit	103	70.000
I	1000	1000	66	B	3WL11 10-3□□36-....		1	1 unit	103	70.000
I	1250	1250	66	B	3WL11 12-3□□36-....		1	1 unit	103	70.000
I	1600	1600	66	B	3WL11 16-3□□36-....		1	1 unit	103	70.000
II	800	800	80	B	3WL12 08-3□□36-....		1	1 unit	103	91.000
II	1000	1000	80	B	3WL12 10-3□□36-....		1	1 unit	103	91.000
II	1250	1250	80	B	3WL12 12-3□□36-....		1	1 unit	103	91.000
II	1600	1600	80	B	3WL12 16-3□□36-....		1	1 unit	103	91.000
II	2000	2000	80	B	3WL12 20-3□□36-....		1	1 unit	103	91.000
II	2500	2500	80	B	3WL12 25-3□□36-....		1	1 unit	103	102.000
II	3200	3200	80	B	3WL12 32-3□□36-....		1	1 unit	103	113.000
With guide frames, vertical main circuit connection										
I	630	630	66	B	3WL11 06-3□□37-....		1	1 unit	103	70.000
I	800	800	66	B	3WL11 08-3□□37-....		1	1 unit	103	70.000
I	1000	1000	66	B	3WL11 10-3□□37-....		1	1 unit	103	70.000
I	1250	1250	66	B	3WL11 12-3□□37-....		1	1 unit	103	70.000
I	1600	1600	66	B	3WL11 16-3□□37-....		1	1 unit	103	70.000
II	800	800	80	B	3WL12 08-3□□37-....		1	1 unit	103	91.000
II	1000	1000	80	B	3WL12 10-3□□37-....		1	1 unit	103	91.000
II	1250	1250	80	B	3WL12 12-3□□37-....		1	1 unit	103	91.000
II	1600	1600	80	B	3WL12 16-3□□37-....		1	1 unit	103	91.000
II	2000	2000	80	B	3WL12 20-3□□37-....		1	1 unit	103	91.000
II	2500	2500	80	B	3WL12 25-3□□37-....		1	1 unit	103	102.000
II	3200	3200	80	B	3WL12 32-3□□37-....		1	1 unit	103	113.000
II	4000	4000	80	B	3WL12 40-3□□37-....		1	1 unit	103	121.000
With guide frames, connecting flanges										
I	630	630	66	B	3WL11 06-3□□38-....		1	1 unit	103	70.000
I	800	800	66	B	3WL11 08-3□□38-....		1	1 unit	103	70.000
I	1000	1000	66	B	3WL11 10-3□□38-....		1	1 unit	103	70.000
I	1250	1250	66	B	3WL11 12-3□□38-....		1	1 unit	103	70.000
I	1600	1600	66	B	3WL11 16-3□□38-....		1	1 unit	103	70.000
II	800	800	80	B	3WL12 08-3□□38-....		1	1 unit	103	91.000
II	1000	1000	80	B	3WL12 10-3□□38-....		1	1 unit	103	91.000
II	1250	1250	80	B	3WL12 12-3□□38-....		1	1 unit	103	91.000
II	1600	1600	80	B	3WL12 16-3□□38-....		1	1 unit	103	91.000
II	2000	2000	80	B	3WL12 20-3□□38-....		1	1 unit	103	91.000
II	2500	2500	80	B	3WL12 25-3□□38-....		1	1 unit	103	102.000
II	3200	3200	80	B	3WL12 32-3□□38-....		1	1 unit	103	113.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit										
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										
ETU55B: Protection functions LSIN ⁽³⁾										
ETU76B: Protection functions LSIN ⁽³⁾ with pixel graphics display										
Versions with ground-fault protection										
ETU27B: Protection functions LSING ⁽⁴⁾										
ETU45B: Protection functions LSING ⁽⁴⁾										
ETU45B: Protection functions LSING ⁽³⁾⁵⁾ with 4-line display										
ETU55B: Protection functions LSING ⁽³⁾⁵⁾										
ETU76B: Protection functions LSING ⁽³⁾⁵⁾ with pixel graphics display										
Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)										
Manual operating mechanism with mechanical closing										
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO										
1AA2										
without										

x = additional price

For footnotes see page 15/13.

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 100 kA at 500 V, high switching capacity H		Order No. Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	A	A	kA	DT						kg
Without guide frames (for guide frames, see page 15/29 and 15/30)										
II	800	800	100	B	3WL12 08-4□□35-....		1	1 unit	103	60.000
II	1000	1000	100	B	3WL12 10-4□□35-....		1	1 unit	103	60.000
II	1250	1250	100	B	3WL12 12-4□□35-....		1	1 unit	103	60.000
II	1600	1600	100	B	3WL12 16-4□□35-....		1	1 unit	103	60.000
II	2000	2000	100	B	3WL12 20-4□□35-....		1	1 unit	103	60.000
II	2500	2500	100	B	3WL12 25-4□□35-....		1	1 unit	103	63.000
II	3200	3200	100	B	3WL12 32-4□□35-....		1	1 unit	103	68.000
III	4000	4000	100	B	3WL13 40-4□□35-....		1	1 unit	103	88.000
III	5000	5000	100	B	3WL13 50-4□□35-....		1	1 unit	103	88.000
III	6300	6300	100	B	3WL13 63-4□□35-....		1	1 unit	103	96.000
With guide frames, horizontal main circuit connection										
II	800	800	100	B	3WL12 08-4□□36-....		1	1 unit	103	91.000
II	1000	1000	100	B	3WL12 10-4□□36-....		1	1 unit	103	91.000
II	1250	1250	100	B	3WL12 12-4□□36-....		1	1 unit	103	91.000
II	1600	1600	100	B	3WL12 16-4□□36-....		1	1 unit	103	91.000
II	2000	2000	100	B	3WL12 20-4□□36-....		1	1 unit	103	91.000
II	2500	2500	100	B	3WL12 25-4□□36-....		1	1 unit	103	102.000
II	3200	3200	100	B	3WL12 32-4□□36-....		1	1 unit	103	113.000
III	4000	4000	100	B	3WL13 40-4□□36-....		1	1 unit	103	148.000
III	5000	5000	100	B	3WL13 50-4□□36-....		1	1 unit	103	148.000
With guide frames, vertical main circuit connection										
II	800	800	100	B	3WL12 08-4□□37-....		1	1 unit	103	91.000
II	1000	1000	100	B	3WL12 10-4□□37-....		1	1 unit	103	91.000
II	1250	1250	100	B	3WL12 12-4□□37-....		1	1 unit	103	91.000
II	1600	1600	100	B	3WL12 16-4□□37-....		1	1 unit	103	91.000
II	2000	2000	100	B	3WL12 20-4□□37-....		1	1 unit	103	91.000
II	2500	2500	100	B	3WL12 25-4□□37-....		1	1 unit	103	102.000
II	3200	3200	100	B	3WL12 32-4□□37-....		1	1 unit	103	113.000
II	4000	4000	100	B	3WL12 40-4□□37-....		1	1 unit	103	121.000
III	4000	4000	100	B	3WL13 40-4□□37-....		1	1 unit	103	148.000
III	5000	5000	100	B	3WL13 50-4□□37-....		1	1 unit	103	148.000
III	6300	6300	100	B	3WL13 63-4□□37-....		1	1 unit	103	166.000
With guide frames, connecting flanges										
II	800	800	100	B	3WL12 08-4□□38-....		1	1 unit	103	91.000
II	1000	1000	100	B	3WL12 10-4□□38-....		1	1 unit	103	91.000
II	1250	1250	100	B	3WL12 12-4□□38-....		1	1 unit	103	91.000
II	1600	1600	100	B	3WL12 16-4□□38-....		1	1 unit	103	91.000
II	2000	2000	100	B	3WL12 20-4□□38-....		1	1 unit	103	91.000
II	2500	2500	100	B	3WL12 25-4□□38-....		1	1 unit	103	102.000
II	3200	3200	100	B	3WL12 32-4□□38-....		1	1 unit	103	113.000
II	4000	4000	100	B	3WL13 40-4□□38-....		1	1 unit	103	148.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit										
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										
ETU55B: Protection functions LSIN ³⁾										
ETU76B: Protection functions LSIN ³⁾ with pixel 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										
ETU55B: Protection functions LSING ³⁾⁽⁵⁾										
ETU76B: Protection functions LSING ³⁾⁽⁵⁾ with pixel graphics display										
Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)										
Manual operating mechanism with mechanical closing										
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO										
AA										
without										
x = additional price										
For footnotes see page 15/13.										

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

3-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 150 kA at 500 V, very high switching capacity C		Order No. Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A		kA	DT						kg
Without guide frames (for guide frames, see page 15/29 and 15/30)										
III	4000	4000	150	B	3WL13 40-5□□35-....		1	1 unit	103	88.000
III	5000	5000	150	B	3WL13 50-5□□35-....		1	1 unit	103	88.000
III	6300	6300	150	B	3WL13 63-5□□35-....		1	1 unit	103	96.000
With guide frames, horizontal main circuit connection										
III	4000	4000	150	B	3WL13 40-5□□36-....		1	1 unit	103	148.000
III	5000	5000	150	B	3WL13 50-5□□36-....		1	1 unit	103	148.000
With guide frames, vertical main circuit connection										
III	4000	4000	150	B	3WL13 40-5□□37-....		1	1 unit	103	148.000
III	5000	5000	150	B	3WL13 50-5□□37-....		1	1 unit	103	148.000
III	6300	6300	150	B	3WL13 63-5□□37-....		1	1 unit	103	166.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit										
Electronic trip units										
Versions without ground-fault protection										
ETU15B: Protection functions L1										
ETU25B: Protection functions LSI										
ETU45B: Protection functions LSIN ³⁾										
ETU45B: Protection functions LSIN ³⁾ with 4-line display										
ETU55B: Protection functions LSIN ³⁾										
ETU76B: Protection functions LSIN ³⁾ with pixel 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										
ETU55B: Protection functions LSING ³⁾⁽⁵⁾										
ETU76B: Protection functions LSING ³⁾⁽⁵⁾ with pixel graphics display										

Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)

Manual operating mechanism with mechanical closing
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO

1AA2

without

x = additional price

Footnotes for pages 15/10 to 15/13:

1) The rated current is determined by the rated current module. 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 15/23.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see Technical Information LV 1T, "Technical specifications".

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 15/31.

4) Current transformers for protection of the N conductor are to be ordered separately, see page 15/31.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 15/31.

3WL Air Circuit Breakers

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

4-pole, fixed-mounted versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 55/66 kA at 500 V, ECO switching capacity N		Order No. Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			A	A						
Horizontal main circuit connection										
I	630	630	55	B	3WL11 06-2□□42-....		1	1 unit	103	50.000
I	800	800	55	B	3WL11 08-2□□42-....		1	1 unit	103	50.000
I	1000	1000	55	B	3WL11 10-2□□42-....		1	1 unit	103	50.000
I	1250	1250	55	B	3WL11 12-2□□42-....		1	1 unit	103	50.000
I	1600	1600	55	B	3WL11 16-2□□42-....		1	1 unit	103	50.000
II	800	800	66	B	3WL12 08-2□□42-....		1	1 unit	103	67.000
II	1000	1000	66	B	3WL12 10-2□□42-....		1	1 unit	103	67.000
II	1250	1250	66	B	3WL12 12-2□□42-....		1	1 unit	103	67.000
II	1600	1600	66	B	3WL12 16-2□□42-....		1	1 unit	103	67.000
II	2000	2000	66	B	3WL12 20-2□□42-....		1	1 unit	103	67.000
II	2500	2500	66	B	3WL12 25-2□□42-....		1	1 unit	103	71.000
II	3200	3200	66	B	3WL12 32-2□□42-....		1	1 unit	103	77.000
Vertical main circuit connection										
I	630	630	55	B	3WL11 06-2□□41-....		1	1 unit	103	50.000
I	800	800	55	B	3WL11 08-2□□41-....		1	1 unit	103	50.000
I	1000	1000	55	B	3WL11 10-2□□41-....		1	1 unit	103	50.000
I	1250	1250	55	B	3WL11 12-2□□41-....		1	1 unit	103	50.000
I	1600	1600	55	B	3WL11 16-2□□41-....		1	1 unit	103	50.000
II	800	800	66	B	3WL12 08-2□□41-....		1	1 unit	103	75.000
II	1000	1000	66	B	3WL12 10-2□□41-....		1	1 unit	103	75.000
II	1250	1250	66	B	3WL12 12-2□□41-....		1	1 unit	103	75.000
II	1600	1600	66	B	3WL12 16-2□□41-....		1	1 unit	103	75.000
II	2000	2000	66	B	3WL12 20-2□□41-....		1	1 unit	103	75.000
II	2500	2500	66	B	3WL12 25-2□□41-....		1	1 unit	103	71.000
II	3200	3200	66	B	3WL12 32-2□□41-....		1	1 unit	103	77.000
II	4000	4000	66	B	3WL12 40-2□□41-....		1	1 unit	103	103.000
Front main circuit connection, single hole										
I	630	630	55	B	3WL11 06-2□□43-....		1	1 unit	103	50.000
I	800	800	55	B	3WL11 08-2□□43-....		1	1 unit	103	50.000
I	1000	1000	55	B	3WL11 10-2□□43-....		1	1 unit	103	50.000
I	1250	1250	55	B	3WL11 12-2□□43-....		1	1 unit	103	50.000
I	1600	1600	55	B	3WL11 16-2□□43-....		1	1 unit	103	50.000
II	800	800	66	B	3WL12 08-2□□43-....		1	1 unit	103	67.000
II	1000	1000	66	B	3WL12 10-2□□43-....		1	1 unit	103	67.000
II	1250	1250	66	B	3WL12 12-2□□43-....		1	1 unit	103	67.000
II	1600	1600	66	B	3WL12 16-2□□43-....		1	1 unit	103	67.000
II	2000	2000	66	B	3WL12 20-2□□43-....		1	1 unit	103	67.000
II	2500	2500	66	B	3WL12 25-2□□43-....		1	1 unit	103	71.000
II	3200	3200	66	B	3WL12 32-2□□43-....		1	1 unit	103	77.000
Front main circuit connection, double hole										
I	630	630	55	B	3WL11 06-2□□44-....		1	1 unit	103	50.000
I	800	800	55	B	3WL11 08-2□□44-....		1	1 unit	103	50.000
I	1000	1000	55	B	3WL11 10-2□□44-....		1	1 unit	103	50.000
I	1250	1250	55	B	3WL11 12-2□□44-....		1	1 unit	103	50.000
I	1600	1600	55	B	3WL11 16-2□□44-....		1	1 unit	103	50.000
II	800	800	66	B	3WL12 08-2□□44-....		1	1 unit	103	67.000
II	1000	1000	66	B	3WL12 10-2□□44-....		1	1 unit	103	67.000
II	1250	1250	66	B	3WL12 12-2□□44-....		1	1 unit	103	67.000
II	1600	1600	66	B	3WL12 16-2□□44-....		1	1 unit	103	67.000
II	2000	2000	66	B	3WL12 20-2□□44-....		1	1 unit	103	67.000
II	2500	2500	66	B	3WL12 25-2□□44-....		1	1 unit	103	71.000
II	3200	3200	66	B	3WL12 32-2□□44-....		1	1 unit	103	77.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit										
Order No. supplements										
AA										
Add. price										
without										
Electronic trip units										
Versions without ground-fault protection										
ETU15B: Protection functions LL										
ETU25B: Protection functions LSI										
ETU45B: Protection functions LSIN ³⁾										
ETU45B: Protection functions LSIN ³⁾ with 4-line display										
ETU55B: Protection functions LSIN ³⁾										
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display										
Versions with ground-fault protection										
ETU27B: Protection functions LSING ⁴⁾										
ETU45B: Protection functions LSING ⁴⁾ with 4-line display										
ETU55B: Protection functions LSING ⁴⁾ with pixel graphics display										
ETU76B: Protection functions LSING ⁴⁾ with pixel graphics display										
Standard Order No. supplements (for further Order No. supplements, see page 15/22)										
Manual operating mechanism with mechanical closing										
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO										
1AA2										
without										
x = additional price										
For footnotes see page 15/17.										

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 66/80 kA at 500 V, standard switching capacity S		Order No. Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			A	A						
Horizontal main circuit connection										
I	630	630	66	B	3WL11 06-3□□42-....			1	1 unit	103
I	800	800	66	B	3WL11 08-3□□42-....			1	1 unit	103
I	1000	1000	66	B	3WL11 10-3□□42-....			1	1 unit	103
I	1250	1250	66	B	3WL11 12-3□□42-....			1	1 unit	103
I	1600	1600	66	B	3WL11 16-3□□42-....			1	1 unit	103
II	800	800	80	B	3WL12 08-3□□42-....			1	1 unit	103
II	1000	1000	80	B	3WL12 10-3□□42-....			1	1 unit	103
II	1250	1250	80	B	3WL12 12-3□□42-....			1	1 unit	103
II	1600	1600	80	B	3WL12 16-3□□42-....			1	1 unit	103
II	2000	2000	80	B	3WL12 20-3□□42-....			1	1 unit	103
II	2500	2500	80	B	3WL12 25-3□□42-....			1	1 unit	103
II	3200	3200	80	B	3WL12 32-3□□42-....			1	1 unit	103
Vertical main circuit connection										
I	630	630	66	B	3WL11 06-3□□41-....			1	1 unit	103
I	800	800	66	B	3WL11 08-3□□41-....			1	1 unit	103
I	1000	1000	66	B	3WL11 10-3□□41-....			1	1 unit	103
I	1250	1250	66	B	3WL11 12-3□□41-....			1	1 unit	103
I	1600	1600	66	B	3WL11 16-3□□41-....			1	1 unit	103
II	800	800	80	B	3WL12 08-3□□41-....			1	1 unit	103
II	1000	1000	80	B	3WL12 10-3□□41-....			1	1 unit	103
II	1250	1250	80	B	3WL12 12-3□□41-....			1	1 unit	103
II	1600	1600	80	B	3WL12 16-3□□41-....			1	1 unit	103
II	2000	2000	80	B	3WL12 20-3□□41-....			1	1 unit	103
II	2500	2500	80	B	3WL12 25-3□□41-....			1	1 unit	103
II	3200	3200	80	B	3WL12 32-3□□41-....			1	1 unit	103
II	4000	4000	80	B	3WL12 40-3□□41-....			1	1 unit	103
Front main circuit connection, single hole										
I	630	630	66	B	3WL11 06-3□□43-....			1	1 unit	103
I	800	800	66	B	3WL11 08-3□□43-....			1	1 unit	103
I	1000	1000	66	B	3WL11 10-3□□43-....			1	1 unit	103
I	1250	1250	66	B	3WL11 12-3□□43-....			1	1 unit	103
I	1600	1600	66	B	3WL11 16-3□□43-....			1	1 unit	103
II	800	800	80	B	3WL12 08-3□□43-....			1	1 unit	103
II	1000	1000	80	B	3WL12 10-3□□43-....			1	1 unit	103
II	1250	1250	80	B	3WL12 12-3□□43-....			1	1 unit	103
II	1600	1600	80	B	3WL12 16-3□□43-....			1	1 unit	103
II	2000	2000	80	B	3WL12 20-3□□43-....			1	1 unit	103
II	2500	2500	80	B	3WL12 25-3□□43-....			1	1 unit	103
II	3200	3200	80	B	3WL12 32-3□□43-....			1	1 unit	103
Front main circuit connection, double hole										
I	630	630	66	B	3WL11 06-3□□44-....			1	1 unit	103
I	800	800	66	B	3WL11 08-3□□44-....			1	1 unit	103
I	1000	1000	66	B	3WL11 10-3□□44-....			1	1 unit	103
I	1250	1250	66	B	3WL11 12-3□□44-....			1	1 unit	103
I	1600	1600	66	B	3WL11 16-3□□44-....			1	1 unit	103
II	800	800	80	B	3WL12 08-3□□44-....			1	1 unit	103
II	1000	1000	80	B	3WL12 10-3□□44-....			1	1 unit	103
II	1250	1250	80	B	3WL12 12-3□□44-....			1	1 unit	103
II	1600	1600	80	B	3WL12 16-3□□44-....			1	1 unit	103
II	2000	2000	80	B	3WL12 20-3□□44-....			1	1 unit	103
II	2500	2500	80	B	3WL12 25-3□□44-....			1	1 unit	103
II	3200	3200	80	B	3WL12 32-3□□44-....			1	1 unit	103
Non-automatic air circuit breakers²⁾										
Without electronic trip unit										
Order No. supplements										
AA										
Add. price										
without										
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⁾⁽⁵⁾ with 4-line display										
ETU55B: Protection functions LSIN ³⁾⁽⁵⁾										
ETU76B: Protection functions LSIN ³⁾⁽⁵⁾ with pixel 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										
ETU55B: Protection functions LSING ³⁾⁽⁵⁾ with pixel graphics display										
ETU76B: Protection functions LSING ³⁾⁽⁵⁾ with pixel graphics display										
Standard Order No. supplements (for further Order No. supplements, see page 15/22)										
Manual operating mechanism with mechanical closing										
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO										
1AA2										
without										
x = additional price										
For footnotes see 15/17.										
* You can order this quantity or a multiple thereof.										

3WL Air Circuit Breakers

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

4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 100 kA at 500 V, high switching capacity H		Order No. Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			A	A						
Horizontal main circuit connection										
II	800	800	100	B	3WL12 08-4□□42-....		1	1 unit	103	67.000
II	1000	1000	100	B	3WL12 10-4□□42-....		1	1 unit	103	67.000
II	1250	1250	100	B	3WL12 12-4□□42-....		1	1 unit	103	67.000
II	1600	1600	100	B	3WL12 16-4□□42-....		1	1 unit	103	67.000
II	2000	2000	100	B	3WL12 20-4□□42-....		1	1 unit	103	67.000
II	2500	2500	100	B	3WL12 25-4□□42-....		1	1 unit	103	71.000
II	3200	3200	100	B	3WL12 32-4□□42-....		1	1 unit	103	77.000
III	4000	4000	100	B	3WL13 40-4□□42-....		1	1 unit	103	106.000
III	5000	5000	100	B	3WL13 50-4□□42-....		1	1 unit	103	99.000
Vertical main circuit connection										
II	800	800	100	B	3WL12 08-4□□41-....		1	1 unit	103	75.000
II	1000	1000	100	B	3WL12 10-4□□41-....		1	1 unit	103	75.000
II	1250	1250	100	B	3WL12 12-4□□41-....		1	1 unit	103	67.000
II	1600	1600	100	B	3WL12 16-4□□41-....		1	1 unit	103	67.000
II	2000	2000	100	B	3WL12 20-4□□41-....		1	1 unit	103	75.000
II	2500	2500	100	B	3WL12 25-4□□41-....		1	1 unit	103	71.000
II	3200	3200	100	B	3WL12 32-4□□41-....		1	1 unit	103	77.000
II	4000	4000	100	B	3WL12 40-4□□41-....		1	1 unit	103	103.000
III	4000	4000	100	B	3WL13 40-4□□41-....		1	1 unit	103	106.000
III	5000	5000	100	B	3WL13 50-4□□41-....		1	1 unit	103	99.000
III	6300	6300	100	B	3WL13 63-4□□41-....		1	1 unit	103	106.000
Front main circuit connection, single hole										
II	800	800	100	B	3WL12 08-4□□43-....		1	1 unit	103	67.000
II	1000	1000	100	B	3WL12 10-4□□43-....		1	1 unit	103	67.000
II	1250	1250	100	B	3WL12 12-4□□43-....		1	1 unit	103	67.000
II	1600	1600	100	B	3WL12 16-4□□43-....		1	1 unit	103	67.000
II	2000	2000	100	B	3WL12 20-4□□43-....		1	1 unit	103	67.000
II	2500	2500	100	B	3WL12 25-4□□43-....		1	1 unit	103	71.000
II	3200	3200	100	B	3WL12 32-4□□43-....		1	1 unit	103	77.000
III	4000	4000	100	B	3WL13 40-4□□43-....		1	1 unit	103	99.000
Front main circuit connection, double hole										
II	800	800	100	B	3WL12 08-4□□44-....		1	1 unit	103	67.000
II	1000	1000	100	B	3WL12 10-4□□44-....		1	1 unit	103	67.000
II	1250	1250	100	B	3WL12 12-4□□44-....		1	1 unit	103	67.000
II	1600	1600	100	B	3WL12 16-4□□44-....		1	1 unit	103	67.000
II	2000	2000	100	B	3WL12 20-4□□44-....		1	1 unit	103	67.000
II	2500	2500	100	B	3WL12 25-4□□44-....		1	1 unit	103	71.000
II	3200	3200	100	B	3WL12 32-4□□44-....		1	1 unit	103	77.000
III	4000	4000	100	B	3WL13 40-4□□44-....		1	1 unit	103	106.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit					Order No. supplements		Add. price without			
Electronic trip units					AA		x			
Versions without ground-fault protection					BB		x			
ETU15B: Protection functions L1					CB		x			
ETU25B: Protection functions LSI					EB		x			
ETU45B: Protection functions LSIN ³⁾					FB		x			
ETU45B: Protection functions LSIN ³⁾ with 4-line display					JB		x			
ETU55B: Protection functions LSIN ³⁾					NB		x			
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display					DG		x			
Versions with ground-fault protection					EG		x			
ETU27B: Protection functions LSING ⁴⁾					FG		x			
ETU45B: Protection functions LSING ⁴⁾ ⁵⁾					JG		x			
ETU45B: Protection functions LSING ⁴⁾ ⁵⁾ with 4-line display					NG		x			
ETU55B: Protection functions LSING ⁴⁾ ⁵⁾										
ETU76B: Protection functions LSING ⁴⁾ ⁵⁾ with pixel graphics display										
Standard Order No. supplements (for further Order No. supplements, see page 15/22)										
Manual operating mechanism with mechanical closing					1AA2		without			
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO										

x = additional price

For footnotes see page 15/17.

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 130 kA at 500 V, very high switching capacity C		Order No. Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	A	A	KA	DT						kg
Horizontal main circuit connection										
III	4000	4000	130	B	3WL13 40-5□□42-....			1	1 unit	103 99.000
III	5000	5000	130	B	3WL13 50-5□□42-....			1	1 unit	103 99.000
Vertical main circuit connection										
III	4000	4000	130	B	3WL13 40-5□□41-....			1	1 unit	103 99.000
III	5000	5000	130	B	3WL13 50-5□□41-....			1	1 unit	103 99.000
III	6300	6300	130	B	3WL13 63-5□□41-....			1	1 unit	103 108.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit										
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										
ETU55B: Protection functions LSIN ³⁾										
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display										
Versions with ground-fault protection										
ETU27B: Protection functions LSING ⁴⁾										
ETU45B: Protection functions LSING ⁴⁾ ⁵⁾										
ETU45B: Protection functions LSING ⁴⁾ ⁵⁾ with 4-line display										
ETU55B: Protection functions LSING ⁴⁾ ⁵⁾										
ETU76B: Protection functions LSING ⁴⁾ ⁵⁾ with pixel graphics display										

Standard Order No. supplements (for further Order No. supplements, see page 15/22)

Manual operating mechanism with mechanical closing
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO

x = additional price

Footnotes for pages 15/14 to 15/17:

- 1) The rated current is determined by the rated current module. 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 15/23.
- 2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see Technical Information LV 1T, "Technical specifications".

1AA2

without

- 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 15/31](#). The internal transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", [see page 15/25](#).
- 4) Current transformers for protection of the N conductor are to be ordered separately, [see page 15/31](#).
- 5) [ETU45B to ETU76B with ground-fault protection module GFM AT \(alarm and tripping\), see page 15/31](#).

3WL Air Circuit Breakers

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

4-pole, withdrawable versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 55/66 kA at 500 V, ECO switching capacity N	Order No. Order No. supplements, see page 15/22		PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
				kA	DT				
Without guide frames (for guide frames, see page 15/29 and 15/30)									
I	630	630	55 B	3WL11 06-2□□45....		1	1 unit	103	54.000
I	800	800	55 B	3WL11 08-2□□45....		1	1 unit	103	54.000
I	1000	1000	55 B	3WL11 10-2□□45....		1	1 unit	103	54.000
I	1250	1250	55 B	3WL11 12-2□□45....		1	1 unit	103	54.000
I	1600	1600	55 B	3WL11 16-2□□45....		1	1 unit	103	54.000
II	800	800	66 B	3WL12 08-2□□45....		1	1 unit	103	75.000
II	1000	1000	66 B	3WL12 10-2□□45....		1	1 unit	103	75.000
II	1250	1250	66 B	3WL12 12-2□□45....		1	1 unit	103	75.000
II	1600	1600	66 B	3WL12 16-2□□45....		1	1 unit	103	75.000
II	2000	2000	66 B	3WL12 20-2□□45....		1	1 unit	103	75.000
II	2500	2500	66 B	3WL12 25-2□□45....		1	1 unit	103	76.000
II	3200	3200	66 B	3WL12 32-2□□45....		1	1 unit	103	82.000
With guide frames, horizontal main circuit connection									
I	630	630	55 B	3WL11 06-2□□46....		1	1 unit	103	84.000
I	800	800	55 B	3WL11 08-2□□46....		1	1 unit	103	84.000
I	1000	1000	55 B	3WL11 10-2□□46....		1	1 unit	103	84.000
I	1250	1250	55 B	3WL11 12-2□□46....		1	1 unit	103	84.000
I	1600	1600	55 B	3WL11 16-2□□46....		1	1 unit	103	84.000
II	800	800	66 B	3WL12 08-2□□46....		1	1 unit	103	109.000
II	1000	1000	66 B	3WL12 10-2□□46....		1	1 unit	103	109.000
II	1250	1250	66 B	3WL12 12-2□□46....		1	1 unit	103	109.000
II	1600	1600	66 B	3WL12 16-2□□46....		1	1 unit	103	109.000
II	2000	2000	66 B	3WL12 20-2□□46....		1	1 unit	103	109.000
II	2500	2500	66 B	3WL12 25-2□□46....		1	1 unit	103	123.000
II	3200	3200	66 B	3WL12 32-2□□46....		1	1 unit	103	136.000
With guide frames, vertical main circuit connection									
I	630	630	55 B	3WL11 06-2□□47....		1	1 unit	103	84.000
I	800	800	55 B	3WL11 08-2□□47....		1	1 unit	103	84.000
I	1000	1000	55 B	3WL11 10-2□□47....		1	1 unit	103	84.000
I	1250	1250	55 B	3WL11 12-2□□47....		1	1 unit	103	84.000
I	1600	1600	55 B	3WL11 16-2□□47....		1	1 unit	103	84.000
II	800	800	66 B	3WL12 08-2□□47....		1	1 unit	103	109.000
II	1000	1000	66 B	3WL12 10-2□□47....		1	1 unit	103	109.000
II	1250	1250	66 B	3WL12 12-2□□47....		1	1 unit	103	109.000
II	1600	1600	66 B	3WL12 16-2□□47....		1	1 unit	103	109.000
II	2000	2000	66 B	3WL12 20-2□□47....		1	1 unit	103	109.000
II	2500	2500	66 B	3WL12 25-2□□47....		1	1 unit	103	123.000
II	3200	3200	66 B	3WL12 32-2□□47....		1	1 unit	103	136.000
II	4000	4000	66 B	3WL12 40-2□□47....		1	1 unit	103	146.000
With guide frames, connecting flanges									
I	630	630	55 B	3WL11 06-2□□48....		1	1 unit	103	84.000
I	800	800	55 B	3WL11 08-2□□48....		1	1 unit	103	84.000
I	1000	1000	55 B	3WL11 10-2□□48....		1	1 unit	103	84.000
I	1250	1250	55 B	3WL11 12-2□□48....		1	1 unit	103	84.000
I	1600	1600	55 B	3WL11 16-2□□48....		1	1 unit	103	84.000
II	800	800	66 B	3WL12 08-2□□48....		1	1 unit	103	109.000
II	1000	1000	66 B	3WL12 10-2□□48....		1	1 unit	103	109.000
II	1250	1250	66 B	3WL12 12-2□□48....		1	1 unit	103	109.000
II	1600	1600	66 B	3WL12 16-2□□48....		1	1 unit	103	109.000
II	2000	2000	66 B	3WL12 20-2□□48....		1	1 unit	103	109.000
II	2500	2500	66 B	3WL12 25-2□□48....		1	1 unit	103	123.000
II	3200	3200	66 B	3WL12 32-2□□48....		1	1 unit	103	136.000
Non-automatic air circuit breakers²⁾									
Without electronic trip unit									
Order No. supplements AA									
Add. price without									
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									
ETU55B: Protection functions LSIN ³⁾									
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display									
Versions with ground-fault protection									
ETU27B: Protection functions LSING ⁴⁾									
ETU45B: Protection functions LSING ⁴⁾ ⁵⁾									
ETU45B: Protection functions LSING ⁴⁾ ⁵⁾ with 4-line display									
ETU55B: Protection functions LSING ⁴⁾ ⁵⁾									
ETU76B: Protection functions LSING ⁴⁾ ⁵⁾ with pixel graphics display									
Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)									
Manual operating mechanism with mechanical closing									
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO									
1AA2									
without									
For footnotes see page 15/21.									

x = additional price

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 66/80 kA at 500 V, standard switching capacity S		Order No. Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
			kA	DT						
Without guide frames (for guide frames, see page 15/29 and 15/30)										
I	630	630	66	B	3WL11 06-3□□45-....			1	1 unit	103 54.000
I	800	800	66	B	3WL11 08-3□□45-....			1	1 unit	103 54.000
I	1000	1000	66	B	3WL11 10-3□□45-....			1	1 unit	103 54.000
I	1250	1250	66	B	3WL11 12-3□□45-....			1	1 unit	103 54.000
I	1600	1600	66	B	3WL11 16-3□□45-....			1	1 unit	103 54.000
II	800	800	80	B	3WL12 08-3□□45-....			1	1 unit	103 75.000
II	1000	1000	80	B	3WL12 10-3□□45-....			1	1 unit	103 75.000
II	1250	1250	80	B	3WL12 12-3□□45-....			1	1 unit	103 75.000
II	1600	1600	80	B	3WL12 16-3□□45-....			1	1 unit	103 75.000
II	2000	2000	80	B	3WL12 20-3□□45-....			1	1 unit	103 75.000
II	2500	2500	80	B	3WL12 25-3□□45-....			1	1 unit	103 76.000
II	3200	3200	80	B	3WL12 32-3□□45-....			1	1 unit	103 82.000
With guide frames, horizontal main circuit connection										
I	630	630	66	B	3WL11 06-3□□46-....			1	1 unit	103 84.000
I	800	800	66	B	3WL11 08-3□□46-....			1	1 unit	103 84.000
I	1000	1000	66	B	3WL11 10-3□□46-....			1	1 unit	103 84.000
I	1250	1250	66	B	3WL11 12-3□□46-....			1	1 unit	103 84.000
I	1600	1600	66	B	3WL11 16-3□□46-....			1	1 unit	103 84.000
II	800	800	80	B	3WL12 08-3□□46-....			1	1 unit	103 109.000
II	1000	1000	80	B	3WL12 10-3□□46-....			1	1 unit	103 109.000
II	1250	1250	80	B	3WL12 12-3□□46-....			1	1 unit	103 109.000
II	1600	1600	80	B	3WL12 16-3□□46-....			1	1 unit	103 109.000
II	2000	2000	80	B	3WL12 20-3□□46-....			1	1 unit	103 109.000
II	2500	2500	80	B	3WL12 25-3□□46-....			1	1 unit	103 123.000
II	3200	3200	80	B	3WL12 32-3□□46-....			1	1 unit	103 136.000
With guide frames, vertical main circuit connection										
I	630	630	66	B	3WL11 06-3□□47-....			1	1 unit	103 84.000
I	800	800	66	B	3WL11 08-3□□47-....			1	1 unit	103 84.000
I	1000	1000	66	B	3WL11 10-3□□47-....			1	1 unit	103 84.000
I	1250	1250	66	B	3WL11 12-3□□47-....			1	1 unit	103 84.000
I	1600	1600	66	B	3WL11 16-3□□47-....			1	1 unit	103 84.000
II	800	800	80	B	3WL12 08-3□□47-....			1	1 unit	103 109.000
II	1000	1000	80	B	3WL12 10-3□□47-....			1	1 unit	103 109.000
II	1250	1250	80	B	3WL12 12-3□□47-....			1	1 unit	103 109.000
II	1600	1600	80	B	3WL12 16-3□□47-....			1	1 unit	103 109.000
II	2000	2000	80	B	3WL12 20-3□□47-....			1	1 unit	103 109.000
II	2500	2500	80	B	3WL12 25-3□□47-....			1	1 unit	103 123.000
II	3200	3200	80	B	3WL12 32-3□□47-....			1	1 unit	103 136.000
II	4000	4000	80	B	3WL12 40-3□□47-....			1	1 unit	103 146.000
With guide frames, connecting flanges										
I	630	630	66	B	3WL11 06-3□□48-....			1	1 unit	103 84.000
I	800	800	66	B	3WL11 08-3□□48-....			1	1 unit	103 84.000
I	1000	1000	66	B	3WL11 10-3□□48-....			1	1 unit	103 84.000
I	1250	1250	66	B	3WL11 12-3□□48-....			1	1 unit	103 84.000
I	1600	1600	66	B	3WL11 16-3□□48-....			1	1 unit	103 84.000
II	800	800	80	B	3WL12 08-3□□48-....			1	1 unit	103 109.000
II	1000	1000	80	B	3WL12 10-3□□48-....			1	1 unit	103 109.000
II	1250	1250	80	B	3WL12 12-3□□48-....			1	1 unit	103 109.000
II	1600	1600	80	B	3WL12 16-3□□48-....			1	1 unit	103 109.000
II	2000	2000	80	B	3WL12 20-3□□48-....			1	1 unit	103 109.000
II	2500	2500	80	B	3WL12 25-3□□48-....			1	1 unit	103 123.000
II	3200	3200	80	B	3WL12 32-3□□48-....			1	1 unit	103 136.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit										
						Order No. supplements AA		Add. price without		
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										
ETU55B: Protection functions LSIN ³⁾ ₅₎										
ETU76B: Protection functions LSIN ³⁾ ₅₎ with pixel graphics display										
Versions with ground-fault protection										
ETU27B: Protection functions LSING ⁴⁾										
ETU45B: Protection functions LSING ⁴⁾ ₅₎										
ETU45B: Protection functions LSING ⁴⁾ ₅₎ with 4-line display										
ETU55B: Protection functions LSING ⁴⁾ ₅₎										
ETU76B: Protection functions LSING ⁴⁾ ₅₎ with pixel graphics display										
Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)										
Manual operating mechanism with mechanical closing										
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO										
1AA2										
without										
x = additional price										
For footnotes see page 15/21.										
* You can order this quantity or a multiple thereof.										

3WL Air Circuit Breakers

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

4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 100 kA at 500 V, high switching capacity H		Order No. Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	A	A	kA	DT						kg
Without guide frames (for guide frames, see page 15/29 and 15/30)										
II	800	800	100	B	3WL12 08-4□□45-....		1	1 unit	103	72.000
II	1000	1000	100	B	3WL12 10-4□□45-....		1	1 unit	103	72.000
II	1250	1250	100	B	3WL12 12-4□□45-....		1	1 unit	103	75.000
II	1600	1600	100	B	3WL12 16-4□□45-....		1	1 unit	103	75.000
II	2000	2000	100	B	3WL12 20-4□□45-....		1	1 unit	103	75.000
II	2500	2500	100	B	3WL12 25-4□□45-....		1	1 unit	103	76.000
II	3200	3200	100	B	3WL12 32-4□□45-....		1	1 unit	103	82.000
III	4000	4000	100	B	3WL13 40-4□□45-....		1	1 unit	103	106.000
III	5000	5000	100	B	3WL13 50-4□□45-....		1	1 unit	103	106.000
III	6300	6300	100	B	3WL13 63-4□□45-....		1	1 unit	103	108.000
With guide frames, horizontal main circuit connection										
II	800	800	100	B	3WL12 08-4□□46-....		1	1 unit	103	109.000
II	1000	1000	100	B	3WL12 10-4□□46-....		1	1 unit	103	109.000
II	1250	1250	100	B	3WL12 12-4□□46-....		1	1 unit	103	109.000
II	1600	1600	100	B	3WL12 16-4□□46-....		1	1 unit	103	109.000
II	2000	2000	100	B	3WL12 20-4□□46-....		1	1 unit	103	109.000
II	2500	2500	100	B	3WL12 25-4□□46-....		1	1 unit	103	123.000
II	3200	3200	100	B	3WL12 32-4□□46-....		1	1 unit	103	136.000
III	4000	4000	100	B	3WL13 40-4□□46-....		1	1 unit	103	190.000
III	5000	5000	100	B	3WL13 50-4□□46-....		1	1 unit	103	190.000
With guide frames, vertical main circuit connection										
II	800	800	100	B	3WL12 08-4□□47-....		1	1 unit	103	109.000
II	1000	1000	100	B	3WL12 10-4□□47-....		1	1 unit	103	109.000
II	1250	1250	100	B	3WL12 12-4□□47-....		1	1 unit	103	109.000
II	1600	1600	100	B	3WL12 16-4□□47-....		1	1 unit	103	109.000
II	2000	2000	100	B	3WL12 20-4□□47-....		1	1 unit	103	109.000
II	2500	2500	100	B	3WL12 25-4□□47-....		1	1 unit	103	123.000
II	3200	3200	100	B	3WL12 32-4□□47-....		1	1 unit	103	136.000
II	4000	4000	100	B	3WL12 40-4□□47-....		1	1 unit	103	146.000
III	4000	4000	100	B	3WL13 40-4□□47-....		1	1 unit	103	190.000
III	5000	5000	100	B	3WL13 50-4□□47-....		1	1 unit	103	190.000
III	6300	6300	100	B	3WL13 63-4□□47-....		1	1 unit	103	227.000
With guide frames, connecting flanges										
II	800	800	100	B	3WL12 08-4□□48-....		1	1 unit	103	109.000
II	1000	1000	100	B	3WL12 10-4□□48-....		1	1 unit	103	109.000
II	1250	1250	100	B	3WL12 12-4□□48-....		1	1 unit	103	109.000
II	1600	1600	100	B	3WL12 16-4□□48-....		1	1 unit	103	109.000
II	2000	2000	100	B	3WL12 20-4□□48-....		1	1 unit	103	109.000
II	2500	2500	100	B	3WL12 25-4□□48-....		1	1 unit	103	123.000
II	3200	3200	100	B	3WL12 32-4□□48-....		1	1 unit	103	136.000
III	4000	4000	100	B	3WL13 40-4□□48-....		1	1 unit	103	190.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit										
Order No. supplements										
AA										
without										
Electronic trip units										
Versions without ground-fault protection										
ETU15B: Protection functions L1										
ETU25B: Protection functions LSI										
ETU45B: Protection functions LSIN ³⁾										
ETU45B: Protection functions LSIN ³⁾⁽⁵⁾ with 4-line display										
ETU55B: Protection functions LSIN ³⁾⁽⁵⁾										
ETU76B: Protection functions LSIN ³⁾⁽⁵⁾ with pixel 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										
ETU55B: Protection functions LSING ³⁾⁽⁵⁾										
ETU76B: Protection functions LSING ³⁾⁽⁵⁾ with pixel graphics display										
Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)										
Manual operating mechanism with mechanical closing										
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO										
1AA2										
without										

x = additional price

For footnotes see page 15/21.

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\ max.}$	Rated current ¹⁾ I_n	I_{cu} up to 130 kA at 500 V, very high switching capacity C		Order No. Order No. supplements, see page 15/22	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A		kA	DT						kg
Without guide frames (for guide frames, see page 15/29 and 15/30)										
III	4000	4000	130	B	3WL13 40-5□□45-....		1	1 unit	103	115.000
III	5000	5000	130	B	3WL13 50-5□□45-....		1	1 unit	103	115.000
III	6300	6300	130	B	3WL13 63-5□□45-....		1	1 unit	103	108.000
With guide frames, horizontal main circuit connection										
III	4000	4000	130	B	3WL13 40-5□□46-....		1	1 unit	103	190.000
III	5000	5000	130	B	3WL13 50-5□□46-....		1	1 unit	103	190.000
With guide frames, vertical main circuit connection										
III	4000	4000	130	B	3WL13 40-5□□47-....		1	1 unit	103	190.000
III	5000	5000	130	B	3WL13 50-5□□47-....		1	1 unit	103	190.000
III	6300	6300	130	B	3WL13 63-5□□47-....		1	1 unit	103	227.000
Non-automatic air circuit breakers²⁾										
Without electronic trip unit										
Electronic trip units										
Versions without ground-fault protection										
ETU15B: Protection functions L1										
ETU25B: Protection functions LSI										
ETU45B: Protection functions LSIN ³⁾										
ETU45B: Protection functions LSIN ³⁾ with 4-line display										
ETU55B: Protection functions LSIN ³⁾										
ETU76B: Protection functions LSIN ³⁾ with pixel 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										
ETU55B: Protection functions LSING ³⁾⁽⁵⁾										
ETU76B: Protection functions LSING ³⁾⁽⁵⁾ with pixel graphics display										

Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)

Manual operating mechanism with mechanical closing
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO

x = additional price

Footnotes for pages 15/18 to 15/21:

1) The rated current is determined by the rated current module. 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 15/23.

2) For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see Technical Information LV 1T, "Technical specifications".

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 15/31. The internal transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 15/25.

4) Current transformers for protection of the N conductor are to be ordered separately, see page 15/31.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 15/31.

1AA2

without

3WL Air Circuit Breakers

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

Options

Selection and ordering data

		Order No. supplement 3WL1.....-	Add. price
Operating mechanisms			
Manual operating mechanism with mechanical closing		1	without
Manual operating mechanism with mechanical and electrical closing, closing solenoid suitable for continuous duty, 100 % ON period		2	x
Closing solenoid		3	x
AC 50/60 Hz V	V DC		
110	110 ... 125		
230	220		
Manual/motorized operating mechanism with mechanical and electrical closing, closing solenoid suitable for continuous duty, 100 % ON period		4	x
Motor	Closing solenoid	5	x
AC 50/60 Hz V	V DC	6	x
208 ... 240	220 ... 250		
110 ... 127	110 ... 125		
--	24		
To order different voltages for motorized operating mechanism and closing solenoid:			
"1" at the 13th digit of the Order No. and order codes, see page 15/24.			
1st auxiliary trip unit		A	without
Without 1st auxiliary trip unit		B	x
Shunt trip unit suitable for continuous duty, 100 % ON period		C	x
Operating range 0.85 ... 1.1 x U_s		D	x
U_s AC 50/60 Hz V	U_s V DC	E	x
--	24	F	x
--	30	G	x
--	48		
--	60		
110	110 ... 125		
230	220		
2nd auxiliary trip unit		A	without
Without 2nd auxiliary trip unit		B	x
Shunt trip unit suitable for continuous duty, 100 % ON period		C	x
Operating range 0.85 ... 1.1 x U_s		D	x
U_s AC 50/60 Hz V	U_s V DC	E	x
--	24	F	x
--	30	G	x
--	48		
--	60		
110	110 ... 125		
230	220		
Undervoltage trip unit, instantaneous (≤ 80 ms), short-delay (≤ 200 ms)		J	x
Operating range 0.85 ... 1.1 x U_s		K	x
U_s AC 50/60 Hz V	U_s V DC	L	x
--	24	M	x
--	30	N	x
--	48	P	x
--	60		
110 ... 127	110 ... 125		
208 ... 240	220 ... 250		
380 ... 415	--		
Undervoltage trip unit, can be delayed between 0.2 s and 3.2 s		Q	x
Operating range 0.85 ... 1.1 x U_s		R	x
U_s AC 50/60 Hz V	U_s V DC	S	x
--	48	T	x
110 ... 127	110 ... 125		
208 ... 240	220 ... 250		
380 ... 415	--		
Auxiliary switches		2	without
1st auxiliary switch block 2 NO + 2 NC		4	x
1st + 2nd auxiliary switch block 4 NO + 4 NC		7	x
6 NO + 2 NC		8	x
5 NO + 3 NC			

x = additional price

3WL Air Circuit Breakers

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

Options

Add "-Z" to the complete Order No. and indicate the appropriate order code(s).	Order No. with "-Z" 3WL . . . - . . . - . . . -Z and additional order code(s) <input type="checkbox"/> <input type="checkbox"/> + . . . + . . .	Add. price
Lockout devices and remote resets		
Automatic reset of the lockout device	K 0 1	x
Tripped signaling switches¹⁾ 1 CO contact	K 0 7	x
Remote reset solenoid for displays and reset buttons including automatic reset of the lockout device		
AC 50/60 Hz V	V DC	
--	24	
120	125	x
220 ... 240	220 ... 250	x
K 1 0		
K 1 2		x
K 1 3		x
Motorized operating mechanisms and closing/opening solenoids		
Motorized operating mechanisms		
Only possible if the 13th digit of the Order No. = "1"		
Motor		
AC 50/60 Hz V	V DC	
--	24 ... 30	
--	48 ... 60	x
110 ... 127	110 ... 125	x
208 ... 240	220 ... 250	x
M 0 1		
M 0 3		x
M 0 5		x
M 0 6		x
Closing solenoids suitable for continuous duty, 100 % ON period –		
Only possible if the 13th digit of the Order No. = "1"		
Activation solenoids		
AC 50/60 Hz V	V DC	
--	24	
--	30	x
--	48	x
--	60	
110	110	x
230	220	x
M 2 1		
M 2 2		x
M 2 3		x
M 2 4		
M 2 5		x
M 2 6		x
Closing solenoids³⁾ – unsuitable for continuous duty, 5 % ON period –		
Only possible if the 13th digit of the Order No. = "1"		
Activation solenoids		
AC 50/60 Hz V	V DC	
--	24	
--	48	x
110 ... 127	110 ... 125	x
208 ... 240	220 ... 250	x
M 3 1		
M 3 3		x
M 3 5		x
M 3 6		x
Opening solenoids (shunt trip unit) –		
unsuitable for continuous duty, 5 % ON period		
Activation solenoids		
AC 50/60 Hz V	V DC	
--	24	
--	48	x
110 ... 127	110 ... 125	x
208 ... 240	220 ... 250	x
M 4 1		
M 4 3		x
M 4 5		x
M 4 6		x
Communication and measurement functions		
Breaker status sensor (BSS)	F 0 1	x
PROFIBUS communications interfaces⁴⁾ including COM15 and breaker status sensor (BSS)	F 0 2	x
MODBUS communications interfaces⁴⁾ including COM16 and breaker status sensor (BSS)	F 1 2	x
Measurement function Plus (without PROFIBUS/MODBUS communications interface)⁵⁾	F 0 5	x

x = additional price

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

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

3) Overexcited, i.e. closing time 25 ms (standard 60 ms).

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

5) Additional voltage transformers are required for connection of the measurement function *Plus*, see page 15/40.

3WL Air Circuit Breakers

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

Options

Add "-Z" to the complete Order No. and indicate the appropriate order code(s).			Order No. with "-Z" 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 3WL -Z and additional order code(s) □ □ □ + . . . + . . .	Add. price
			Code for "Further versions" -Z	
			Order code for fixed-mounted version	Order code for withdrawable version
Interlocks, covers, position indicator switches			□ □ □	□ □ □
Mutual mechanical interlockings (interlocking module with Bowden wire 2 m)			S 5 5	-- -- --
Fixed-mounted circuit breaker				x
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				
3-pole				
Size I			--	R 1 0
Size II			--	R 1 0
Size III			--	R 1 0
4-pole				
Size I			--	R 1 0
Size II			--	R 1 0
Size III			--	R 1 0
Shutters				
2-part lockable with padlocks ¹⁾				
3-pole				
Size I			--	R 2 1
Size II			--	R 2 1
Size III			--	R 2 1
4-pole				
Size I			--	R 2 1
Size II			--	R 2 1
Size III			--	R 2 1
Position indicator switches for guide frames				
Connected position				
Test position				
Disconnected position				
1 CO			--	R 1 5
3 CO			--	R 1 6
Add "-Z" to the complete Order No. and indicate the appropriate order code(s).			Order No. with "-Z" 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 3WL -Z and additional order code(s) □ □ □ + . . . + . . .	Add. price
			Code for "Further versions" -Z	
Overload and short-circuit protection for neutral conductors				
Internal transformers for N conductors				
Only possible with 4-pole circuit breakers with ETU27B to ETU76B				
Size I			F 2 3	x
Size II			F 2 3	x
Size III			F 2 3	x
Protection of the N conductors only under single-pole loads				
IT network electronics including transformers for neutral conductor protection ²⁾				
Only possible with 4-pole circuit breakers with ETU55B. IT network electronics is included as standard with all other ETUs.				
EMC filters				
EMC filters				
Common-mode interference suppressor filters (e.g. in IT networks, caused by frequency converters)			F 3 1	x
Insertion loss (asymmetric) in the range 40 kHz to 10 MHz >40 dB.				

x = additional price

¹⁾ Padlocks not included in scope of supply.

²⁾ The testing of transformers with the 3WL9 111-0AT31-0AA0 or 3WL9 111-0AT32-0AA0 manual tester is not possible.

3WL Air Circuit Breakers

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

Options

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

Order No. with "-Z"

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

3WL -Z

and additional order code(s)

□□□ + . . . + . . .

Code for
"Further versions"

-Z

	Order code for fixed-mounted version	Add. price for fixed-mounted version		Order code for withdrawable version	Add. price for withdrawable version
Locking devices					
Locking devices against unauthorized closing, in the operator panels The disconnector unit fulfills the requirements for main circuit breakers according to EN 60204 (VDE 0113)	Made by CES Made by IKON Assembly kit FORTRESS or Castell ¹⁾ Assembly kit for padlocks ²⁾ Made by Ronis Made by Profalux	S 0 1 S 0 3 S 0 5 S 0 7 S 0 8 S 0 9	x x x x x x	S 0 1 S 0 3 S 0 5 S 0 7 S 0 8 S 0 9	x x x x x x
EMERGENCY-STOP pushbuttons	Mushroom pushbutton instead of the mechanical OFF pushbutton	S 2 4	x	S 2 4	x
Locking devices against unauthorized closing, for withdrawable circuit breakers The disconnector unit fulfills the requirements for main circuit breakers according to EN 60204 (VDE 0113), consisting of a lock in the cabinet door, active in the connected position; the function is retained when the circuit breaker is replaced	Made by CES Made by Ronis Made by Profalux	-- -- --		R 6 1 R 6 8 R 6 0	x x x
Locking devices for operating mechanism handles with padlock²⁾		S 3 3	x	S 3 3	x
Locking devices to prevent movement of the withdrawable circuit breakers Safety lock for mounting on the circuit breaker	Made by CES Made by Profalux Made by Ronis	-- -- --		S 7 1 S 7 5 S 7 6	x x x
Locking mechanisms				R 8 1 R 8 5 R 8 6	x x x
Locking devices to prevent movement of the withdrawable circuit breakers in disconnected positions, consisting of Bowden wire and lock in the cabinet door	Made by CES Made by Profalux Made by Ronis	-- -- --			
Locking devices	To prevent opening of the cabinet door in: ON position (fixed-mounted version)/ in connected position (withdrawable version)	S 3 0	x	R 3 0	x
	To prevent movement with the cabinet door open	--		R 5 0	x
Connection methods for auxiliary conductors					
Connections for screwless terminals (tension spring)		N 6 1	x	P 6 1	x

x = additional price

¹⁾ Locks must be ordered from the manufacturer.

²⁾ Padlock not included in the scope of supply.

3WL Air Circuit Breakers

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

Options

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

Order No. with "–Z"
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
3WL –Z
and additional order code(s)
□ □ □ + . . + . .

Code for
"Further versions" –Z

For withdrawable circuit breakers with guide frames or without guide frames		Add. price 3-pole	Add. price 4-pole
To select this connection method, the 12th digit of the Order No. for the circuit breaker must be a "6"			
Connection methods for main circuit connections			
Top and bottom: accessible from front, single hole	Size I, up to 1600 A P 0 0 Size II, up to 2000 A P 0 0 Size II, up to 2500 A P 0 0 Size II, up to 3200 A P 0 0 Size III, up to 4000 A P 0 0	x x x x x	x x x x x
Top and bottom: accessible from front, double hole	Size I, up to 1600 A P 0 1 Size II, up to 2000 A P 0 1 Size II, up to 2500 A P 0 1 Size II, up to 3200 A P 0 1 Size III, up to 4000 A P 0 1	x x x x x	x x x x x
Top: horizontal, double hole Bottom: accessible from front, single hole	Size I, up to 1600 A P 0 7 Size II, up to 2000 A P 0 7 Size II, up to 2500 A P 0 7 Size II, up to 3200 A P 0 7 Size III, up to 4000 A P 0 7	x x x x x	x x x x x
Top: vertical Bottom: horizontal	Size I, up to 1600 A P 1 8 Size II, up to 2000 A P 1 8 Size II, up to 2500 A P 1 8 Size II, up to 3200 A P 1 8 Size III, up to 4000 A P 1 8 Size III, up to 5000 A P 1 8	x x x x x	x x x x x
Top: connecting flange Bottom: horizontal	Size I, up to 1600 A P 1 9 Size II, up to 2000 A P 1 9 Size II, up to 2500 A P 1 9 Size II, up to 3200 A P 1 9 Size III, up to 4000 A P 1 9	x x x x x	x x x x x
Top: horizontal Bottom: vertical	Size I, up to 1600 A P 2 3 Size II, up to 2000 A P 2 3 Size II, up to 2500 A P 2 3 Size II, up to 3200 A P 2 3 Size III, up to 4000 A P 2 3 Size III, up to 5000 A P 2 3	x x x x x	x x x x x
For fixed-mounted circuit breakers			
To select this connection method, the 12th digit of the Order No. for the circuit breaker must be a "2"			
Connection methods for main circuit connections			
Top: horizontal Bottom: accessible from front, single hole	Size I, up to 1600 A N 1 1 Size II, up to 2000 A N 1 1 Size II, up to 2500 A N 1 1 Size II, up to 3200 A N 1 1 Size III, up to 4000 A N 1 1	x x x x x	x x x x x
Top: vertical Bottom: horizontal	Size I, up to 1600 A N 2 0 Size II, up to 2000 A N 2 0 Size II, up to 2500 A N 2 0 Size II, up to 3200 A N 2 0 Size III, up to 4000 A N 2 0 Size III, up to 5000 A N 2 0	x x x x x	x x x x x
Top: horizontal Bottom: vertical	Size I, up to 1600 A N 2 4 Size II, up to 2000 A N 2 4 Size II, up to 2500 A N 2 4 Size II, up to 3200 A N 2 4 Size III, up to 4000 A N 2 4 Size III, up to 5000 A N 2 4	x x x x x	x x x x x

x = additional price

3WL Air Circuit Breakers

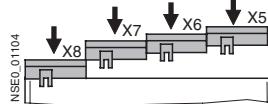
3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC)

Accessories/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 Order 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 trip units
- 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, ETU55B, ETU76B (internal CubicleBUS)	+1	X8
c3 Connections for external current transformers for overload protection in the N conductor and ground-fault protection		
c4 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 trip units		
d1 With/without 1st auxiliary trip unit (shunt trip unit F1)	0	X6
d2 2nd auxiliary trip unit (shunt trip unit F2, undervoltage trip unit F3, delayable undervoltage trip unit 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 Communications modules		
f1 Without communications module COM15/COM16	0	
f2 With communications module COM15/COM16 – occupies the entire terminal strip X7, making the following options no longer possible:	+1	X7
• Tripped signal switch S24		
• Stored-energy status indication S21		
• Electrical ON button S10		
• Signaling switch on first and second auxiliary trip unit S22 + S23		
g Optional signals/accessories		
g1 Tripped signal switch S24 (only possible if f2 is not selected)	+1	X7
g2 Stored-energy status indication S21 (only possible if f2 is not selected, required if g1 is not selected)	+1	X7
g3 Electrical ON button S10 (only possible if f2 is not selected, required if g1 or g2 is not selected)	+1	X7
g4 Signaling switch on first auxiliary trip unit S22 (only possible if f2 is not selected, required if g1, g2 or g3 is not selected)	+1	X7
g5 Signaling switch on second auxiliary trip unit S23 (only possible if f2 is not selected, required if g1, g2, g3 or g4 is not selected)	+1	X7
g6 Ready-to-close signaling switch S20	0	X6
g7 Motor shutdown switch S12 (only possible if motorized operating mechanism is selected)	0	X5
g8 Remote reset magnet F7 (required if c2 is not selected)	+1	X8
h Total number of auxiliary supply connectors	(max. 4)	

Selection and ordering data

Guide frames for AC circuit breakers/non-automatic air circuit breakers, 3 and 4-pole, for 1000 V AC

Add "-Z" to the complete Order No. and indicate the appropriate order code(s).	Order No. with "-Z" and additional order code 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 3WL9 2 1 -Z □ □ □	Add. price
---	--	------------

Rated voltage 1000 V AC	Code for "Further versions"-Z
Size II, except 4000 A (switching capacity H)	A 0 5
Size III, not necessary with circuit breakers with very high switching capacity C	A 0 5

For ordering guide frames see pages 15/29 and 15/30.

x = additional price

3WL Air Circuit Breakers

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

Accessories/spare parts

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

Size	Max. rated circuit breaker current $I_{n\ max.}$	Switching capacity I_{cu}	DT	Guide frames for 3-pole circuit breakers/ non-automatic air circuit breakers	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	A	kA		Order No. (Order No. supplements required according to table below)	Basic price per PU			kg
Front main circuit connection, single hole								
I	1000	... 100	B	3WL9 211-1AA□□-□□A1 3WL9 211-2AA□□-□□A1	1	1 unit	103	25.000
I	1600	... 100	B	3WL9 212-3AA□□-□□A1 3WL9 212-4AA□□-□□A1	1	1 unit	103	25.000
II	2000	... 100	B	3WL9 212-5AA□□-□□A1 3WL9 212-6AA□□-□□A1	1	1 unit	103	31.000
II	2500	... 100	B	3WL9 212-7AA□□-□□A1 3WL9 213-6AB□□-□□A1	1	1 unit	103	39.000
II	3200	... 100	B	3WL9 212-8AA□□-□□A1 3WL9 213-7AC□□-□□A1	1	1 unit	103	45.000
III	4000	... 100	B	3WL9 213-8AC□□-□□A1	1	1 unit	103	60.000
Front main circuit connection, double hole								
I	1000	... 100	B	3WL9 211-1AB□□-□□A1 3WL9 211-2AB□□-□□A1	1	1 unit	103	25.000
I	1600	... 100	B	3WL9 212-3AB□□-□□A1 3WL9 212-4AB□□-□□A1	1	1 unit	103	25.000
II	2000	... 100	B	3WL9 212-5AB□□-□□A1 3WL9 212-6AB□□-□□A1	1	1 unit	103	31.000
II	2500	... 100	B	3WL9 212-7AB□□-□□A1 3WL9 213-6AC□□-□□A1	1	1 unit	103	39.000
II	3200	... 100	B	3WL9 213-7AC□□-□□A1 3WL9 213-8AB□□-□□A1	1	1 unit	103	45.000
III	4000	... 100	B	3WL9 213-8AC□□-□□A1	1	1 unit	103	60.000
Horizontal main circuit connection								
I	1000	... 100	B	3WL9 211-1AC□□-□□A1 3WL9 211-2AC□□-□□A1	1	1 unit	103	25.000
I	1600	... 100	B	3WL9 212-3AC□□-□□A1 3WL9 212-4AC□□-□□A1	1	1 unit	103	25.000
II	2000	... 100	B	3WL9 212-5AC□□-□□A1 3WL9 212-6AC□□-□□A1	1	1 unit	103	31.000
II	2500	... 100	B	3WL9 212-7AC□□-□□A1 3WL9 213-6AC□□-□□C1	1	1 unit	103	39.000
III	3200	... 100	B	3WL9 213-7AC□□-□□A1 3WL9 213-8AC□□-□□C1	1	1 unit	103	45.000
III	4000	... 100	B	3WL9 213-8AC□□-□□C1	1	1 unit	103	60.000
III	5000	... 100	B	3WL9 213-7AC□□-□□A1 3WL9 213-8AC□□-□□C1	1	1 unit	103	60.000
III	4000	... 150	B	3WL9 213-6AC□□-□□C1	1	1 unit	103	63.000
III	5000	... 150	B	3WL9 213-7AC□□-□□C1	1	1 unit	103	63.000
Vertical main circuit connection								
I	1000	... 100	B	3WL9 211-1AD□□-□□A1 3WL9 211-2AD□□-□□A1	1	1 unit	103	25.000
I	1600	... 100	B	3WL9 212-3AD□□-□□A1 3WL9 212-4AD□□-□□A1	1	1 unit	103	25.000
II	2000	... 100	B	3WL9 212-5AD□□-□□A1 3WL9 212-6AD□□-□□A1	1	1 unit	103	31.000
II	2500	... 100	B	3WL9 212-7AD□□-□□A1 3WL9 213-8AD□□-□□A1	1	1 unit	103	39.000
II	3200	... 100	B	3WL9 213-6AD□□-□□A1 3WL9 213-7AD□□-□□A1	1	1 unit	103	45.000
II	4000	... 100	B	3WL9 213-7AD□□-□□A1 3WL9 213-8AD□□-□□A1	1	1 unit	103	52.000
III	4000	... 100	B	3WL9 213-8AD□□-□□A1 3WL9 213-7AD□□-□□C1	1	1 unit	103	60.000
III	5000	... 100	B	3WL9 213-7AD□□-□□C1 3WL9 213-8AD□□-□□C1	1	1 unit	103	60.000
III	6300	... 100	B	3WL9 213-8AD□□-□□C1	1	1 unit	103	70.000
III	4000	... 150	B	3WL9 213-6AD□□-□□C1 3WL9 213-7AD□□-□□C1	1	1 unit	103	63.000
III	5000	... 150	B	3WL9 213-7AD□□-□□C1 3WL9 213-8AD□□-□□C1	1	1 unit	103	63.000
III	6300	... 150	B	3WL9 213-8AD□□-□□C1	1	1 unit	103	74.000
Main circuit connection connecting flanges								
I	1000	... 100	B	3WL9 211-1AE□□-□□A1 3WL9 211-2AE□□-□□A1	1	1 unit	103	25.000
I	1600	... 100	B	3WL9 212-3AE□□-□□A1 3WL9 212-4AE□□-□□A1	1	1 unit	103	25.000
II	2000	... 100	B	3WL9 212-5AE□□-□□A1 3WL9 212-6AE□□-□□A1	1	1 unit	103	31.000
II	2500	... 100	B	3WL9 212-7AE□□-□□A1 3WL9 213-8AE□□-□□A1	1	1 unit	103	39.000
II	3200	... 100	B	3WL9 213-6AE□□-□□A1 3WL9 213-7AE□□-□□A1	1	1 unit	103	45.000
III	4000	... 100	B	3WL9 213-7AE□□-□□A1 3WL9 213-8AE□□-□□A1	1	1 unit	103	52.000
III	4000	... 150	B	3WL9 213-6AE□□-□□C1 3WL9 213-7AE□□-□□C1	1	1 unit	103	60.000
III	5000	... 150	B	3WL9 213-7AE□□-□□C1 3WL9 213-8AE□□-□□C1	1	1 unit	103	63.000
III	6300	... 150	B	3WL9 213-8AE□□-□□C1	1	1 unit	103	63.000
Number of auxiliary supply connectors								
None				Order No. supplements		Add. price without		
1 connector				0		x		
2 connectors				1		x		
3 connectors				2		x		
4 connectors				3		x		
For required number of auxiliary supply connectors, see table on page 15/28				4		x		
Type of auxiliary circuit connections								
None				0		without		
With screw connections (SIGUT)				1		x		
With screwless connection method (tension spring)				2		x		
Position indicator switches								
None				0		without		
Option 1	Connected position 1 CO contacts, test position 1 CO contacts, disconnected position 1 CO contact			1		x		
Option 2	Connected position 3 CO contacts, test position 2 CO contacts, disconnected position 1 CO contact			2		x		
Shutters								
None				A		without		
With shutter,	Size I			B		x		
2-part,	Size II					x		
lockable	Size III					x		

x = additional price

For rated voltage 1000 V AC see page 15/28.

All other accessory parts must be ordered by specifying "-Z"
and the corresponding order code, see pages 15/23 to 15/27.

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

Accessories/spare parts

Size	Max. rated circuit breaker current $I_{n\ max.}$	Switching capacity I_{cu}	DT	Guide frames for 4-pole circuit breakers/ non-automatic air circuit breakers	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	A	kA		Order No. (Order No. supplements required according to table below)	Basic price per PU			kg
Front main circuit connection, single hole								
I	1000	... 100	B	3WL9 211-1BA□□-□□A1	1	1 unit	103	30.000
I	1600	... 100	B	3WL9 211-2BA□□-□□A1	1	1 unit	103	30.000
II	2000	... 100	B	3WL9 212-3BA□□-□□A1	1	1 unit	103	37.000
II	2500	... 100	B	3WL9 212-4BA□□-□□A1	1	1 unit	103	47.000
II	3200	... 100	B	3WL9 212-5BA□□-□□A1	1	1 unit	103	54.000
III	4000	... 100	B	3WL9 213-6BA□□-□□A1	1	1 unit	103	84.000
Front main circuit connection, double hole								
I	1000	... 100	B	3WL9 211-1BB□□-□□A1	1	1 unit	103	30.000
I	1600	... 100	B	3WL9 211-2BB□□-□□A1	1	1 unit	103	30.000
II	2000	... 100	B	3WL9 212-3BB□□-□□A1	1	1 unit	103	37.000
II	2500	... 100	B	3WL9 212-4BB□□-□□A1	1	1 unit	103	47.000
II	3200	... 100	B	3WL9 212-5BB□□-□□A1	1	1 unit	103	54.000
III	4000	... 100	B	3WL9 213-6BB□□-□□A1	1	1 unit	103	84.000
Horizontal main circuit connection								
I	1000	... 100	B	3WL9 211-1BC□□-□□A1	1	1 unit	103	30.000
I	1600	... 100	B	3WL9 211-2BC□□-□□A1	1	1 unit	103	30.000
II	2000	... 100	B	3WL9 212-3BC□□-□□A1	1	1 unit	103	37.000
II	2500	... 100	B	3WL9 212-4BC□□-□□A1	1	1 unit	103	47.000
II	3200	... 100	B	3WL9 212-5BC□□-□□A1	1	1 unit	103	54.000
III	4000	... 100	B	3WL9 213-6BC□□-□□A1	1	1 unit	103	84.000
III	5000	... 100	B	3WL9 213-7BC□□-□□A1	1	1 unit	103	84.000
III	4000	... 130	B	3WL9 213-6BC□□-□□C1	1	1 unit	103	87.000
III	5000	... 130	B	3WL9 213-7BC□□-□□C1	1	1 unit	103	87.000
Vertical main circuit connection								
I	1000	... 100	B	3WL9 211-1BD□□-□□A1	1	1 unit	103	30.000
I	1600	... 100	B	3WL9 211-2BD□□-□□A1	1	1 unit	103	30.000
II	2000	... 100	B	3WL9 212-3BD□□-□□A1	1	1 unit	103	37.000
II	2500	... 100	B	3WL9 212-4BD□□-□□A1	1	1 unit	103	47.000
II	3200	... 100	B	3WL9 212-5BD□□-□□A1	1	1 unit	103	54.000
II	4000	... 100	B	3WL9 212-6BD□□-□□A1	1	1 unit	103	62.000
III	4000	... 100	B	3WL9 213-6BD□□-□□A1	1	1 unit	103	84.000
III	5000	... 100	B	3WL9 213-7BD□□-□□A1	1	1 unit	103	84.000
III	6300	... 100	B	3WL9 213-8BD□□-□□A1	1	1 unit	103	119.000
III	4000	... 130	B	3WL9 213-6BD□□-□□C1	1	1 unit	103	88.000
III	5000	... 130	B	3WL9 213-7BD□□-□□C1	1	1 unit	103	88.000
III	6300	... 130	B	3WL9 213-8BD□□-□□C1	1	1 unit	103	124.000
Main circuit connection connecting flanges								
I	1000	... 100	B	3WL9 211-1BE□□-□□A1	1	1 unit	103	30.000
I	1600	... 100	B	3WL9 211-2BE□□-□□A1	1	1 unit	103	30.000
II	2000	... 100	B	3WL9 212-3BE□□-□□A1	1	1 unit	103	37.000
II	2500	... 100	B	3WL9 212-4BE□□-□□A1	1	1 unit	103	47.000
II	3200	... 100	B	3WL9 212-5BE□□-□□A1	1	1 unit	103	54.000
III	4000	... 100	B	3WL9 213-6BE□□-□□A1	1	1 unit	103	84.000
Number of auxiliary supply connectors								
None				Order No. supplements	0	Add. price without		
1 connector					1	x		
2 connectors					2	x		
3 connectors					3	x		
4 connectors					4	x		
For required number of auxiliary supply connectors, see table on page 15/28								
Type of auxiliary circuit connections								
None					0	without		
With screw connections (SIGUT)					1	x		
With screwless connection method (tension spring)					2	x		
Position indicator switches								
None					0	without		
Option 1	Connected position 1 CO contacts, test position 1 CO contacts, disconnected position 1 CO contact				1	x		
Option 2	Connected position 3 CO contacts, test position 2 CO contacts, disconnected position 1 CO contact				2	x		
Shutters								
None					A	without		
With shutter,	Size I				B			
2-part,	Size II					x		
lockable	Size III					x		

x = additional price

For rated voltage 1000 V AC see page 15/28.

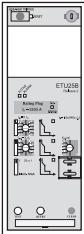
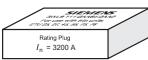
All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see pages 15/23 to 15/27.

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

Accessories/spare parts

	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Protective devices with device holder and optional measurement function¹⁾									
 3WL9 311-AA0-0AA1	Type	With protection function	Measurement function						
	ETU15B	LI	without	C 3WL9 311-5AA00-0AA2	1	1 unit	103	on req.	
	ETU25B	LSI	without	C 3WL9 312-5AA00-0AA2	1	1 unit	103	on req.	
	ETU27B	LSING	without	C 3WL9 312-7AA00-0AA2	1	1 unit	103	on req.	
	ETU45B (without display)	LSIN(G)	without with measurement function Plus	C 3WL9 314-5AA00-0AA2 B 3WL9 314-5AA20-0AA2	1 1	1 unit 1 unit	103 103	on req. on req.	
	ETU55B	LSIN(G)	without with measurement function Plus	C 3WL9 315-5AA00-0AA1 B 3WL9 315-5AA20-0AA1	1 1	1 unit 1 unit	103 103	0.720 0.720	
	ETU76B	LSIN(G)	without with measurement function Plus	C 3WL9 317-6AA00-0AA2 B 3WL9 317-6AA20-0AA2	1 1	1 unit 1 unit	103 103	on req. on req.	
Rated current modules / Rating plugs²⁾									
 3WL9 111-0AA64-0AA0	For size	Rated current I_n (A)							
	I, II	250	B 3WL9 111-0AA51-0AA0	1	1 unit	103	0.010		
		315	B 3WL9 111-0AA52-0AA0	1	1 unit	103	0.010		
		400	B 3WL9 111-0AA53-0AA0	1	1 unit	103	0.010		
		500	B 3WL9 111-0AA54-0AA0	1	1 unit	103	0.010		
		630	B 3WL9 111-0AA55-0AA0	1	1 unit	103	0.010		
		800	B 3WL9 111-0AA56-0AA0	1	1 unit	103	0.010		
	1000	B 3WL9 111-0AA57-0AA0	1	1 unit	103	0.010			
	I, II, III	1250	B 3WL9 111-0AA58-0AA0	1	1 unit	103	0.010		
		1600	B 3WL9 111-0AA61-0AA0	1	1 unit	103	0.010		
	II, III	2000	B 3WL9 111-0AA62-0AA0	1	1 unit	103	0.010		
		2500	B 3WL9 111-0AA63-0AA0	1	1 unit	103	0.010		
3200		B 3WL9 111-0AA64-0AA0	1	1 unit	103	0.010			
4000		B 3WL9 111-0AA65-0AA0	1	1 unit	103	0.010			
III	5000	B 3WL9 111-0AA66-0AA0	1	1 unit	103	0.010			
	6300	B 3WL9 111-0AA67-0AA0	1	1 unit	103	0.010			
Ground-fault modules³⁾									
 3WL9 111-0AT53-0AA0	GFM AT 45B (only for ETU45B) alarm and tripping	B 3WL9 111-0AT53-0AA0	1	1 unit	103	0.030			
	GFM AT 55B-76B (only for ETU55B, ETU76B) alarm and tripping	B 3WL9 111-0AT56-0AA0	1	1 unit	103	0.030			
Displays									
 3WL9 111-0AT81-0AA0	4-line displays for ETU45B	B 3WL9 111-0AT81-0AA0	1	1 unit	103	0.060			
Transformers for neutral conductor protection									
 3WL9 111-0AA2.-0AA0	Internal transformers for N conductors (nicht für ETU Release 2) Including wiring kit	Size I Size II Size III	B 3WL9 111-0AA11-0AA0 3WL9 111-0AA12-0AA0 3WL9 111-0AA13-0AA0	1 1 1	1 unit 1 unit 1 unit	103 103 103	0.200 0.280 0.500		
	 3WL9 111-0AA3.-0AA0	External transformers for N conductors (T5, see Technical Information LV 1 T, "Functions", "Measurement Method")	Size I Size II Size III	B 3WL9 111-0AA21-0AA0 3WL9 111-0AA22-0AA0 3WL9 111-0AA23-0AA0	1 1 1	1 unit 1 unit 1 unit	103 103 103	0.300 0.380 0.680	
		 3WL9 111-0AA3.-0AA0	External transformers for N conductors With copper connection pieces (T5, see Technical Information LV 1 T, "Functions", "Measurement Method")	Size I Size II Size III	B 3WL9 111-0AA31-0AA0 3WL9 111-0AA32-0AA0 3WL9 111-0AA33-0AA0	1 1 1	1 unit 1 unit 1 unit	103 103 103	1.600 4.260 8.500
 3WL9 111-0AA2.-0AA0			Internal transformers for N conductors für ETU Release 2 Including wiring kit	Size I Size II Size III	B 3WL9 111-0AA14-0AA0 3WL9 111-0AA15-0AA0 3WL9 111-0AA16-0AA0	1 1 1	1 unit 1 unit 1 unit	103 103 103	0.200 0.280 0.500
	EMC filters								
		EMC filters	not for ETU Release 2	X 3WL9 111-0AK32-0AA0	1	1 unit	103	on req.	
	Common-mode interference suppression filters (e.g. in IT networks, caused by frequency converters)	not for ETU Release 2	X 3WL9 111-0AK34-0AA0	1	1 unit	103	0.280		
	Insertion loss (asymmetric) in the range 40 kHz to 10 MHz >40 dB								

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

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

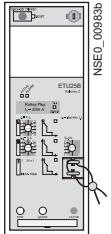
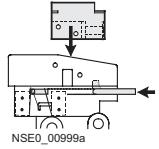
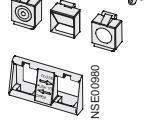
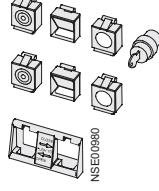
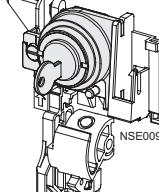
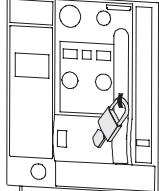
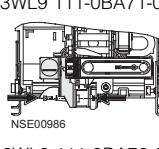
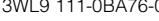
* You can order this quantity or a multiple thereof.

³⁾ For direct measurement of the ground-fault current, e.g. in the neutral point of the transformer, a 1200 A/1 A current transformer, class 1, is required. The internal load of the SENTRON 3WL 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.

3WL Air Circuit Breakers

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

Accessories/spare parts

	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Locking devices, operator control elements								
	Sealable covers For ETU15B to ETU55B For ETU76	B	3WL9 111-0AT45-0AA0 3WL9 111-0AT46-0AA0 3WL9 111-0AK21-0AA0		1 1 unit	103	0.050	1 1 unit
	Automatic reset of the lockout devices Spare part for option K01, see "-Z" + order code, page 15/24. Remote reset solenoids¹⁾ For mechanical tripped indicator 48 V DC Spare part for option K10 to K13, see "-Z" + order code, page 15/24. 120 V AC/125 V DC 220-240 V AC/220-250 V DC	B	3WL9 111-0AK03-0AA0 3WL9 111-0AK04-0AA0 3WL9 111-0AK05-0AA0 3WL9 111-0AK06-0AA0		1 1 unit	103	0.050	1 1 unit
	Retrofittable internal CubicleBUS wiring for connection to terminal X8 (without male connector²⁾) For ETU45B to ETU76B	B	3WL9 111-0AK30-0AA0		1 1 unit	103	0.150	1 1 unit
	Retrofittable internal wiring for connection of the external N- and G-transformers to terminal X8 (without male connector, not for ETU release 2)	D	3WL9 111-0AK31-0AA0		1 1 unit	103	0.020	1 1 unit
	Retrofittable internal wiring for connection of the external N- and G-transformers to terminal X8 for ETU release 2 (without male connector)	D	3WL9 111-0AK33-0AA0		1 1 unit	103	0.020	1 1 unit
Locking devices								
	Protective covers for mechanical ON/OFF Consisting of 2 transparent covers each for sealing or for attaching padlocks ⁴⁾ , cover with 6.35 mm hole (for tool actuation), lock mount for safety lock for key operation	Without safety lock Made by CES Made by IKON	3WL9 111-0BA21-0AA0 3WL9 111-0BA22-0AA0 3WL9 111-0BA24-0AA0		1 1 unit	103	0.100	1 1 unit
	Locking devices against unauthorized closing, in the operator panel The disconnector unit fulfills the requirements for main circuit breakers according to EN 60204 (VDE 0113) Spare part for option S01 to S09, see "-Z" + order code, page 15/26.	Assembly kit FORTRESS or CASTELL ³⁾ ■ Made by Ronis Made by KIRK-Key Made by Profalux Made by CES Made by IKON Assembly kit for padlocks ⁴⁾	3WL9 111-0BA31-0AA0 3WL9 111-0BA33-0AA0 3WL9 111-0BA34-0AA0 3WL9 111-0BA35-0AA0 3WL9 111-0BA36-0AA0 3WL9 111-0BA38-0AA0 3WL9 111-0BA41-0AA0		1 1 unit	103	0.200	1 1 unit
	Locking devices against unauthorized closing, for withdrawable circuit breakers The disconnector unit fulfills the requirements for main circuit breakers according to EN 60204 (VDE 0113) 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 15/26.	■ Made by CES Made by IKON Made by KIRK-Key Made by Ronis Made by Profalux	3WL9 111-0BA51-0AA0 3WL9 111-0BA53-0AA0 3WL9 111-0BA57-0AA0 3WL9 111-0BA58-0AA0 3WL9 111-0BA50-0AA0		1 1 unit	103	0.300	1 1 unit
	Locking devices for operating mechanism handle with padlock⁴⁾ Spare part for option S33, see "-Z" + order code, page 15/26.	B	3WL9 111-0BA71-0AA0		1 1 unit	103	0.080	1 1 unit
	Locking devices against movement of the withdrawable circuit breakers Safety lock for mounting on the circuit breaker. Spare part for option S71, S75, S76, see "-Z" + order code, page 15/26.	Made by CES Made by IKON Made by Profalux Made by Ronis ■ Made by KIRK-Key	3WL9 111-0BA73-0AA0 3WL9 111-0BA75-0AA0 3WL9 111-0BA76-0AA0 3WL9 111-0BA77-0AA0 3WL9 111-0BA80-0AA0		1 1 unit	103	0.300	1 1 unit
	Interlocking systems 2 of the same keys for 3 switches, Locking device OFF position, Key-operated switch on operator panel. A maximum of 2 switches can be switched on.	Made by CES	3WL9 111-0BA43-0AA0		1 1 unit	103	0.360	1 1 unit

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

²⁾ Required if communication is retrofitted.

³⁾ Locks must be ordered from the manufacturer.

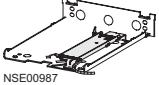
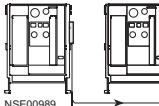
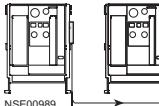
⁴⁾ Padlock not included in the scope of supply.

■ Start of delivery on request.

3WL Air Circuit Breakers

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

Accessories/spare parts

	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Locking mechanisms									
	 NSE00987	To prevent movement of the withdrawable circuit breakers in disconnected positions, consisting of Bowden wire and lock in the cabinet door	Made by CES Made by IKON Made by Profalux Made by Ronis	B 3WL9 111-0BA81-0AA0 3WL9 111-0BA83-0AA0 3WL9 111-0BA85-0AA0 3WL9 111-0BA86-0AA0		1 1 1 1	1 unit 1 unit 1 unit 1 unit	103 103 103 103	0.800 0.800 0.800 0.800
3WL9 111-0BA83-0AA0	Spare part for option R81, R85, R86 , see "-Z" + order code, page 15/26 .								
	 NSE00988	To prevent opening of the cabinet door in ON position (can be defeated)	Fixed mounting	B 3WL9 111-0BB12-0AA0		1	1 unit	103	on req.
3WL9 111-0BB12-0AA0	Spare part for option S30 , see "-Z" + order code, page 15/26 .								
	 NSE00989	To prevent opening of the cabinet door (can be defeated)	Guide frames	B 3WL9 111-0BB13-0AA0		1	1 unit	103	0.150
3WL9 111-0BB13-0AA0	Spare part for option R30 , see "-Z" + order code, page 15/26 .								
	 NSE00989	To prevent movement with the cabinet door open	Guide frames	B 3WL9 111-0BB15-0AA0		1	1 unit	103	on req.
3WL9 111-0BB15-0AA0	Spare part for option R50 , see "-Z" + order code, page 15/26 .								
Interlocks									
	 NSE00989	Mutual mechanical interlocking , with 2000 mm Bowden wire (one required for each circuit breaker)	Fixed-mounted circuit breaker Spare part for option S55 , see "-Z" + order code, page 15/25 .	B 3WL9 111-0BB21-0AA0		1	1 unit	103	2.700
3WL9 111-0BB21-0AA0			Module for withdrawable circuit breaker with frame Spare part for option R55 , see "-Z" + order code, page 15/25 .	B 3WL9 111-0BB24-0AA0		1	1 unit	103	1.130
			<u>When ordered separately</u> Module for guide frame Spare part for option R56 , see "-Z" + order code, page 15/25 .	B 3WL9 111-0BB22-0AA0		1	1 unit	103	1.100
			Module for withdrawable circuit breaker Spare part for option R57 , see "-Z" + order code, page 15/25 .	B 3WL9 111-0BB23-0AA0		1	1 unit	103	0.150
			Adapter for size III Withdrawable circuit breaker	B 3WL9 111-0BB30-0AA0		1	1 unit	103	on req.
	 NSE0_01886	Couplings on the circuit breaker (with ring) for mutual interlocking Can be used in all circuit breakers		B 3WL9 112-8AH47-0AA0		1	1 unit	103	0.160
3WL9 112-8AH47-0AA0									
	Bowden wires	2000 mm 3000 mm 4500 mm	B 3WL9 111-0BB45-0AA0 3WL9 111-0BB46-0AA0 3WL9 111-0BB47-0AA0			1 1 1	1 unit 1 unit 1 unit	103 103 103	0.150 0.220 0.360

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

Accessories/spare parts

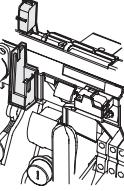
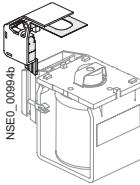
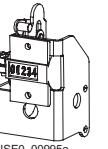
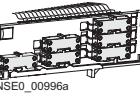
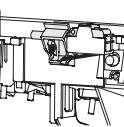
	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Test devices								
	Manual testers release 2 for electronic trip units ETU15B to ETU76B¹⁾ For testing the electronic trip unit functions	B	3WL9 111-0AT32-0AA0			1	1 unit	103 1.100
	Function testers For testing the tripping characteristics for electronic trip unit ETU15B to ETU76B	X	3WL9 111-0AT44-0AA0			1	1 unit	103 8.210
Capacitor storage devices								
Capacitor storage devices For shunt trip unit	Rated control supply voltage/ rated operational voltage							
Storage time 5 min	AC 50/60 Hz V	V DC						
Rated control supply voltage must match the rated control supply voltage of the shunt trip unit	110 ... 127	110 ... 115	B	3WL9 111-0BA13-0AA0		1	1 unit	103 0.380
	220 ... 240	220 ... 250	B	3WL9 111-0BA14-0AA0		1	1 unit	103 0.520
Suitable also for 3VL and 3WN circuit breakers								

¹⁾ The testing of converters is not possible for use of the ETU55B and the options "F30", "Protection of the N conductor under single-pole load", "F31" and 3WL9 111-0AK32 "EMC filter".

3WL Air Circuit Breakers

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

Accessories/spare parts

Designation	DT	Order No.	Price per PU	PU (UNIT SET, M)	PS*	PG	Weight per PU approx. kg
Indicators, control elements							
 NSE0_00993a	B	3WL9 111-0AH01-0AA0			1	1 unit	103 0.020
3WL9 111-0AH01-0AA0	B	3WL9 111-0AH02-0AA0			1	1 unit	103 0.020
 NSE0_00994b	B	3WL9 111-0AH14-0AA0			1	1 unit	103 0.080
3WL9 111-0AH02-0AA0	B	3WL9 111-0AH07-0AA0			1	1 unit	103 0.100
 NSE0_00995a	B	3WL9 111-0AH08-0AA0			1	1 unit	103 0.030
3WL9 111-0AH07-0AA0	B	3WL9 111-0AH11-0AA0			1	1 unit	103 0.200
 NSE0_00996a	B	3WL9 111-0AH12-0AA0			1	1 unit	103 0.400
3WL9 111-0AH12-0AA0	B	3WL9 111-0AJ02-0AA0			1	1 unit	103 0.150
 NSE0_00997a	B	3WL9 111-0AJ03-0AA0			1	1 unit	103 0.140
3WL9 111-0AJ0-0AA0	B	3WL9 111-0AJ04-0AA0			1	1 unit	103 0.140
 NSE0_00985	B	3WL9 111-0AJ05-0AA0			1	1 unit	103 0.140
3WL9 111-0BA72-0AA0	B	3WL9 111-0AJ06-0AA0			1	1 unit	103 0.100
EMERGENCY-STOP pushbuttons Mushroom pushbutton instead of the mechanical OFF pushbutton	B	3WL9 111-0BA72-0AA0			1	1 unit	103 0.080

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

²⁾ X7 manual connector required for circuit breakers or guide frames. If this is not already available, please order additionally (see pages 15/28 and 15/36).

³⁾ Only in conjunction with motorized operating mechanism.

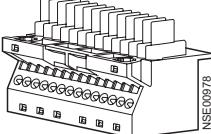
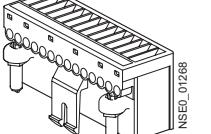
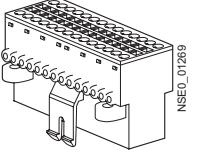
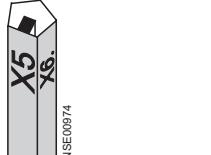
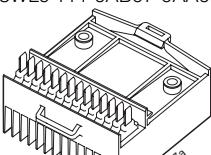
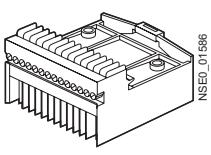
⁴⁾ Not possible with motor shutdown switch.

⁵⁾ Not possible with electrical ON button.

3WL Air Circuit Breakers

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

Accessories/spare parts

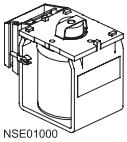
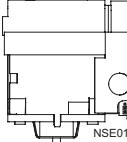
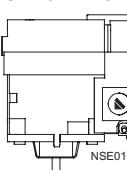
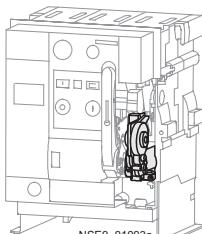
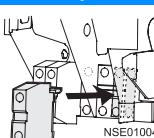
	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Auxiliary conductor connections								
	Male connectors for circuit breakers	B	3WL9 111-0AB01-0AA0			1	1 unit	103 0.100
 3WL9 111-0AB01-0AA0 NSE0978	Extension for the 1000 V male connector versions (male connector must be ordered separately)	B	3WL9 111-0AB02-0AA0			1	1 unit	103 on req.
	Male connectors for extension for 1000 V	B	3WL9 111-0AB10-0AA0			1	1 unit	103 1.000
 3WL9 111-0AB03-0AA0 NSE0_01268	Auxiliary supply connectors for circuit breakers or guide frames	Screw connection (SIGUT) Screwless connection method (tension spring)	B 3WL9 111-0AB03-0AA0 3WL9 111-0AB04-0AA0			1	1 unit	103 0.070
 3WL9 111-0AB04-0AA0 NSE0_01269	Coding kits For fixed-mounted version (X5 to X8)	B	3WL9 111-0AB07-0AA0			1	1 unit	103 0.020
 3WL9 111-0AB07-0AA0 NSE0974	Sliding contact modules for guide frames	B	3WL9 111-0AB08-0AA0			1	1 unit	103 0.100
 3WL9 111-0AB08-0AA0 NSE0_00977a	One-part sliding contact modules for guide frames	Screw connection (SIGUT)	B 3WL9 111-0AB18-0AA0			1	1 unit	103 0.120
 3WL9 111-0AB18-0AA0 NSE0_01586	Blanking blocks for circuit breakers	B	3WL9 111-0AB12-0AA0			1	1 unit	103 0.030

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

Accessories/spare parts

	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Auxiliary trip units								
	Closing solenoids/shunt trip units							
 NSE01000 3WL9 111-0AD06-0AA0	24 V DC 100 % ON period	B	3WL9 111-0AD01-0AA0			1	1 unit	103 0.700
	30 V DC	B	3WL9 111-0AD02-0AA0			1	1 unit	103 0.700
	48 V DC	B	3WL9 111-0AD03-0AA0			1	1 unit	103 0.700
	60 V DC	B	3WL9 111-0AD04-0AA0			1	1 unit	103 0.700
	110 ... 125 V DC/110 V AC	B	3WL9 111-0AD05-0AA0			1	1 unit	103 0.700
	220 V DC/230 V AC	B	3WL9 111-0AD06-0AA0			1	1 unit	103 0.700
 NSE01001 3WL9 111-0AD14-0AA0	24 V DC 5 % ON period	B	3WL9 111-0AD11-0AA0			1	1 unit	103 0.700
	48 V DC	B	3WL9 111-0AD12-0AA0			1	1 unit	103 0.700
	110 ... 125 V DC/110 ... 127 V AC	B	3WL9 111-0AD13-0AA0			1	1 unit	103 0.700
	220 ... 250 V DC/208 ... 240 V AC	B	3WL9 111-0AD14-0AA0			1	1 unit	103 1.800
Undervoltage trip units								
	Instantaneous							
 NSE01002 3WL9 111-0AE0-0AA0	24 V DC	B	3WL9 111-0AE01-0AA0			1	1 unit	103 0.730
	30 V DC	B	3WL9 111-0AE02-0AA0			1	1 unit	103 0.730
	48 V DC	B	3WL9 111-0AE03-0AA0			1	1 unit	103 0.730
	60 V DC	B	3WL9 111-0AE07-0AA0			1	1 unit	103 0.730
	110 ... 125 V DC/110 ... 127 V AC	B	3WL9 111-0AE04-0AA0			1	1 unit	103 0.730
	220 ... 250 V DC/208 ... 240 V AC	B	3WL9 111-0AE05-0AA0			1	1 unit	103 0.730
	380 ... 415 V AC	B	3WL9 111-0AE06-0AA0			1	1 unit	103 0.730
	Delayed							
	48 V DC	B	3WL9 111-0AE11-0AA0			1	1 unit	103 0.740
	110 ... 125 V DC/110 ... 127 V AC	B	3WL9 111-0AE12-0AA0			1	1 unit	103 0.740
	220 ... 250 V DC/208 ... 240 V AC	B	3WL9 111-0AE13-0AA0			1	1 unit	103 0.740
	380 ... 415 V AC	B	3WL9 111-0AE14-0AA0			1	1 unit	103 0.740
Operating mechanisms								
	Motorized operating mechanisms¹⁾							
 NSE0_01003a 3WL9 111-0AF0-0AA0	24 ... 30 V DC	B	3WL9 111-0AF01-0AA0			1	1 unit	103 1.510
	48 ... 60 V DC	B	3WL9 111-0AF02-0AA0			1	1 unit	103 1.510
	110 ... 125 V DC/110 ... 127 V AC	B	3WL9 111-0AF03-0AA0			1	1 unit	103 1.510
	220 ... 250 V DC/208 ... 240 V AC	B	3WL9 111-0AF04-0AA0			1	1 unit	103 1.510
Auxiliary contacts								
	Auxiliary switch blocks							
 NSE01004 3WL9 111-0AG03-0AA0	2 NO + 2 NC	B	3WL9 111-0AG01-0AA0			1	1 unit	103 0.180
	2 NO	B	3WL9 111-0AG02-0AA0			1	1 unit	103 0.080
	1 NO + 1 NC	B	3WL9 111-0AG03-0AA0			1	1 unit	103 0.070

¹⁾ X7 manual connector required for circuit breakers or guide frames.
If this is not already available, please order additionally
(see pages 15/28 and 15/36).

3WL Air Circuit Breakers

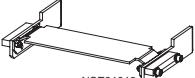
3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC)

Accessories/spare parts

	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Door sealing frames, covers, shutters								
	Door sealing frames Spare part for option T40 , see "-Z" + order code, page 15/23 .	B	3WL9 111-0AP01-0AA0			1	1 unit	103 0.360
	Protective covers, IP55 Cannot be used in conjunction with door sealing frames, cover removable and can be opened on both sides	B	3WL9 111-0AP02-0AA0			1	1 unit	103 1.600
Shutters Spare part for option R21 , see "-Z" + order code, page 15/25 .								
3WL9 111-0AP02-0AA0	3-pole	Size I	3WL9 111-0AP04-0AA0			1	1 unit	103 0.500
		Size II	3WL9 111-0AP06-0AA0			1	1 unit	103 0.630
		Size III	3WL9 111-0AP07-0AA0			1	1 unit	103 0.860
3WL9 111-0AP0.-0AA0	4-pole	Size I	3WL9 111-0AP08-0AA0			1	1 unit	103 0.600
		Size II	3WL9 111-0AP11-0AA0			1	1 unit	103 0.770
		Size III	3WL9 111-0AP12-0AA0			1	1 unit	103 1.070
Arc chutes								
3WL9 111-0AS0.-0AA0	Arc chutes 690 V	Size I	3WL9 111-0AS01-0AA0			1	1 unit	103 1.110
		Size II	3WL9 111-0AS02-0AA0			1	1 unit	103 1.680
		Size III	3WL9 111-0AS03-0AA0			1	1 unit	103 2.980
3WL9 111-0AS3.-0AA0	1000 V	Size II	3WL9 111-0AS05-0AA0			1	1 unit	103 3.140
		Size III	3WL9 111-0AS06-0AA0			1	1 unit	103 5.620
Arc chute covers¹⁾ Parts kit for guide frame Spare part for option R10 , see "-Z" + order code, page 15/25 .								
3WL9 111-0AR12-0AA0	3-pole	Size I	3WL9 111-0AS32-0AA0			1	1 unit	103 1.850
		Size II	3WL9 111-0AS36-0AA0			1	1 unit	103 2.600
		Size III	3WL9 111-0AS38-0AA0			1	1 unit	103 4.050
	4-pole	Size I	3WL9 111-0AS42-0AA0			1	1 unit	103 2.340
		Size II	3WL9 111-0AS44-0AA0			1	1 unit	103 3.300
		Size III	3WL9 111-0AS46-0AA0			1	1 unit	103 5.210
Withdrawable part coding								
3WL9 111-0AR12-0AA0	Withdrawable part coding By customer, for 36 coding variants	B	3WL9 111-0AR12-0AA0			1	1 unit	103 0.400

¹⁾ Not available for 1000 V version, DC version and size II with rated circuit breaker current of 4000 A.

3WL Air Circuit Breakers**3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC)****Accessories/spare parts**

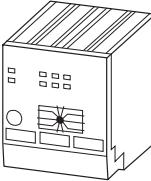
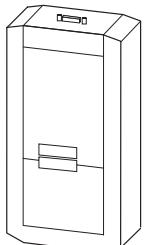
	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Ground-fault protection								
	Ground-fault protection between the guide frame and the withdrawable circuit breakers For 30 kA ground short-circuit current ¹⁾ Contact module for guide frame							
NSE0 01018a 3WL9 111-0BA02-0AA0	Size I, II	B	3WL9 111-0BA01-0AA0			1	1 unit	103 0.330
	Size III	B	3WL9 111-0BA02-0AA0			1	1 unit	103 0.350
Contact modules for withdrawable circuit breakers								
	3-pole	Size I	3WL9 111-0BA05-0AA0			1	1 unit	103 1.250
NSE01019		Size II	3WL9 111-0BA06-0AA0			1	1 unit	103 1.530
3WL9 111-0BA07-0AA0		Size III	3WL9 111-0BA07-0AA0			1	1 unit	103 2.270
	4-pole	Size I	3WL9 111-0BA08-0AA0			1	1 unit	103 1.500
		Size II	3WL9 111-0BA04-0AA0			1	1 unit	103 1.850
		Size III	3WL9 111-0BA10-0AA0			1	1 unit	103 2.950
Support brackets								
	Support brackets For mounting fixed-mounted circuit breakers on vertical plane, only for sizes I and II (1 set = 2 units)	B	3WL9 111-0BB50-0AA0			1	1 unit	103 7.000
3WL9 111-0BB50-0AA0								

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

3WL Air Circuit Breakers

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

Accessories/spare parts

	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
CubicleBUS modules¹⁾								
	Digital output modules with rotary coding switch, relay outputs	B	3WL9 111-0AT26-0AA0		1	1 unit	103	0.240
NSE0_01023a	Digital output modules, configurable, relay outputs	B	3WL9 111-0AT20-0AA0		1	1 unit	103	0.310
3WL9 111-0AT23-0AA0	Digital input modules	B	3WL9 111-0AT27-0AA0		1	1 unit	103	0.240
	Analog output modules	B	3WL9 111-0AT23-0AA0		1	1 unit	103	0.240
	Zone Selective Interlocking modules	B	3WL9 111-0AT21-0AA0		1	1 unit	103	0.240
Parameterization systems								
	Breaker Data Adapter (BDA) Parameterization, operation, monitoring and diagnostics of SENTRON circuit breakers using the local interface; Breaker Data Adapter, connection cable to the SENTRON 3WL 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	B	3WL9 111-0AT28-0AA0		1	1 unit	103	0.900
3WL9 111-0AT28-0AA0	BDA Plus Same as BDA, but with additional Ethernet interface for connection to Ethernet/Intranet/Internet	B	3WL9 111-0AT33-0AA0		1	1 unit	103	on req.
	Connection cables for BDA Plus Connection cable for connection of BDA Plus to terminal X8 of the SENTRON 3WL circuit breaker. Required if neither COM15 nor COM16 nor other external CubicleBUS modules are available, length 2 m.	B	3WL9 111-0BC21-0AA0		1	1 unit	103	on req.
	Switch ES Power parameterization software Calibration, operation, monitoring, and diagnostics of SENTRON circuit breakers via PROFIBUS DP; runs under Windows 95, Windows 98, Windows NT, Windows 2000 and Windows XP Professional, requires additional PROFIBUS card e.g. CP5613	A	3ZS2 311-0CC10-0YA0		1	1 unit	133	on req.
Accessories for communications								
Preassembled cables for CubicleBUS modules	0.2 m long, for connection to SENTRON 3WL with COM15/COM16	B	3WL9 111-0BC04-0AA0		1	1 unit	103	on req.
	1 m long, for connection to SENTRON 3WL with COM15/COM16	B	3WL9 111-0BC02-0AA0		1	1 unit	103	0.050
	2 m long, for connection to SENTRON 3WL with COM15/COM16	B	3WL9 111-0BC03-0AA0		1	1 unit	103	0.060
	2 m long, for connection to SENTRON 3WL without COM15/COM16	B	3WL9 111-0BC05-0AA0		1	1 unit	103	on req.
SENTRON manuals for communication solutions²⁾	Detailed description of the communication functions for SENTRON circuit breakers with PROFIBUS DP. Installation, connection, commissioning and description of Switch ES Power and BDA. German Token fee 20.— English Token fee 20.— Free download from: http://www.siemens.com/lowvoltage/manuals			E20001-A210-P307 E20001-A210-P307-X-7600				
Voltage transformers, 3-pole, for SENTRON 3WL with measurement function Plus	380 ... 690 V/100 V, class 0.5	B	3WL9 111-0BB68-0AA0		1	1 unit	103	2.600

All communication components, CubicleBUS modules and measurement functions are available for the ETU45B, ETU55B and ETU76B trip units.

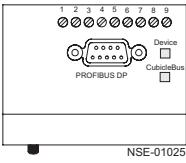
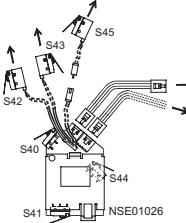
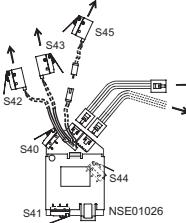
¹⁾ Each CubicleBUS module is supplied with a 0.2 m factory-fitted cable to connect the modules with each other. A longer factory-fitted cable is required for connection to the circuit breaker.

²⁾ Manual for MODBUS communication solution available on request.

3WL Air Circuit Breakers

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

Accessories/spare parts

	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Retrofitting and spare parts								
	PROFIBUS retrofit kits	B	3WL9 111-0AT12-0AA0			1	1 unit	103 0.260
3WL9 111-0AT15-0AA0	COM15 PROFIBUS module	B	3WL9 111-0AT15-0AA0			1	1 unit	103 0.140
	MODBUS retrofit kits	B	3WL9 111-0AT14-0AA0			1	1 unit	103 on req.
3WL9 111-0AT16-0AA0	COM16 MODBUS modules	B	3WL9 111-0AT17-0AA0			1	1 unit	103 0.140
	Breaker status sensor (BSS)	B	3WL9 111-0AT16-0AA0			1	1 unit	103 0.120
NSE-01025	Measurement function Plus	B	3WL9 111-0AT03-0AA0			1	1 unit	103 0.250
NSE-01026	Measurement function Plus	B	3WL9 111-0AT04-0AA0			1	1 unit	103 0.250

3WL9 111-0AT16-0AA0

All communication components, **Cubicle**BUS modules and measurement functions are available for the ETU45B, ETU55B and ETU76B trip units.

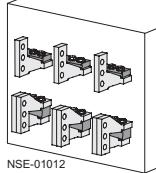
3WL Air Circuit Breakers

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

Accessories/spare parts

	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Main circuit connections, fixed mounting (essential accessory)								
3WL9 111-0AL06-0AA0	Specified for each connection							
	Front-accessible main circuit connections, single hole at top							
	Size I, up to 1000 A	B	3WL9 111-0AL01-0AA0			1	1 unit	103 1.100
	Size I, 1250 ... 1600 A	B	3WL9 111-0AL02-0AA0			1	1 unit	103 1.600
	Size II, up to 2000 A	B	3WL9 111-0AL03-0AA0			1	1 unit	103 2.000
	Size II, up to 2500 A	B	3WL9 111-0AL04-0AA0			1	1 unit	103 3.600
	Size II, up to 3200 A	B	3WL9 111-0AL05-0AA0			1	1 unit	103 3.500
	Size III, up to 4000 A	B	3WL9 111-0AL06-0AA0			1	1 unit	103 6.100
3WL9 111-0AL56-0AA0								
	Front-accessible main circuit connections, single hole at bottom							
	Size I, up to 1000 A	B	3WL9 111-0AL51-0AA0			1	1 unit	103 1.000
	Size I, 1250 ... 1600 A	B	3WL9 111-0AL52-0AA0			1	1 unit	103 1.300
	Size II, up to 2000 A	B	3WL9 111-0AL53-0AA0			1	1 unit	103 1.800
	Size II, up to 2500 A	B	3WL9 111-0AL54-0AA0			1	1 unit	103 3.100
	Size II, up to 3200 A	B	3WL9 111-0AL55-0AA0			1	1 unit	103 3.000
	Size III, up to 4000 A	B	3WL9 111-0AL56-0AA0			1	1 unit	103 5.200
3WL9 111-0AL14-0AA0								
	Front-accessible main circuit connections, according to DIN 43673, double hole at top							
	Size I, up to 1000 A	B	3WL9 111-0AL07-0AA0			1	1 unit	103 1.400
	Size I, 1250 ... 1600 A	B	3WL9 111-0AL08-0AA0			1	1 unit	103 2.000
	Size II, up to 2000 A	B	3WL9 111-0AL11-0AA0			1	1 unit	103 2.400
	Size II, up to 2500 A	B	3WL9 111-0AL12-0AA0			1	1 unit	103 4.500
	Size II, up to 3200 A	B	3WL9 111-0AL13-0AA0			1	1 unit	103 4.400
	Size III, up to 4000 A	B	3WL9 111-0AL14-0AA0			1	1 unit	103 7.800
3WL9 111-0AL64-0AA0								
	Front-accessible main circuit connections, according to DIN 43673, double hole at bottom							
	Size I, up to 1000 A	B	3WL9 111-0AL57-0AA0			1	1 unit	103 1.300
	Size I, 1250 ... 1600 A	B	3WL9 111-0AL58-0AA0			1	1 unit	103 1.700
	Size II, up to 2000 A	B	3WL9 111-0AL61-0AA0			1	1 unit	103 2.000
	Size II, up to 2500 A	B	3WL9 111-0AL62-0AA0			1	1 unit	103 3.700
	Size II, up to 3200 A	B	3WL9 111-0AL63-0AA0			1	1 unit	103 3.600
	Size III, up to 4000 A	B	3WL9 111-0AL64-0AA0			1	1 unit	103 6.400
	Rear vertical main circuit connections							
	Size I ¹⁾ , up to 1600 A	B	3WL9 111-0AM01-0AA0			1	1 unit	103 0.500
	Size II ²⁾ , up to 3200 A	B	3WL9 111-0AM02-0AA0			1	1 unit	103 2.200
	Size III, up to 6300 A	B	3WL9 111-0AM03-0AA0			1	1 unit	103 5.000

3WL9 111-0AM03-0AA0



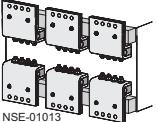
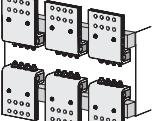
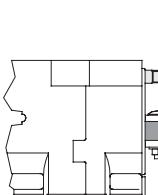
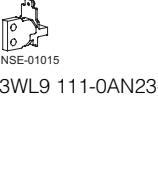
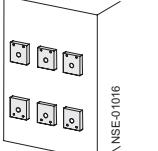
1) In the case of vertical connection size I, up to 1000 A one 3WL9 111-0AM01-0AA0 vertical connection is required, up to 1600 A two 3WL9 111-0AM01-0AA0 vertical connections are required.

2) In the case of vertical connection size II, up to 2500 A one 3WL9 111-0AM02-0AA0 vertical connection is required, up to 3200 A two 3WL9 111-0AM02-0AA0 vertical connections are required.

3WL Air Circuit Breakers

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

Accessories/spare parts

Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
Main circuit connections, withdrawable versions (essential accessory)								
Specified for each connection								
 3WL9 111-0AN06-0AA0 NSE-01013	Front-accessible main circuit connections, single hole at top or bottom	Size I, up to 1000 A Size I, 1250 ... 1600 A Size II, up to 2000 A Size II, up to 2500 A Size II, up to 3200 A Size III, up to 4000 A	B	3WL9 111-0AN01-0AA0 3WL9 111-0AN02-0AA0 3WL9 111-0AN03-0AA0 3WL9 111-0AN04-0AA0 3WL9 111-0AN05-0AA0 3WL9 111-0AN06-0AA0	1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	1.000 1.300 1.800 3.100 3.000 5.200
 3WL9 111-0AN14-0AA0 NSE-01014	Front-accessible main circuit connections, according to DIN 43673, double hole at top or bottom	Size I, up to 1000 A Size I, 1250 ... 1600 A Size II, up to 2000 A Size II, up to 2500 A Size II, up to 3200 A Size III, up to 4000 A	B	3WL9 111-0AN07-0AA0 3WL9 111-0AN08-0AA0 3WL9 111-0AN11-0AA0 3WL9 111-0AN12-0AA0 3WL9 111-0AN13-0AA0 3WL9 111-0AN14-0AA0	1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	1.300 1.700 2.000 3.700 3.600 6.400
Supports for front and DIN connecting bars								
 3WL9 111-0AN41-0AA0 NSE-01017	Rear vertical main circuit connections	3-pole for 3 bars Size I Size II Size III 4-pole for 4 bars Size I Size II Size III	B	3WL9 111-0AN41-0AA0 3WL9 111-0AN42-0AA0 3WL9 111-0AN43-0AA0 3WL9 111-0AN44-0AA0 3WL9 111-0AN45-0AA0 3WL9 111-0AN46-0AA0	1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	0.700 on req. on req. on req. on req. 3.200
 3WL9 111-0AN23-0AA0 NSE-01015	Rear horizontal circuit connections	Size I, up to 1000 A Size I, 1250 ... 1600 A Size II, up to 2000 A Size II, up to 2500 A Size II, up to 3200 A Size III, up to 5000 A Size III, up to 6300 A (3 busbar connection pieces for 3-pole circuit breakers) Size III, up to 6300 A (4 busbar connection pieces for 4-pole circuit breakers) Size III, up to 6300 A (4 busbar connection pieces for 4-pole circuit breakers)	B	3WL9 111-0AN15-0AA0 3WL9 111-0AN16-0AA0 3WL9 111-0AN17-0AA0 3WL9 111-0AN18-0AA0 3WL9 111-0AN21-0AA0 3WL9 111-0AN22-0AA0 3WL9 111-0AN23-0AA0 3WL9 111-0AN20-0AA0 3WL9 111-0AN10-0AA0	1 1 1 1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103 103 103 103	0.660 0.870 1.150 1.490 2.580 6.380 6.380 on req.
 3WL9 111-0AN24-0AA0 NSE-01016	Connecting flanges	Size I, up to 1000 A Size I, 1250 ... 1600 A Size II, up to 2000 A Size II, up to 2500 A Size II, up to 3200 A Size III, up to 5000 A	B	3WL9 111-0AN24-0AA0 3WL9 111-0AN25-0AA0 3WL9 111-0AN26-0AA0 3WL9 111-0AN27-0AA0 3WL9 111-0AN28-0AA0 3WL9 111-0AN31-0AA0	1 1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit	103 103 103 103 103 103	0.610 0.640 0.980 1.020 1.240 2.170 3.860 2.370

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

3WL Air Circuit Breakers

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

Accessories/spare parts

	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
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Conversion sets

For converting fixed-mounted circuit breakers into withdrawable circuit breakers

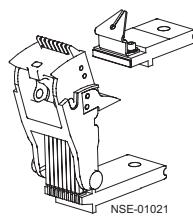
Guide frames and sliding contact modules must be ordered separately.

Number of poles	Size							
3-pole	I	B	3WL9 111-0BC11-0AA0			1	1 unit	103 5.100
	II	B	3WL9 111-0BC12-0AA0			1	1 unit	103 5.900
	III	B	3WL9 111-0BC13-0AA0			1	1 unit	103 8.100
4-pole	I	B	3WL9 111-0BC14-0AA0			1	1 unit	103 6.400
	II	B	3WL9 111-0BC15-0AA0			1	1 unit	103 on req.
	III	B	3WL9 111-0BC16-0AA0			1	1 unit	103 on req.

Main contact elements

You must specify the circuit breaker ID No. when ordering!

Specified for each connection (depending on the number of poles on the circuit breaker, order 3 or 4 units)



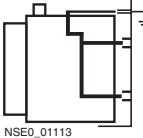
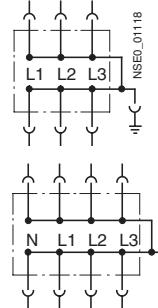
Sizes	$I_{n \max}$		Order No. is automatically adapted to the circuit breaker ID number					
I	Up to 1600 A	B	3WL9 111-0AM90 L1Y¹⁾			1	1 unit	103 on req.
II	Up to 2500 A	B	3WL9 111-0AM91 L1Y¹⁾			1	1 unit	103 on req.
II	Up to 4000 A	B	3WL9 111-0AM92 L1Y¹⁾			1	1 unit	103 on req.
III	Up to 6300 A	B	3WL9 111-0AM93 L1Y¹⁾			1	1 unit	103 on req.

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

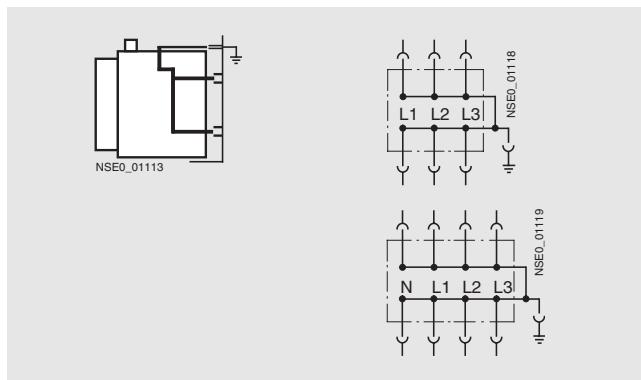
3WL Air Circuit Breakers

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

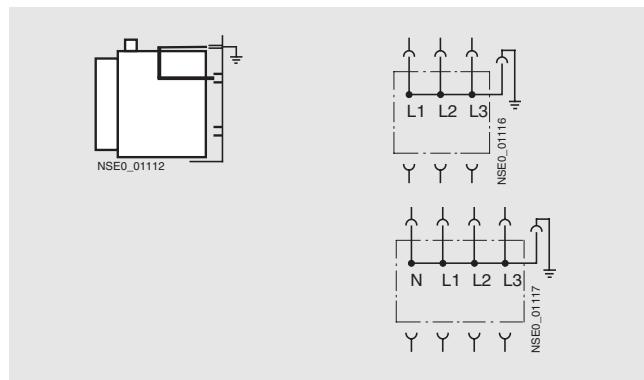
Accessories/spare parts

Schematics in as-supplied state	Version	Size	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Withdrawable short-circuits, grounding and bridging units									
	Top and bottom parts of system are short-circuited and grounded	3-pole	C	3WL9 111-0BD01-0AA0			1	1 unit	103 on req.
		up to 1600 A I	C	3WL9 111-0BD03-0AA0			1	1 unit	103 40.500
		up to 3200 A II	C	3WL9 111-0BD05-0AA0			1	1 unit	103 on req.
		4-pole	C	3WL9 111-0BD02-0AA0			1	1 unit	103 on req.
		up to 1600 A I	C	3WL9 111-0BD04-0AA0			1	1 unit	103 on req.
		up to 3200 A II	C	3WL9 111-0BD06-0AA0			1	1 unit	103 on req.
		up to 6300 A III							

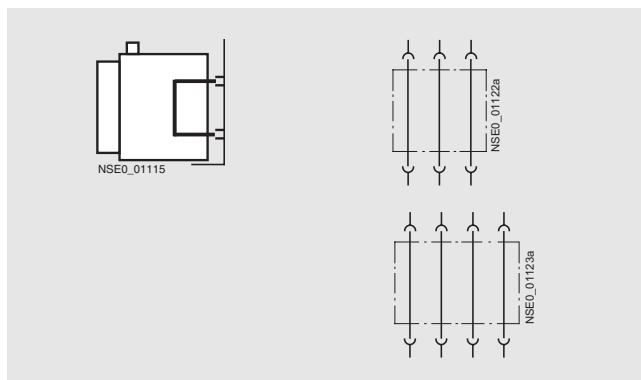
Conversion for the following applications is possible



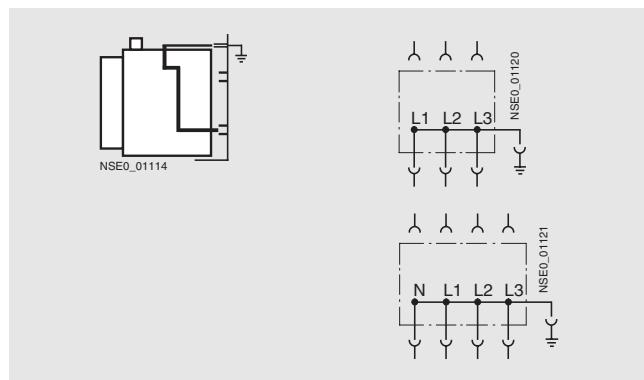
Top and bottom part of system are short-circuited and grounded
(as-supplied state)



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



Withdrawable bridging unit, incoming and outgoing terminal are permanently connected to each other



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

3WL Air Circuit Breakers

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

Accessories/spare parts

Options

Structure of the Order No.

Example

5th position:	Size	Size II	3WL1 2 2 0 - 4 N G 3 1 - 1 F A 2
6th and 7th positions:	Max. rated circuit breaker current $I_{n \max}$	$I_{n \max} = 2000 \text{ A}$	2 0
8th position:	Switching capacity class	High breaking capacity "H": 100 kA	4
9th position:	Electronic trip units	ETU76B with pixel graphics display ...	N
10. position:	Electronic trip unit supplement	... with ground-fault protection	G
11th position:	Number of poles	3-pole	3
12th position:	Installation type	Fixed mounting, main circuit connections on rear, vertical	1
13th position:	Operating mechanism	Manual operating mechanism with mechanical closing	1
14th position:	1st auxiliary switch	Shunt trip unit AC 50/60 Hz 110 V	F
15th position:	2nd auxiliary switch	Without 2nd auxiliary trip unit	A
16th position:	Auxiliary switch	2 NO + 2 NC	2

An important prerequisite for computer-based order processing is that order 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 Ordering Order confirmation Handling warehouse products Order processing at the supply bases Delivery and shipment
- Reporting and planning
- Service and warranty

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

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

The example opposite explains the various positions within an Order 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 connection "Standard" + Breaker Status Sensor (BSS) + communications 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 Order No. is sufficient.

Accessories: for retrofitting (components for subsequent fitting)

Example

3WL9 **1** **1** **1** - **0** **B** **A** **2** **1** - **0** **A** **A** **0**

Protective cover 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 Order No. stem 3WL9.

Documentation

Operator's guide Complete set	German/English French/Italian Spanish/Portuguese	Order No. Order No. Order No.	3ZX18 12-0WL00-0ANO 3ZX18 12-0WL00-0AOJ0 3ZX18 12-0WL00-0AL0
Manual Communication	German English	Order No. Order No.	E20001-A210-P307 E20001-A210-P307-X-7600

Delivery time class C
on request
on request

Free download of documentation from
<http://www.siemens.com/lowvoltage/manuals>

More information

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

3WL 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 15/5.

Size	Max. rated circuit breaker current $I_{n \max}$ A	DT	3-pole non-automatic air circuit breakers	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Horizontal main circuit connection							
II	1000	B	3WL12 10-8□□32-....	1	1 unit	103	56.000
II	2000	B	3WL12 20-8□□32-....	1	1 unit	103	56.000
II	4000 ¹⁾	B	3WL12 40-8□□32-....	1	1 unit	103	64.000
Vertical main circuit connection							
II	1000	B	3WL12 10-8□□31-....	1	1 unit	103	56.000
II	2000	B	3WL12 20-8□□31-....	1	1 unit	103	56.000
II	4000 ¹⁾	B	3WL12 40-8□□31-....	1	1 unit	103	85.000
Front main circuit connection, single hole							
II	1000	B	3WL12 10-8□□33-....	1	1 unit	103	56.000
II	2000	B	3WL12 20-8□□33-....	1	1 unit	103	56.000
Front main circuit connection, double hole							
II	1000	B	3WL12 10-8□□34-....	1	1 unit	103	56.000
II	2000	B	3WL12 20-8□□34-....	1	1 unit	103	56.000
Non-automatic air circuit breakers²⁾				Order No. supplements	Add. price		
Without electronic trip unit				AA	without		

Standard Order No. supplements (for further Order No. supplements, see page 15/22)

Manual operating mechanism with mechanical closing

1AA2

without

Size	Max. rated circuit breaker current $I_{n \max}$ A	DT	4-pole non-automatic air circuit breakers	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Horizontal main circuit connection							
II	1000	B	3WL12 10-8□□42-....	1	1 unit	103	67.000
II	2000	B	3WL12 20-8□□42-....	1	1 unit	103	67.000
II	4000 ¹⁾	B	3WL12 40-8□□42-....	1	1 unit	103	77.000
Vertical main circuit connection							
II	1000	B	3WL12 10-8□□41-....	1	1 unit	103	75.000
II	2000	B	3WL12 20-8□□41-....	1	1 unit	103	75.000
II	4000 ¹⁾	B	3WL12 40-8□□41-....	1	1 unit	103	103.000
Front main circuit connection, single hole							
II	1000	B	3WL12 10-8□□43-....	1	1 unit	103	67.000
II	2000	B	3WL12 20-8□□43-....	1	1 unit	103	67.000
Front main circuit connection, double hole							
II	1000	B	3WL12 10-8□□44-....	1	1 unit	103	67.000
II	2000	B	3WL12 20-8□□44-....	1	1 unit	103	67.000
Non-automatic air circuit breakers²⁾				Order No. supplements	Add. price		
Without electronic trip unit				AA	without		

Standard Order No. supplements (for further Order No. supplements, see page 15/22)

Manual operating mechanism with mechanical closing

1AA2

without

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)",
"Options", page 15/23 onwards.

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

To be purchased only directly from "mat – Maschinen- und An-
lagentechnik" (<http://www.m-a-t.de>).

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

²⁾ For permissible rated short-time current I_{cw} and rated short-circuit switching capacity I_{cc} for non-automatic air circuit breakers, see Technical Information LV 1T, "General Data", "Technical Specifications".

3WL Air Circuit Breakers

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

3- and 4-pole, withdrawable versions

Size	Max. rated circuit breaker current $I_{n\ max.}$ A	DT	3-pole non-automatic air circuit breakers Order No. For Order No. supplements, see page 15/22	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Without guide frames (for guide frames, see page 15/49)								
II	1000	B	3WL12 10-8□□35-....		1	1 unit	103	60.000
II	2000	B	3WL12 20-8□□35-....		1	1 unit	103	60.000
II	4000 ¹⁾	B	3WL12 40-8□□35-....		1	1 unit	103	68.000
With guide frames, horizontal main circuit connection								
II	1000	B	3WL12 10-8□□36-....		1	1 unit	103	91.000
II	2000	B	3WL12 20-8□□36-....		1	1 unit	103	91.000
II	4000 ¹⁾	B	3WL12 40-8□□36-....		1	1 unit	103	113.000
With guide frames, vertical main circuit connection								
II	1000	B	3WL12 10-8□□37-....		1	1 unit	103	91.000
II	2000	B	3WL12 20-8□□37-....		1	1 unit	103	91.000
II	4000 ¹⁾	B	3WL12 40-8□□37-....		1	1 unit	103	121.000
With guide frames, connecting flanges								
II	1000	B	3WL12 10-8□□38-....		1	1 unit	103	91.000
II	2000	B	3WL12 20-8□□38-....		1	1 unit	103	91.000
II	4000 ¹⁾	B	3WL12 40-8□□38-....		1	1 unit	103	113.000
Non-automatic air circuit breakers²⁾								
Without electronic trip unit			Order No. supplements AA	Add. price without				

Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)

Manual operating mechanism with mechanical closing

1AA2

without

Size	Max. rated circuit breaker current $I_{n\ max.}$ A	DT	4-pole non-automatic air circuit breakers Order No. For Order No. supplements, see page 15/22	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
Without guide frames (for guide frames, see page 15/49)								
II	1000	B	3WL12 10-8□□45-....		1	1 unit	103	75.000
II	2000	B	3WL12 20-8□□45-....		1	1 unit	103	75.000
II	4000 ¹⁾	B	3WL12 40-8□□45-....		1	1 unit	103	82.000
With guide frames, horizontal main circuit connection								
II	1000	B	3WL12 10-8□□46-....		1	1 unit	103	109.000
II	2000	B	3WL12 20-8□□46-....		1	1 unit	103	109.000
II	4000 ¹⁾	B	3WL12 40-8□□46-....		1	1 unit	103	136.000
With guide frames, vertical main circuit connection								
II	1000	B	3WL12 10-8□□47-....		1	1 unit	103	109.000
II	2000	B	3WL12 20-8□□47-....		1	1 unit	103	109.000
II	4000 ¹⁾	B	3WL12 40-8□□47-....		1	1 unit	103	146.000
With guide frames, connecting flanges								
II	1000	B	3WL12 10-8□□48-....		1	1 unit	103	109.000
II	2000	B	3WL12 20-8□□48-....		1	1 unit	103	109.000
II	4000 ¹⁾	B	3WL12 40-8□□48-....		1	1 unit	103	136.000
Non-automatic air circuit breakers²⁾								
Without electronic trip unit			Order No. supplements AA	Add. price without				

Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)

Manual operating mechanism with mechanical closing

1AA2

without

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)", "Options", page 15/23 onwards.

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

To be purchased only directly from "mat – Maschinen- und Anlagentechnik" (<http://www.m-a-t.de>).

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

²⁾ For permissible rated short-time current I_{cw} and rated short-circuit switching capacity I_{cc} for non-automatic air circuit breakers, see Technical Information LV 1T, "General Data", "Technical specifications".

3WL Air Circuit Breakers

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

Accessories/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	For 3-pole non-automatic air circuit breakers		PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
			Order No. (Order No. supplements required according to table below)	Price per PU				
Front main circuit connection, single hole								
II	2000	B	3WL9 212-3DA□□-□□A1		1	1 unit	103	31.000
Front main circuit connection, double hole								
II	2000	B	3WL9 212-3DB□□-□□A1		1	1 unit	103	31.000
Horizontal main circuit connection								
II	2000	B	3WL9 212-3DC□□-□□A1		1	1 unit	103	31.000
II	4000	B	3WL9 212-6DC□□-□□A1		1	1 unit	103	60.000
Vertical main circuit connection								
II	2000	B	3WL9 212-3DD□□-□□A1		1	1 unit	103	31.000
II	4000	B	3WL9 212-6DD□□-□□A1		1	1 unit	103	60.000
Main circuit connection connecting flanges								
II	2000	B	3WL9 212-3DE□□-□□A1		1	1 unit	103	31.000
II	4000	B	3WL9 212-6DE□□-□□A1		1	1 unit	103	60.000
Size	Max. rated circuit breaker current $I_{n \max}$	DT	For 4-pole non-automatic air circuit breakers		PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
			Order No. (Order No. supplements required according to table below)	Price per PU				
Front main circuit connection, single hole								
II	2000	B	3WL9 212-3EA□□-□□A1		1	1 unit	103	37.000
Front main circuit connection, double hole								
II	2000	B	3WL9 212-3EB□□-□□A1		1	1 unit	103	37.000
Horizontal main circuit connection								
II	2000	B	3WL9 212-3EC□□-□□A1		1	1 unit	103	37.000
II	4000	B	3WL9 212-6EC□□-□□A1		1	1 unit	103	84.000
Vertical main circuit connection								
II	2000	B	3WL9 212-3ED□□-□□A1		1	1 unit	103	37.000
II	4000	B	3WL9 212-6ED□□-□□A1		1	1 unit	103	84.000
Main circuit connection connecting flanges								
II	2000	B	3WL9 212-3EE□□-□□A1		1	1 unit	103	37.000
II	4000	B	3WL9 212-6EE□□-□□A1		1	1 unit	103	84.000
Number of auxiliary supply connectors								
None			Order No. supplements		Add. price	Add. price		
1 connector			0		3-pole	4-pole		
2 connectors			1		without	without		
3 connectors			2		x	x		
4 connectors			3		x	x		
For required number of auxiliary supply connectors, see table on page 15/28			4		x	x		
Type of auxiliary circuit connections								
None			0		without	without		
With screw connections (SIGUT)			1		x	x		
With screwless connection method (tension spring)			2		x	x		
Position indicator switches								
None			0		without	without		
Option 1	Operation 1 CO contact, test 1 CO contact, disconnected 1 CO contact		1		x	x		
Option 2	Operation 3 CO contacts, test 2 CO contacts, disconnected 1 CO contact		2		x	x		
Shutters								
None			A		without	without		
With shutter, 2 parts, lockable			B		x	x		

X = additional price
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)", "Options", page 15/23 onwards.

* You can order this quantity or a multiple thereof.

3WL Air Circuit Breakers

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

Notes