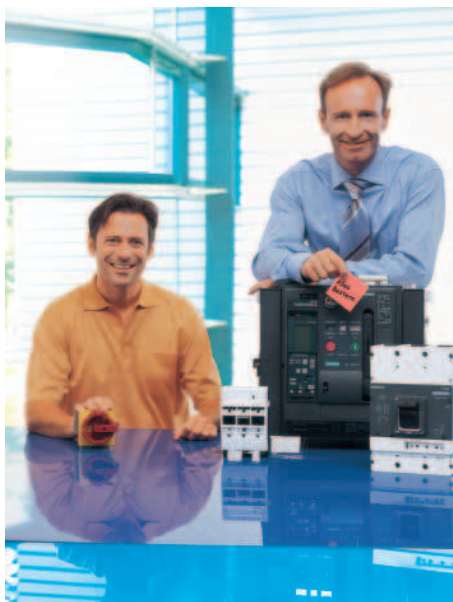


# SENTRON Switching and Protection Devices – Air Circuit Breakers

# 15



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## Introduction

### **3WL Air Circuit Breakers**

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

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General data

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3-pole, fixed-mounted versions

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3-pole, withdrawable versions

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4-pole, fixed-mounted versions

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4-pole, withdrawable versions

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Options

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Accessories/spare parts

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

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3- and 4-pole, fixed-mounted versions

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3- and 4-pole, withdrawable versions

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Accessories/spare parts

# SENTRON Switching and Protection Devices – Air Circuit Breakers

## Introduction

### Overview



Size I



Size II



Size III

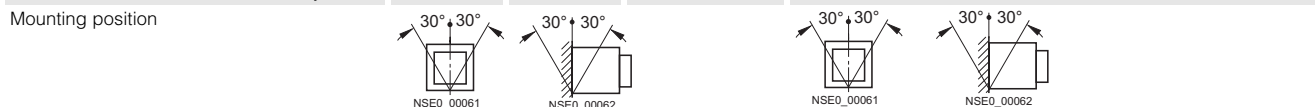
#### Air circuit breakers

##### 3WL air circuit breakers/non-automatic air circuit breakers up to 6300 A (AC)

Size		I, II, III		
Rated current $I_n$	A	630, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6300		
Number of poles		3-pole, 4-pole		
Rated operational voltage $U_e$	V AC V DC	Up to 690/1000 --		
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)
Endurance	Operating cycles	20000	15000	10000

##### 3WL non-automatic air circuit breakers up to 4000 A (DC)

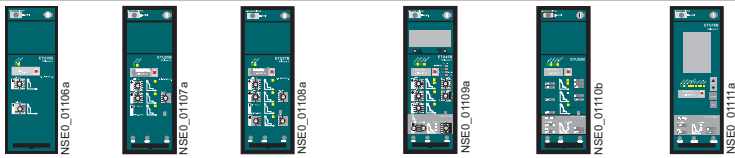
Size	II
Rated current $I_n$	1000, 2000, 4000
Number of poles	3-pole, 4-pole
Rated operational voltage $U_e$	-- Up to 1000
Rated ultimate short-circuit breaking capacity at 500 V AC	30/25/20 (at 300/600/1000 V DC)
Endurance	15000



Degree of protection					
With cover		IP55			IP55
Without cover (with door sealing frame)		IP41			IP41

#### Dimensions 3-/4-pole

	Fixed mounting	W mm	320/410	460/590	704/914	460/590
		H mm	434	434	434	434
	Withdrawable	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 <i>Plus</i>	--	--	--	□	□	□
Selectable parameter sets	--	--	--	--	✓	✓
Parameters freely programmable	--	--	--	--	✓	✓
<b>CubicleBUS</b>	--	--	--	✓	✓	✓

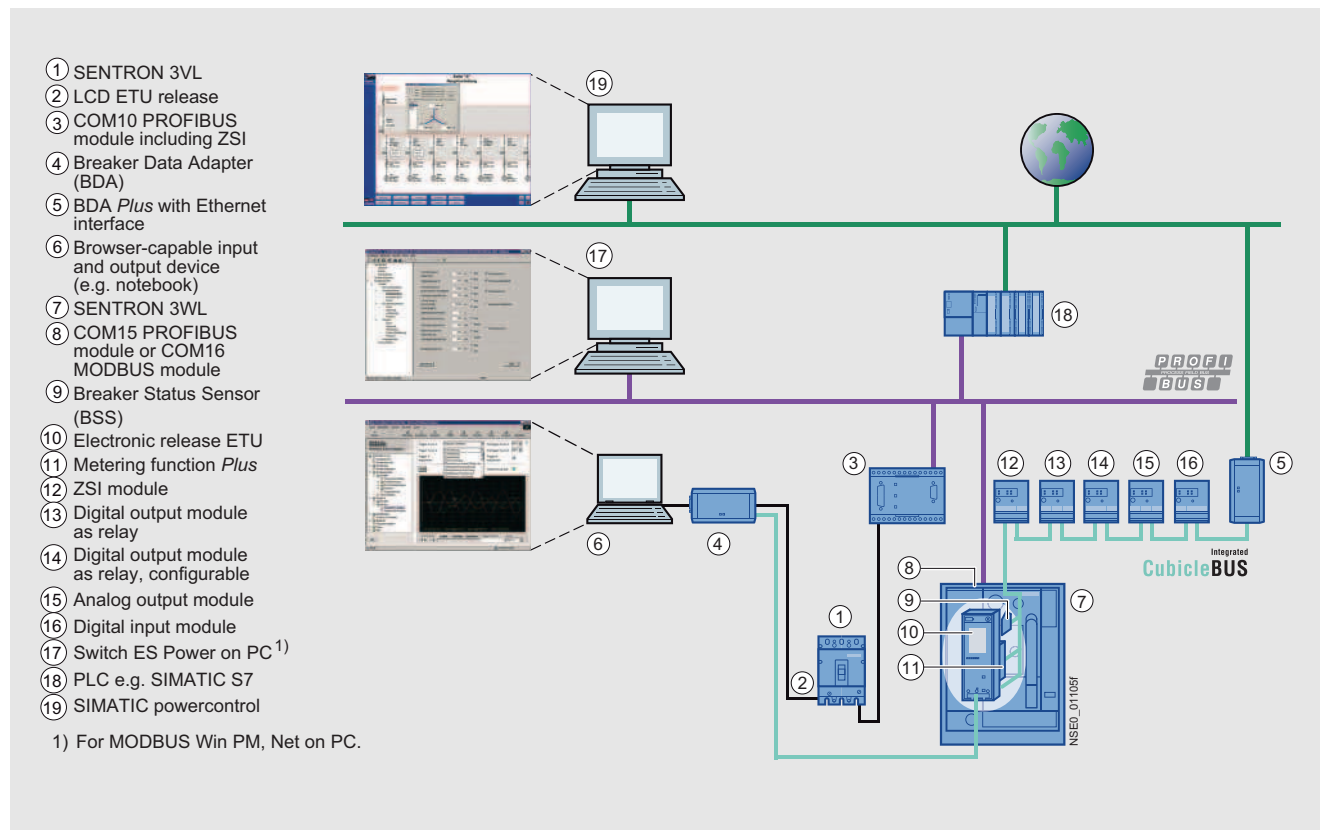
✓ Standard  
-- Not available  
□ Optional

■ 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.

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## Communication-capable circuit breakers



### Features

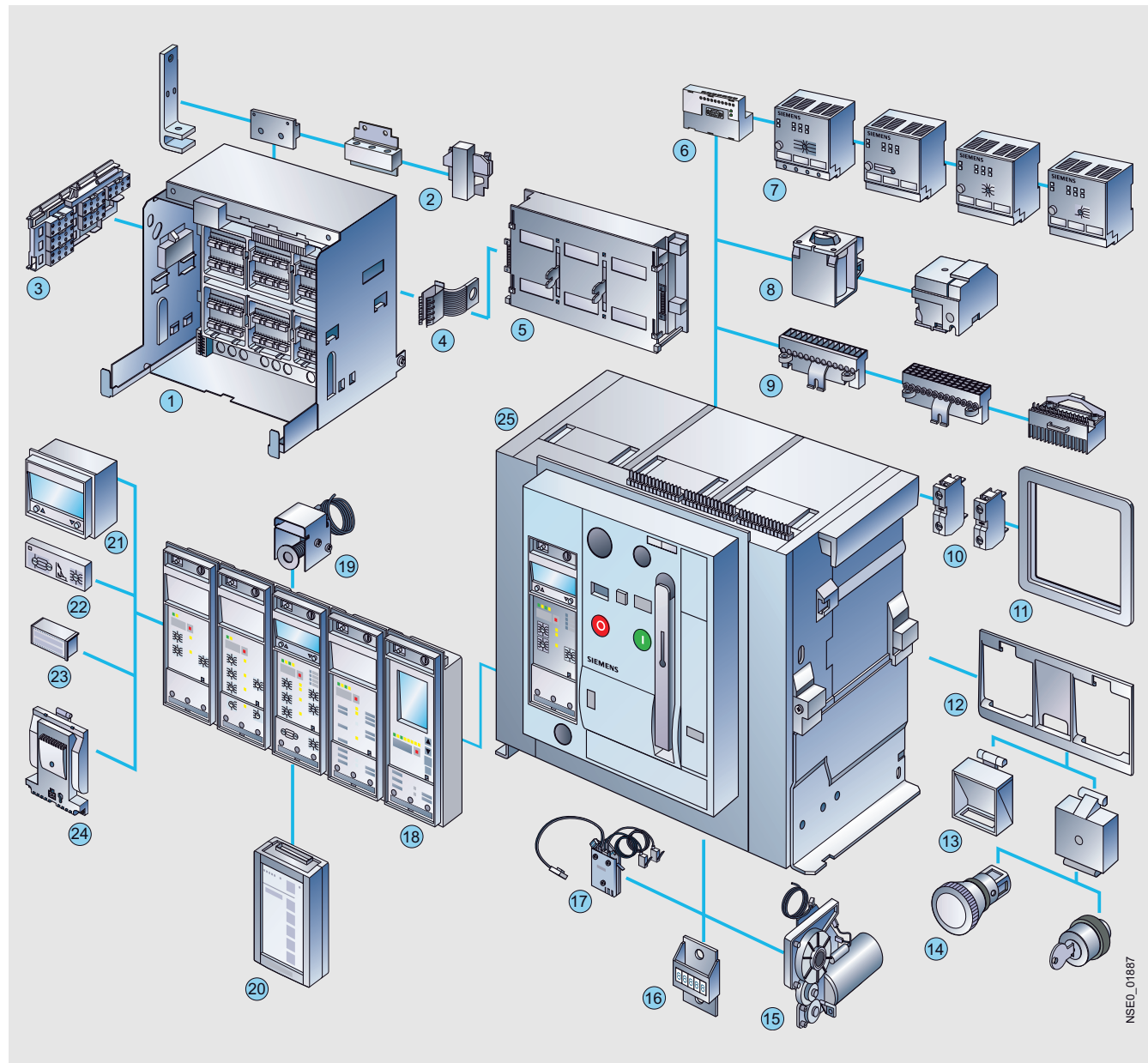
- Coordinated communication concept using the PROFIBUS DP or MODBUS, ranging from 16 A to 6300 A with SENTRON 3VL and SENTRON 3WL
- The high level of modularity of circuit breakers and accessories allows easy retrofitting of all communication components
- Significant additional benefits for the switchboard 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)  | ⑭ | EMERGENCY-STOP pushbuttons, key operated (page 15/35)                           |
| ② | Main circuit connection front, flange, horizontal, vertical (pages 15/42 and 15/43) | ⑮ | Motorized operating mechanisms (page 15/37)                                     |
| ③ | Position indicator switches (pages 15/25 and 15/35)                                 | ⑯ | Operating cycle counters (page 15/35)   |
| ④ | Grounding contact, leading (page 15/39)   | ⑰ | Breaker status sensors (BSS) (page 15/41)                                       |
| ⑤ | Shutters (page 15/38)   | ⑱ | Protective devices with device holder, electronic trip units (ETU) (page 15/31) |
| ⑥ | COM15 PROFIBUS modules or COM16 MODBUS modules (page 15/41)                         | ⑲ | Remote reset solenoids (page 15/32)   |
| ⑦ | External <b>CubicleBUS</b> modules (page 15/40)                                     | ⑳ | Breaker data adapters (BDA) (page 15/40)  |
| ⑧ | Closing solenoids, auxiliary trip units (page 15/37)                                | ㉑ | Four-line displays (page 15/31)   |
| ⑨ | Auxiliary conductor plug-in systems (page 15/36)                                    | ㉒ | Ground-fault protection modules (page 15/31)                                    |
| ⑩ | Auxiliary switch blocks (page 15/37)  | ㉓ | Rated current modules (page 15/31)  |
| ⑪ | Door sealing frames (page 15/38)  | ㉔ | Measuring function modules (page 15/31)   |
| ⑫ | Interlocking sets for base plate (page 15/33)                                       | ㉕ | Circuit breakers (pages 15/6 to 15/21)  |
| ⑬ | Transparent panels, function insert (page 15/32)                                    |   |   |

# 3WL Air Circuit Breakers

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

### General data

#### 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 <sup>1)</sup> $I_n$	$I_{cu}$ 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. kg
			kA	DT						
<b>Horizontal main circuit connection</b>										
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
<b>Vertical main circuit connection</b>										
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
<b>Front main circuit connection, single hole</b>										
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
<b>Front main circuit connection, double hole</b>										
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 breakers<sup>2)</sup>

without electronic trip unit

Order No. supplements

Add. price

#### Electronic trip units

##### Versions without ground-fault protection

ETU15B: Protection functions LI  
 ETU25B: Protection functions LSI  
 ETU45B: Protection functions LSIN<sup>3)</sup>  
 ETU45B: Protection functions LSIN<sup>3)</sup> with 4-line display  
 ETU55B: Protection functions LSIN<sup>3)</sup>  
 ETU76B: Protection functions LSIN<sup>3)</sup> with pixel graphics display

##### Versions with ground-fault protection

ETU27B: Protection functions LSING<sup>4)</sup>  
 ETU45B: Protection functions LSING<sup>3)5)</sup>  
 ETU45B: Protection functions LSING<sup>3)5)</sup> with 4-line display  
 ETU55B: Protection functions LSING<sup>3)5)</sup>  
 ETU76B: Protection functions LSING<sup>3)5)</sup> with pixel graphics display

AA

BB

CB

EB

FB

JB

NB

DG

EG

FG

JG

NG

x

x

x

x

x

x

x

x

x

x

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.

## 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 <sup>1)</sup> $I_n$	$I_{cu}$ 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. kg
			kA	DT						
<b>Horizontal main circuit connection</b>										
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
<b>Vertical main circuit connection</b>										
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
<b>Front main circuit connection, single hole</b>										
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
<b>Front main circuit connection, double hole</b>										
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 breakers<sup>2)</sup>**

Without electronic trip unit

Order No. supplements

Add. price

AA

without

**Electronic trip units****Versions without ground-fault protection**

ETU15B: Protection functions LI  
 ETU25B: Protection functions LSI  
 ETU45B: Protection functions LSIN<sup>(3)</sup>  
 ETU45B: Protection functions LSIN<sup>(3)</sup> with 4-line display  
 ETU55B: Protection functions LSIN<sup>(3)</sup>  
 ETU76B: Protection functions LSIN<sup>(3)</sup> with pixel graphics display

BB

x

CB

x

EB

x

FB

x

JB

x

NB

x

**Versions with ground-fault protection**

ETU27B: Protection functions LSING<sup>(4)</sup>  
 ETU45B: Protection functions LSING<sup>(3)(5)</sup>  
 ETU45B: Protection functions LSING<sup>(3)(5)</sup> with 4-line display  
 ETU55B: Protection functions LSING<sup>(3)(5)</sup>  
 ETU76B: Protection functions LSING<sup>(3)(5)</sup> with pixel graphics display

DG

x

EG

x

FG

x

JG

x

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 <sup>1)</sup> $I_n$	$I_{cu}$ 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. kg
			kA	DT						
<b>Horizontal main circuit connection</b>										
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
<b>Vertical main circuit connection</b>										
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
<b>Front main circuit connection, single hole</b>										
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
<b>Front main circuit connection, double hole</b>										
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
<b>Non-automatic air circuit breakers<sup>2)</sup></b>					Order No. supplements	Add. price				
Without electronic trip unit					AA	without				
<b>Electronic trip units</b>										
<b>Versions without ground-fault protection</b>					BB	x				
ETU15B: Protection functions LI					CB	x				
ETU25B: Protection functions LSI					EB	x				
ETU45B: Protection functions LSIN <sup>3)</sup>					FB	x				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					JB	x				
ETU55B: Protection functions LSIN <sup>3)</sup>					NB	x				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display										
<b>Versions with ground-fault protection</b>					DG	x				
ETU27B: Protection functions LSING <sup>4)</sup>					EG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup>					FG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					JG	x				
ETU55B: Protection functions LSING <sup>3)5)</sup>					NG	x				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display										
<b>Standard Order No. supplements (for further Order No. supplements, see page 15/22)</b>										
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 15/9.



# 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 <sup>1)</sup> $I_n$	$I_{cu}$ 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. kg
			kA	DT						
<b>Horizontal main circuit connection</b>										
III	4000	4000	150	B	<b>3WL13 40-5□□32-....</b>		1	1 unit	103	82.000
III	5000	5000	150	B	<b>3WL13 50-5□□32-....</b>		1	1 unit	103	82.000
<b>Vertical main circuit connection</b>										
III	4000	4000	150	B	<b>3WL13 40-5□□31-....</b>		1	1 unit	103	82.000
III	5000	5000	150	B	<b>3WL13 50-5□□31-....</b>		1	1 unit	103	82.000
III	6300	6300	150	B	<b>3WL13 63-5□□31-....</b>		1	1 unit	103	90.000
<b>Non-automatic air circuit breakers<sup>2)</sup></b> Without electronic trip unit					Order No. supplements	Add. price				
					AA	without				
<b>Electronic trip units</b>										
<b>Versions without ground-fault protection</b>										
ETU15B: Protection functions LI					BB	x				
ETU25B: Protection functions LSI					CB	x				
ETU45B: Protection functions LSIN <sup>3)</sup>					EB	x				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB	x				
ETU55B: Protection functions LSIN <sup>3)</sup>					JB	x				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB	x				
<b>Versions with ground-fault protection</b>										
ETU27B: Protection functions LSING <sup>4)</sup>					DG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG	x				
ETU55B: Protection functions LSING <sup>3)5)</sup>					JG	x				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					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

**Footnotes for pages 15/6 to 15/9:**

- 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.
- 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".

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

### 3-pole, withdrawable versions

#### Selection and ordering data

Size	Max. rated circuit breaker current $I_n$ max.	Rated current <sup>1)</sup> $I_n$	$I_{CU}$ 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. kg
A	A	kA	DT							
<b>Without guide frames (for guide frames, see page 15/29 and 15/30)</b>										
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
<b>With guide frames, horizontal main circuit connection</b>										
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
<b>With guide frames, vertical main circuit connection</b>										
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
<b>With guide frames, connecting flanges</b>										
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
<b>Non-automatic air circuit breakers<sup>2)</sup></b>										
Without electronic trip unit					Order No. supplements	Add. price				
					AA	without				
<b>Electronic trip units</b>										
<b>Versions without ground-fault protection</b>										
ETU15B: Protection functions LI					BB	x				
ETU25B: Protection functions LSI					CB	x				
ETU45B: Protection functions LSIN <sup>3)</sup>					EB	x				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB	x				
ETU55B: Protection functions LSIN <sup>3)</sup>					JB	x				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB	x				
<b>Versions with ground-fault protection</b>										
ETU27B: Protection functions LSING <sup>4)</sup>					DG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG	x				
ETU55B: Protection functions LSING <sup>3)5)</sup>					JG	x				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					NG	x				

**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.

# 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 <sup>1)</sup> $I_n$	$I_{cu}$ 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	kA	DT						kg	
<b>Without guide frames (for guide frames, see page 15/29 and 15/30)</b>										
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
<b>With guide frames, horizontal main circuit connection</b>										
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
<b>With guide frames, vertical main circuit connection</b>										
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
<b>With guide frames, connecting flanges</b>										
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
<b>Non-automatic air circuit breakers<sup>2)</sup></b>					Order No. supplements	Add. price				
Without electronic trip unit					AA	without				
<b>Electronic trip units</b>										
<b>Versions without ground-fault protection</b>										
ETU15B: Protection functions LI					BB	x				
ETU25B: Protection functions LS1					CB	x				
ETU45B: Protection functions LSIN <sup>3)</sup>					EB	x				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB	x				
ETU55B: Protection functions LSIN <sup>3)</sup>					JB	x				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB	x				
<b>Versions with ground-fault protection</b>										
ETU27B: Protection functions LSING <sup>4)</sup>					DG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG	x				
ETU55B: Protection functions LSING <sup>3)5)</sup>					JG	x				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					NG	x				
<b>Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)</b>										
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 15/13.

\* 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 <sup>1)</sup> $I_n$	$I_{cu}$ 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	
<b>Without guide frames (for guide frames, see page 15/29 and 15/30)</b>										
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
<b>With guide frames, horizontal main circuit connection</b>										
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
<b>With guide frames, vertical main circuit connection</b>										
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
<b>With guide frames, connecting flanges</b>										
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
III	4000	4000	100	B	3WL13 40-4□□38-....		1	1 unit	103	148.000
<b>Non-automatic air circuit breakers<sup>2)</sup></b>					Order No. supplements	Add. price				
Without electronic trip unit					AA	without				
<b>Electronic trip units</b>										
<b>Versions without ground-fault protection</b>					BB	x				
ETU15B: Protection functions LI					CB	x				
ETU25B: Protection functions LSI					EB	x				
ETU45B: Protection functions LSIN <sup>3)</sup>					FB	x				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					JB	x				
ETU55B: Protection functions LSIN <sup>3)</sup>					NB	x				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display										
<b>Versions with ground-fault protection</b>					DG	x				
ETU27B: Protection functions LSING <sup>4)</sup>					EG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup>					FG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					JG	x				
ETU55B: Protection functions LSING <sup>3)5)</sup>					NG	x				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display										
<b>Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)</b>										
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 15/13.

# 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 <sup>1)</sup> $I_n$	$I_{cu}$ 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. kg
			kA	DT						
<b>Without guide frames (for guide frames, see page 15/29 and 15/30)</b>										
III	4000	4000	150	B	<b>3WL13 40-5□□35-....</b>		1	1 unit	103	88.000
III	5000	5000	150	B	<b>3WL13 50-5□□35-....</b>		1	1 unit	103	88.000
III	6300	6300	150	B	<b>3WL13 63-5□□35-....</b>		1	1 unit	103	96.000
<b>With guide frames, horizontal main circuit connection</b>										
III	4000	4000	150	B	<b>3WL13 40-5□□36-....</b>		1	1 unit	103	148.000
III	5000	5000	150	B	<b>3WL13 50-5□□36-....</b>		1	1 unit	103	148.000
<b>With guide frames, vertical main circuit connection</b>										
III	4000	4000	150	B	<b>3WL13 40-5□□37-....</b>		1	1 unit	103	148.000
III	5000	5000	150	B	<b>3WL13 50-5□□37-....</b>		1	1 unit	103	148.000
III	6300	6300	150	B	<b>3WL13 63-5□□37-....</b>		1	1 unit	103	166.000
<b>Non-automatic air circuit breakers<sup>2)</sup></b>					Order No. supplements	Add. price				
Without electronic trip unit					AA	without				
<b>Electronic trip units</b>										
<b>Versions without ground-fault protection</b>					BB	x				
ETU15B: Protection functions LI					CB	x				
ETU25B: Protection functions LSI					EB	x				
ETU45B: Protection functions LSIN <sup>3)</sup>					FB	x				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					JB	x				
ETU55B: Protection functions LSIN <sup>3)</sup>					NB	x				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display										
<b>Versions with ground-fault protection</b>					DG	x				
ETU27B: Protection functions LSING <sup>4)</sup>					EG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup>					FG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					JG	x				
ETU55B: Protection functions LSING <sup>3)5)</sup>					NG	x				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display										
<b>Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)</b>										
Manual operating mechanism with mechanical closing					1AA2	without				
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO										

x = additional price

**Footnotes for pages 15/10 to 15/13:**

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

- 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.
- Current transformers for protection of the N conductor are to be ordered separately, see page 15/31.
- 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 <sup>1)</sup> $I_n$	$I_{cu}$ 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. kg
A	A	kA	DT							
<b>Horizontal main circuit connection</b>										
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
<b>Vertical main circuit connection</b>										
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
<b>Front main circuit connection, single hole</b>										
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
<b>Front main circuit connection, double hole</b>										
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
<b>Non-automatic air circuit breakers<sup>2)</sup></b>					Order No. supplements	Add. price				
Without electronic trip unit					AA	without				
<b>Electronic trip units</b>										
<b>Versions without ground-fault protection</b>					BB	x				
ETU15B: Protection functions LI					CB	x				
ETU25B: Protection functions LSI					EB	x				
ETU45B: Protection functions LSIN <sup>3)</sup>					FB	x				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					JB	x				
ETU55B: Protection functions LSIN <sup>3)</sup>					NB	x				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display										
<b>Versions with ground-fault protection</b>					DG	x				
ETU27B: Protection functions LSING <sup>4)</sup>					EG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup>					FG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					JG	x				
ETU55B: Protection functions LSING <sup>3)5)</sup>					NG	x				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display										
<b>Standard Order No. supplements (for further Order No. supplements, see page 15/22)</b>										
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 <sup>1)</sup> $I_n$	$I_{cu}$ 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	kA	DT						kg	
<b>Horizontal main circuit connection</b>										
I	630	630	66	B	3WL11 06-3□□42-....		1	1 unit	103	50.000
I	800	800	66	B	3WL11 08-3□□42-....		1	1 unit	103	50.000
I	1000	1000	66	B	3WL11 10-3□□42-....		1	1 unit	103	50.000
I	1250	1250	66	B	3WL11 12-3□□42-....		1	1 unit	103	50.000
I	1600	1600	66	B	3WL11 16-3□□42-....		1	1 unit	103	50.000
II	800	800	80	B	3WL12 08-3□□42-....		1	1 unit	103	67.000
II	1000	1000	80	B	3WL12 10-3□□42-....		1	1 unit	103	67.000
II	1250	1250	80	B	3WL12 12-3□□42-....		1	1 unit	103	67.000
II	1600	1600	80	B	3WL12 16-3□□42-....		1	1 unit	103	67.000
II	2000	2000	80	B	3WL12 20-3□□42-....		1	1 unit	103	67.000
II	2500	2500	80	B	3WL12 25-3□□42-....		1	1 unit	103	71.000
II	3200	3200	80	B	3WL12 32-3□□42-....		1	1 unit	103	77.000
<b>Vertical main circuit connection</b>										
I	630	630	66	B	3WL11 06-3□□41-....		1	1 unit	103	50.000
I	800	800	66	B	3WL11 08-3□□41-....		1	1 unit	103	50.000
I	1000	1000	66	B	3WL11 10-3□□41-....		1	1 unit	103	50.000
I	1250	1250	66	B	3WL11 12-3□□41-....		1	1 unit	103	50.000
I	1600	1600	66	B	3WL11 16-3□□41-....		1	1 unit	103	50.000
II	800	800	80	B	3WL12 08-3□□41-....		1	1 unit	103	75.000
II	1000	1000	80	B	3WL12 10-3□□41-....		1	1 unit	103	75.000
II	1250	1250	80	B	3WL12 12-3□□41-....		1	1 unit	103	75.000
II	1600	1600	80	B	3WL12 16-3□□41-....		1	1 unit	103	67.000
II	2000	2000	80	B	3WL12 20-3□□41-....		1	1 unit	103	75.000
II	2500	2500	80	B	3WL12 25-3□□41-....		1	1 unit	103	71.000
II	3200	3200	80	B	3WL12 32-3□□41-....		1	1 unit	103	77.000
II	4000	4000	80	B	3WL12 40-3□□41-....		1	1 unit	103	103.000
<b>Front main circuit connection, single hole</b>										
I	630	630	66	B	3WL11 06-3□□43-....		1	1 unit	103	50.000
I	800	800	66	B	3WL11 08-3□□43-....		1	1 unit	103	50.000
I	1000	1000	66	B	3WL11 10-3□□43-....		1	1 unit	103	50.000
I	1250	1250	66	B	3WL11 12-3□□43-....		1	1 unit	103	50.000
I	1600	1600	66	B	3WL11 16-3□□43-....		1	1 unit	103	50.000
II	800	800	80	B	3WL12 08-3□□43-....		1	1 unit	103	67.000
II	1000	1000	80	B	3WL12 10-3□□43-....		1	1 unit	103	67.000
II	1250	1250	80	B	3WL12 12-3□□43-....		1	1 unit	103	67.000
II	1600	1600	80	B	3WL12 16-3□□43-....		1	1 unit	103	67.000
II	2000	2000	80	B	3WL12 20-3□□43-....		1	1 unit	103	67.000
II	2500	2500	80	B	3WL12 25-3□□43-....		1	1 unit	103	71.000
II	3200	3200	80	B	3WL12 32-3□□43-....		1	1 unit	103	77.000
<b>Front main circuit connection, double hole</b>										
I	630	630	66	B	3WL11 06-3□□44-....		1	1 unit	103	50.000
I	800	800	66	B	3WL11 08-3□□44-....		1	1 unit	103	50.000
I	1000	1000	66	B	3WL11 10-3□□44-....		1	1 unit	103	50.000
I	1250	1250	66	B	3WL11 12-3□□44-....		1	1 unit	103	50.000
I	1600	1600	66	B	3WL11 16-3□□44-....		1	1 unit	103	50.000
II	800	800	80	B	3WL12 08-3□□44-....		1	1 unit	103	67.000
II	1000	1000	80	B	3WL12 10-3□□44-....		1	1 unit	103	67.000
II	1250	1250	80	B	3WL12 12-3□□44-....		1	1 unit	103	67.000
II	1600	1600	80	B	3WL12 16-3□□44-....		1	1 unit	103	67.000
II	2000	2000	80	B	3WL12 20-3□□44-....		1	1 unit	103	67.000
II	2500	2500	80	B	3WL12 25-3□□44-....		1	1 unit	103	71.000
II	3200	3200	80	B	3WL12 32-3□□44-....		1	1 unit	103	77.000
<b>Non-automatic air circuit breakers<sup>2)</sup></b> Without electronic trip unit					Order No. supplements	AA		without		
<b>Electronic trip units</b>										
<b>Versions without ground-fault protection</b>										
ETU15B: Protection functions LI					BB		x			
ETU25B: Protection functions LSI					CB		x			
ETU45B: Protection functions LSIN <sup>3)</sup>					EB		x			
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB		x			
ETU55B: Protection functions LSIN <sup>3)</sup>					JB		x			
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB		x			
<b>Versions with ground-fault protection</b>										
ETU27B: Protection functions LSING <sup>4)</sup>					DG		x			
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG		x			
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG		x			
ETU55B: Protection functions LSING <sup>3)5)</sup>					JG		x			
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					NG		x			
<b>Standard Order No. supplements (for further Order No. supplements, see page 15/22)</b>										
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 <sup>1)</sup> $I_n$	$I_{cu}$ 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. kg
			kA	DT						
<b>Horizontal main circuit connection</b>										
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
<b>Vertical main circuit connection</b>										
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
<b>Front main circuit connection, single hole</b>										
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
<b>Front main circuit connection, double hole</b>										
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
<b>Non-automatic air circuit breakers<sup>2)</sup></b>					Order No. supplements	Add. price				
Without electronic trip unit					AA	without				
<b>Electronic trip units</b>										
<b>Versions without ground-fault protection</b>					BB	x				
ETU15B: Protection functions LI					CB	x				
ETU25B: Protection functions LSI					EB	x				
ETU45B: Protection functions LSIN <sup>3)</sup>					FB	x				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					JB	x				
ETU55B: Protection functions LSIN <sup>3)</sup>					NB	x				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display										
<b>Versions with ground-fault protection</b>					DG	x				
ETU27B: Protection functions LSING <sup>4)</sup>					EG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup>					FG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					JG	x				
ETU55B: Protection functions LSING <sup>3)5)</sup>					NG	x				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display										
<b>Standard Order No. supplements (for further Order No. supplements, see page 15/22)</b>										
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.



# 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 <sup>1)</sup> $I_n$	$I_{cu}$ 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. kg
			kA	DT						
<b>Horizontal main circuit connection</b>										
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
<b>Vertical main circuit connection</b>										
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
<b>Non-automatic air circuit breakers<sup>2)</sup></b> Without electronic trip unit					Order No. supplements	Add. price				
					AA	without				
<b>Electronic trip units</b>										
<b>Versions without ground-fault protection</b>										
ETU15B: Protection functions LI					BB	x				
ETU25B: Protection functions LSI					CB	x				
ETU45B: Protection functions LSIN <sup>3)</sup>					EB	x				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB	x				
ETU55B: Protection functions LSIN <sup>3)</sup>					JB	x				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB	x				
<b>Versions with ground-fault protection</b>										
ETU27B: Protection functions LSING <sup>4)</sup>					DG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG	x				
ETU55B: Protection functions LSING <sup>3)5)</sup>					JG	x				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					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

**Footnotes for pages 15/14 to 15/17:**

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

- <sup>3)</sup> 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.
- <sup>4)</sup> Current transformers for protection of the N conductor are to be ordered separately, see page 15/31.
- <sup>5)</sup> 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 <sup>1)</sup> $I_n$	$I_{cu}$ 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. kg
A	A	kA	DT							
<b>Without guide frames (for guide frames, see page 15/29 and 15/30)</b>										
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
<b>With guide frames, horizontal main circuit connection</b>										
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
<b>With guide frames, vertical main circuit connection</b>										
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
<b>With guide frames, connecting flanges</b>										
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 breakers<sup>2)</sup>

Without electronic trip unit

#### Electronic trip units

##### Versions without ground-fault protection

ETU15B: Protection functions LI	BB	x
ETU25B: Protection functions LS1	CB	x
ETU45B: Protection functions LSIN <sup>3)</sup>	EB	x
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display	FB	x
ETU55B: Protection functions LSIN <sup>3)</sup>	JB	x
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display	NB	x

##### Versions with ground-fault protection

ETU27B: Protection functions LSING <sup>4)</sup>	DG	x
ETU45B: Protection functions LSING <sup>3)5)</sup>	EG	x
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display	FG	x
ETU55B: Protection functions LSING <sup>3)5)</sup>	JG	x
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display	NG	x

**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.

## 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 <sup>1)</sup> $I_n$	$I_{cu}$ 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	kA	DT					kg	
<b>Without guide frames (for guide frames, see page 15/29 and 15/30)</b>										
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
<b>With guide frames, horizontal main circuit connection</b>										
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
<b>With guide frames, vertical main circuit connection</b>										
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
<b>With guide frames, connecting flanges</b>										
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

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**Non-automatic air circuit breakers<sup>2)</sup>**

Without electronic trip unit

**Electronic trip units****Versions without ground-fault protection**

ETU15B: Protection functions LI  
 ETU25B: Protection functions LSI  
 ETU45B: Protection functions LSIN<sup>3)</sup>  
 ETU45B: Protection functions LSIN<sup>3)</sup> with 4-line display  
 ETU55B: Protection functions LSIN<sup>3)</sup>  
 ETU76B: Protection functions LSIN<sup>3)</sup> with pixel graphics display

**Versions with ground-fault protection**

ETU27B: Protection functions LSING<sup>4)</sup>  
 ETU45B: Protection functions LSING<sup>3)5)</sup>  
 ETU45B: Protection functions LSING<sup>3)5)</sup> with 4-line display  
 ETU55B: Protection functions LSING<sup>3)5)</sup>  
 ETU76B: Protection functions LSING<sup>3)5)</sup> with pixel graphics display

Order No. supplements

Add. price  
without

AA

BB

CB

EB

FB

JB

NB

DG

EG

FG

JG

NG

x

x

x

x

x

x

x

x

x

x

x

**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 <sup>1)</sup> $I_n$	$I_{cu}$ 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.
			kA	DT						
<b>Without guide frames (for guide frames, see page 15/29 and 15/30)</b>										
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
<b>With guide frames, horizontal main circuit connection</b>										
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
<b>With guide frames, vertical main circuit connection</b>										
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
<b>With guide frames, connecting flanges</b>										
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
<b>Non-automatic air circuit breakers<sup>2)</sup></b>					Order No. supplements	Add. price				
Without electronic trip unit					AA	without				
<b>Electronic trip units</b>										
<b>Versions without ground-fault protection</b>										
ETU15B: Protection functions LI					BB	x				
ETU25B: Protection functions LSI					CB	x				
ETU45B: Protection functions LSIN <sup>3)</sup>					EB	x				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB	x				
ETU55B: Protection functions LSIN <sup>3)</sup>					JB	x				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB	x				
<b>Versions with ground-fault protection</b>										
ETU27B: Protection functions LSING <sup>4)</sup>					DG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG	x				
ETU55B: Protection functions LSING <sup>3)5)</sup>					JG	x				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					NG	x				
<b>Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)</b>										
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.

# 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 <sup>1)</sup> $I_n$	$I_{cu}$ 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. kg
			kA	DT						
<b>Without guide frames (for guide frames, see page 15/29 and 15/30)</b>										
III	4000	4000	130	B	<b>3WL13 40-5□□45-....</b>		1	1 unit	103	115.000
III	5000	5000	130	B	<b>3WL13 50-5□□45-....</b>		1	1 unit	103	115.000
III	6300	6300	130	B	<b>3WL13 63-5□□45-....</b>		1	1 unit	103	108.000
<b>With guide frames, horizontal main circuit connection</b>										
III	4000	4000	130	B	<b>3WL13 40-5□□46-....</b>		1	1 unit	103	190.000
III	5000	5000	130	B	<b>3WL13 50-5□□46-....</b>		1	1 unit	103	190.000
<b>With guide frames, vertical main circuit connection</b>										
III	4000	4000	130	B	<b>3WL13 40-5□□47-....</b>		1	1 unit	103	190.000
III	5000	5000	130	B	<b>3WL13 50-5□□47-....</b>		1	1 unit	103	190.000
III	6300	6300	130	B	<b>3WL13 63-5□□47-....</b>		1	1 unit	103	227.000
<b>Non-automatic air circuit breakers<sup>2)</sup></b>					Order No. supplements	Add. price				
Without electronic trip unit					AA	without				
<b>Electronic trip units</b>										
<b>Versions without ground-fault protection</b>										
ETU15B: Protection functions LI					BB	x				
ETU25B: Protection functions LSI					CB	x				
ETU45B: Protection functions LSIN <sup>3)</sup>					EB	x				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB	x				
ETU55B: Protection functions LSIN <sup>3)</sup>					JB	x				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB	x				
<b>Versions with ground-fault protection</b>										
ETU27B: Protection functions LSING <sup>4)</sup>					DG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG	x				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG	x				
ETU55B: Protection functions LSING <sup>3)5)</sup>					JG	x				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					NG	x				
<b>Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/22)</b>										
Manual operating mechanism with mechanical closing					1AA2	without				
Without 1st and 2nd auxiliary trip units; auxiliary switch 2 NC + 2 NO										

x = additional price

**Footnotes for pages 15/18 to 15/21:**

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

- <sup>3)</sup> 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.
- <sup>4)</sup> Current transformers for protection of the N conductor are to be ordered separately, see page 15/31.
- <sup>5)</sup> 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)

### Options

#### Selection and ordering data

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

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" 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	Add. price
<b>Operator's guide</b>					
Printed version					
	French/Italian		<b>A 1 1</b>		<b>x</b>
	Spanish/Portuguese		<b>A 1 2</b>		<b>x</b>
<b>Rated voltage 1000 V AC/DC</b>					
Only for circuit breakers with high switching capacity H (8th digit of the Order No. is a "4")					
Size II <sup>4)</sup>		up to 2000 A	<b>A 0 5</b>		<b>x</b> <b>x</b>
		up to 2500 A	<b>A 0 5</b>		<b>x</b> <b>x</b>
		up to 3200 A	<b>A 0 5</b>		<b>x</b> <b>x</b>
Size III <sup>4)5)</sup>		up to 4000 A	<b>A 0 5</b>		<b>x</b> <b>x</b>
		up to 5000 A	<b>A 0 5</b>		<b>x</b> <b>x</b>
		up to 6300 A	<b>A 0 5</b>		<b>x</b> <b>x</b>
<b>Special packaging</b>					
<b>Special packaging for extended technical requirements</b>					
Cardboard packaging with wax coating (moisture protection), internal bracing, tilt indicators			<b>A 6 0</b>		<b>x</b>
<b>Rated current modules / Rating plugs</b>					
					Add. price
Rated current $I_n$ A					
Only one module is possible per circuit breaker (not in conjunction with electronic trip unit ETU15B). As standard the overcurrent releases are equipped with a rated current module which is equal to the maximum rated current circuit breaker ( $I_{n,max}$ ). The rated current of the selected rated current module must be smaller than $I_{n,max}$ .					
	For size I, II	250	<b>B 0 2</b>		without
		315	<b>B 0 3</b>		without
		400	<b>B 0 4</b>		without
		500	<b>B 0 5</b>		without
		630	<b>B 0 6</b>		without
		800	<b>B 0 8</b>		without
		1000	<b>B 1 0</b>		without
	For size I, II, III	1250	<b>B 1 2</b>		without
		1600	<b>B 1 6</b>		without
	For size II, III	2000	<b>B 2 0</b>		without
		2500	<b>B 2 5</b>		without
		3200	<b>B 3 2</b>		without
		4000	<b>B 4 0</b>		without
	For size III	5000	<b>B 5 0</b>		without
		6300	<b>B 6 3</b>		without
<b>Indication/operator control elements, door sealing frames</b>					
<b>5-digit mechanical operating cycles counter<sup>1)</sup></b>			<b>C 0 1</b>		<b>x</b>
<b>Electrical ON button in the operator panel<sup>2)</sup></b>			<b>C 1 1</b>		<b>x</b>
Button with sealing cap			<b>C 1 2</b>		<b>x</b>
Possible only for circuit breakers with closing solenoid					
<b>Storage status signaling switches<sup>2)</sup> (S21)</b>			<b>C 2 0</b>		<b>x</b>
1 NO					
<b>Ready-to-close signaling switch (S20)</b>			<b>C 2 2</b>		<b>x</b>
1 NO					
<b>Signaling switches<sup>2)</sup></b>			<b>C 2 6</b>		<b>x</b>
For the first auxiliary trip unit (S22)			<b>C 2 7</b>		<b>x</b>
For the second auxiliary trip unit (S23)					
<b>Motor shutdown switch in the operator panel<sup>3)</sup></b>			<b>S 2 5</b>		<b>x</b>
<b>EMERGENCY-STOP pushbuttons</b>			<b>S 2 4</b>		<b>x</b>
Mushroom pushbutton instead of the mechanical OFF pushbutton					
<b>Door sealing frames</b>			<b>T 4 0</b>		<b>x</b>

x = additional price

1) Only possible with motorized operating mechanism.

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

3) Only for circuit breakers with motorized operating mechanism, not possible with order codes "C11", "C12".

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

5) Not possible with circuit breakers with very high switching capacity C.

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

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"												Add. price
			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									Order code for with-drawable version			
<b>Interlocks, covers, position indicator switches</b>															
<b>Mutual mechanical interlockings</b> (interlocking module with Bowden wire 2 m)			Fixed-mounted circuit breaker			S 5 5			-- -- --			x			
			For withdrawable circuit breakers with guide frame			--			R 5 5						
			For guide frames			--			R 5 6			x			
			For withdrawable circuit breakers			--			R 5 7			x			
<b>Arc chute covers</b> Not available for - 1000 V version (order code "A05") - DC version - 4000 A size II			3-pole Size I			--			R 1 0			x			
			Size II			--			R 1 0			x			
			Size III			--			R 1 0			x			
			4-pole Size I			--			R 1 0			x			
			Size II			--			R 1 0			x			
			Size III			--			R 1 0			x			
<b>Shutters</b> 2-part lockable with padlocks <sup>1)</sup>			3-pole Size I			--			R 2 1			x			
			Size II			--			R 2 1			x			
			Size III			--			R 2 1			x			
			4-pole Size I			--			R 2 1			x			
			Size II			--			R 2 1			x			
			Size III			--			R 2 1			x			
<b>Position indicator switches for guide frames</b>			Connected position	Test position	Disconnected position										
			1 CO	1 CO	1 CO	--			R 1 5			x			
			3 CO	2 CO	1 CO	--			R 1 6			x			
Add "-Z" to the complete Order No. and indicate the appropriate order code(s).			Order No. with "-Z"												Add. price
			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												
<b>Overload and short-circuit protection for neutral conductors</b>															
<b>Internal transformers for N conductors</b> 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			
<b>Protection of the N conductors only under single-pole loads IT network electronics including transformers for neutral conductor protection<sup>2)</sup></b> Only possible with 4-pole circuit breakers with ETU55B, IT network electronics is included as standard with all other ETUs.			Size I			F 3 0						x			
			Size II			F 3 0						x			
			Size III			F 3 0						x			
<b>EMC filters</b>															
<b>EMC filters</b>			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

<sup>1)</sup> Padlocks not included in scope of supply.

<sup>2)</sup> 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	
<b>Locking devices</b>					
<b>Locking devices against unauthorized closing, in the operator panels</b>					
The disconnector unit fulfills the requirements for main circuit breakers according to EN 60204 (VDE 0113)	Made by CES	S 0 1	x	S 0 1	x
	Made by IKON	S 0 3	x	S 0 3	x
	Assembly kit FORTRESS or Castell <sup>1)</sup>	S 0 5	x	S 0 5	x
	Assembly kit for padlocks <sup>2)</sup>	S 0 7	x	S 0 7	x
	Made by Ronis	S 0 8	x	S 0 8	x
	Made by Profalux	S 0 9	x	S 0 9	x
<b>EMERGENCY-STOP pushbuttons</b>	Mushroom pushbutton instead of the mechanical OFF pushbutton	S 2 4	x	S 2 4	x
<b>Locking devices against unauthorized closing, for withdrawable circuit breakers</b>					
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	--		R 6 1	x
	Made by Ronis	--		R 6 8	x
	Made by Profalux	--		R 6 0	x
<b>Locking devices for operating mechanism handles with padlock<sup>2)</sup></b>		S 3 3	x	S 3 3	x
<b>Locking devices to prevent movement of the withdrawable circuit breakers</b>					
Safety lock for mounting on the circuit breaker	Made by CES	--		S 7 1	x
	Made by Profalux	--		S 7 5	x
	Made by Ronis	--		S 7 6	x
<b>Locking mechanisms</b>					
<b>Locking devices to prevent movement of the withdrawable circuit breakers in disconnected positions,</b>					
consisting of Bowden wire and lock in the cabinet door	Made by CES	--		R 8 1	x
	Made by Profalux	--		R 8 5	x
	Made by Ronis	--		R 8 6	x
<b>Locking devices</b>					
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
<b>Connection methods for auxiliary conductors</b>					
<b>Connections for screwless terminals (tension spring)</b>		N 6 1	x	P 6 1	x

x = additional price

<sup>1)</sup> Locks must be ordered from the manufacturer.

<sup>2)</sup> 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

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 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>P 0 0</b> <b>P 0 0</b> <b>P 0 0</b> <b>P 0 0</b> <b>P 0 0</b>	<b>x</b> <b>x</b> <b>x</b> <b>x</b> <b>x</b>	<b>x</b> <b>x</b> <b>x</b> <b>x</b> <b>x</b>
Top and bottom: accessible from front, double hole	Size I, up to 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>P 0 1</b> <b>P 0 1</b> <b>P 0 1</b> <b>P 0 1</b> <b>P 0 1</b>	<b>x</b> <b>x</b> <b>x</b> <b>x</b> <b>x</b>	<b>x</b> <b>x</b> <b>x</b> <b>x</b> <b>x</b>
Top: horizontal, double hole	Size I, up to 1600 A Size II, up to 2000 A Size II, up to 2500 A	<b>P 0 7</b> <b>P 0 7</b> <b>P 0 7</b>	<b>x</b> <b>x</b> <b>x</b>	<b>x</b> <b>x</b> <b>x</b>
Bottom: accessible from front, single hole	Size II, up to 3200 A Size III, up to 4000 A	<b>P 0 7</b> <b>P 0 7</b>	<b>x</b> <b>x</b>	<b>x</b> <b>x</b>
Top: vertical	Size I, up to 1600 A Size II, up to 2000 A	<b>P 1 8</b> <b>P 1 8</b>	<b>x</b> <b>x</b>	<b>x</b> <b>x</b>
Bottom: horizontal	Size II, up to 2500 A Size II, up to 3200 A Size III, up to 4000 A Size III, up to 5000 A	<b>P 1 8</b> <b>P 1 8</b> <b>P 1 8</b> <b>P 1 8</b>	<b>x</b> <b>x</b> <b>x</b> <b>x</b>	<b>x</b> <b>x</b> <b>x</b> <b>x</b>
Top: connecting flange	Size I, up to 1600 A Size II, up to 2000 A	<b>P 1 9</b> <b>P 1 9</b>	<b>x</b> <b>x</b>	<b>x</b> <b>x</b>
Bottom: horizontal	Size II, up to 2500 A Size II, up to 3200 A Size III, up to 4000 A	<b>P 1 9</b> <b>P 1 9</b> <b>P 1 9</b>	<b>x</b> <b>x</b> <b>x</b>	<b>x</b> <b>x</b> <b>x</b>
Top: horizontal	Size I, up to 1600 A Size II, up to 2000 A	<b>P 2 3</b> <b>P 2 3</b>	<b>x</b> <b>x</b>	<b>x</b> <b>x</b>
Bottom: vertical	Size II, up to 2500 A Size II, up to 3200 A Size III, up to 4000 A Size III, up to 5000 A	<b>P 2 3</b> <b>P 2 3</b> <b>P 2 3</b> <b>P 2 3</b>	<b>x</b> <b>x</b> <b>x</b> <b>x</b>	<b>x</b> <b>x</b> <b>x</b> <b>x</b>

#### 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	Size I, up to 1600 A Size II, up to 2000 A	<b>N 1 1</b> <b>N 1 1</b>	<b>x</b> <b>x</b>	<b>x</b> <b>x</b>
Bottom: accessible from front, single hole	Size II, up to 2500 A Size II, up to 3200 A Size III, up to 4000 A	<b>N 1 1</b> <b>N 1 1</b> <b>N 1 1</b>	<b>x</b> <b>x</b> <b>x</b>	<b>x</b> <b>x</b> <b>x</b>
Top: vertical	Size I, up to 1600 A Size II, up to 2000 A	<b>N 2 0</b> <b>N 2 0</b>	<b>x</b> <b>x</b>	<b>x</b> <b>x</b>
Bottom: horizontal	Size II, up to 2500 A Size II, up to 3200 A Size III, up to 4000 A Size III, up to 5000 A	<b>N 2 0</b> <b>N 2 0</b> <b>N 2 0</b> <b>N 2 0</b>	<b>x</b> <b>x</b> <b>x</b> <b>x</b>	<b>x</b> <b>x</b> <b>x</b> <b>x</b>
Top: horizontal	Size I, up to 1600 A Size II, up to 2000 A	<b>N 2 4</b> <b>N 2 4</b>	<b>x</b> <b>x</b>	<b>x</b> <b>x</b>
Bottom: vertical	Size II, up to 2500 A Size II, up to 3200 A Size III, up to 4000 A Size III, up to 5000 A	<b>N 2 4</b> <b>N 2 4</b> <b>N 2 4</b> <b>N 2 4</b>	<b>x</b> <b>x</b> <b>x</b> <b>x</b>	<b>x</b> <b>x</b> <b>x</b> <b>x</b>

x = additional price

# 3WL Air Circuit Breakers

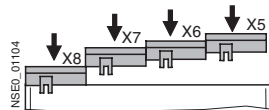
## 3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC)

### 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
<b>a First auxiliary supply connector X6 always required.</b>	<b>1</b>	X6
<b>b Operating mechanisms</b>		
b1 Manual operating mechanism with stored-energy feature with mechanical closing	<b>0</b>	
b2 Manual operating mechanism with stored-energy feature with mechanical and electrical closing	<b>0</b>	X6
b3 Manual/motorized operating mechanism with stored-energy feature with mechanical and electrical closing	<b>+1</b>	X5
<b>c Electronic trip units</b>		
c1 Electronic trip units ETU15B, ETU25B, ETU27B	<b>0</b>	
c2 Electronic trip units ETU45B, ETU55B, ETU76B (internal CubicleBUS)	<b>+1</b>	X8
Connections for external current transformers for overload protection in the N conductor and ground-fault protection		
c3 Current transformer installed in the N conductor (required with 3-pole circuit breakers if c2 is not selected)	<b>+1</b>	X8
c4 Current transformer in the neutral point of the transformer (required if c2 or c3 is not selected)	<b>+1</b>	X8
<b>d Auxiliary trip units</b>		
d1 With/without 1st auxiliary trip unit (shunt trip unit F1)	<b>0</b>	X6
d2 2nd auxiliary trip unit (shunt trip unit F2, undervoltage trip unit F3, delayable undervoltage trip unit F4)	<b>+1</b>	X5
<b>e Auxiliary switch blocks</b>		
e1 1st auxiliary switch block 2 NO + 2 NC	<b>0</b>	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)	<b>+1</b>	X5
<b>f Communications modules</b>		
f1 Without communications module COM15/COM16	<b>0</b>	
f2 With communications module COM15/COM16 – occupies the entire terminal strip X7, making the following options no longer possible:	<b>+1</b>	X7
<ul style="list-style-type: none"> <li>• Tripped signal switch S24</li> <li>• Stored-energy status indication S21</li> <li>• Electrical ON button S10</li> <li>• Signaling switch on first and second auxiliary trip unit S22 + S23</li> </ul>		
<b>g Optional signals/accessories</b>		
g1 Tripped signal switch S24 (only possible if f2 is not selected)	<b>+1</b>	X7
g2 Stored-energy status indication S21 (only possible if f2 is not selected, required if g1 is not selected)	<b>+1</b>	X7
g3 Electrical ON button S10 (only possible if f2 is not selected, required if g1 or g2 is not selected)	<b>+1</b>	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)	<b>+1</b>	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)	<b>+1</b>	X7
g6 Ready-to-close signaling switch S20	<b>0</b>	X6
g7 Motor shutdown switch S12 (only possible if motorized operating mechanism is selected)	<b>0</b>	X5
g8 Remote reset magnet F7 (required if c2 is not selected)	<b>+1</b>	X8
<b>h Total number of auxiliary supply connectors</b>	<b>(max. 4)</b>	

#### 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	Add. price
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 <b>3WL9 2 1 . . . . . -Z</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
	Code for "Further versions"-Z	
<b>Rated voltage 1000 V AC</b>		
Size II, except 4000 A (switching capacity H)	<b>A 0 5</b>	<b>x</b>
Size III, not necessary with circuit breakers with very high switching capacity C	<b>A 0 5</b>	<b>x</b>

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)				kg
<b>Front main circuit connection, single hole</b>								
I	1000	... 100	B	<b>3WL9 211-1AA□□-□□A1</b>	1	1 unit	103	25.000
I	1600	... 100	B	<b>3WL9 211-2AA□□-□□A1</b>	1	1 unit	103	25.000
II	2000	... 100	B	<b>3WL9 212-3AA□□-□□A1</b>	1	1 unit	103	31.000
II	2500	... 100	B	<b>3WL9 212-4AA□□-□□A1</b>	1	1 unit	103	39.000
II	3200	... 100	B	<b>3WL9 212-5AA□□-□□A1</b>	1	1 unit	103	45.000
III	4000	... 100	B	<b>3WL9 213-6AA□□-□□A1</b>	1	1 unit	103	60.000
<b>Front main circuit connection, double hole</b>								
I	1000	... 100	B	<b>3WL9 211-1AB□□-□□A1</b>	1	1 unit	103	25.000
I	1600	... 100	B	<b>3WL9 211-2AB□□-□□A1</b>	1	1 unit	103	25.000
II	2000	... 100	B	<b>3WL9 212-3AB□□-□□A1</b>	1	1 unit	103	31.000
II	2500	... 100	B	<b>3WL9 212-4AB□□-□□A1</b>	1	1 unit	103	39.000
II	3200	... 100	B	<b>3WL9 212-5AB□□-□□A1</b>	1	1 unit	103	45.000
III	4000	... 100	B	<b>3WL9 213-6AB□□-□□A1</b>	1	1 unit	103	60.000
<b>Horizontal main circuit connection</b>								
I	1000	... 100	B	<b>3WL9 211-1AC□□-□□A1</b>	1	1 unit	103	25.000
I	1600	... 100	B	<b>3WL9 211-2AC□□-□□A1</b>	1	1 unit	103	25.000
II	2000	... 100	B	<b>3WL9 212-3AC□□-□□A1</b>	1	1 unit	103	31.000
II	2500	... 100	B	<b>3WL9 212-4AC□□-□□A1</b>	1	1 unit	103	39.000
II	3200	... 100	B	<b>3WL9 212-5AC□□-□□A1</b>	1	1 unit	103	45.000
III	4000	... 100	B	<b>3WL9 213-6AC□□-□□A1</b>	1	1 unit	103	60.000
III	5000	... 100	B	<b>3WL9 213-7AC□□-□□A1</b>	1	1 unit	103	60.000
III	4000	... 150	B	<b>3WL9 213-6AC□□-□□C1</b>	1	1 unit	103	63.000
III	5000	... 150	B	<b>3WL9 213-7AC□□-□□C1</b>	1	1 unit	103	63.000
<b>Vertical main circuit connection</b>								
I	1000	... 100	B	<b>3WL9 211-1AD□□-□□A1</b>	1	1 unit	103	25.000
I	1600	... 100	B	<b>3WL9 211-2AD□□-□□A1</b>	1	1 unit	103	25.000
II	2000	... 100	B	<b>3WL9 212-3AD□□-□□A1</b>	1	1 unit	103	31.000
II	2500	... 100	B	<b>3WL9 212-4AD□□-□□A1</b>	1	1 unit	103	39.000
II	3200	... 100	B	<b>3WL9 212-5AD□□-□□A1</b>	1	1 unit	103	45.000
II	4000	... 100	B	<b>3WL9 212-6AD□□-□□A1</b>	1	1 unit	103	52.000
III	4000	... 100	B	<b>3WL9 213-6AD□□-□□A1</b>	1	1 unit	103	60.000
III	5000	... 100	B	<b>3WL9 213-7AD□□-□□A1</b>	1	1 unit	103	60.000
III	6300	... 100	B	<b>3WL9 213-8AD□□-□□A1</b>	1	1 unit	103	70.000
III	4000	... 150	B	<b>3WL9 213-6AD□□-□□C1</b>	1	1 unit	103	63.000
III	5000	... 150	B	<b>3WL9 213-7AD□□-□□C1</b>	1	1 unit	103	63.000
III	6300	... 150	B	<b>3WL9 213-8AD□□-□□C1</b>	1	1 unit	103	74.000
<b>Main circuit connection connecting flanges</b>								
I	1000	... 100	B	<b>3WL9 211-1AE□□-□□A1</b>	1	1 unit	103	25.000
I	1600	... 100	B	<b>3WL9 211-2AE□□-□□A1</b>	1	1 unit	103	25.000
II	2000	... 100	B	<b>3WL9 212-3AE□□-□□A1</b>	1	1 unit	103	31.000
II	2500	... 100	B	<b>3WL9 212-4AE□□-□□A1</b>	1	1 unit	103	39.000
II	3200	... 100	B	<b>3WL9 212-5AE□□-□□A1</b>	1	1 unit	103	45.000
III	4000	... 100	B	<b>3WL9 213-6AE□□-□□A1</b>	1	1 unit	103	60.000

### Number of auxiliary supply connectors

None

1 connector

2 connectors

3 connectors

4 connectors

For required number of auxiliary supply connectors, see table on page 15/28

### Type of auxiliary circuit connections

None

With screw connections (SIGUT)

With screwless connection method (tension spring)

### Position indicator switches

None

Option 1

Connected position 1 CO contacts,  
test position 1 CO contacts,  
disconnected position 1 CO contact

Option 2

Connected position 3 CO contacts,  
test position 2 CO contacts,  
disconnected position 1 CO contact

### Shutters

None

With shutter,

2-part,

lockable

Size I

Size II

Size III

x = additional price

Order No. supplements

0

1

2

3

4

Add. price

without

x

x

x

x

0

1

2

without

x

x

0

1

without

x

2

x

A

B

without

x

x

x

x

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.
<b>Front main circuit connection, single hole</b>								
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
<b>Front main circuit connection, double hole</b>								
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
<b>Horizontal main circuit connection</b>								
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
<b>Vertical main circuit connection</b>								
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
<b>Main circuit connection connecting flanges</b>								
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

- 1 connector
- 2 connectors
- 3 connectors
- 4 connectors

For required number of auxiliary supply connectors,  
see table on page 15/28

#### Type of auxiliary circuit connections

None

With screw connections (SIGUT)

With screwless connection method (tension spring)

#### Position indicator switches

None

Option 1

Connected position 1 CO contacts,  
test position 1 CO contacts,  
disconnected position 1 CO contact

Option 2

Connected position 3 CO contacts,  
test position 2 CO contacts,  
disconnected position 1 CO contact

#### Shutters

None

With shutter,  
2-part,  
lockable

Size I  
Size II  
Size III

#### Order No. supplements

0

1

2

3

4

#### Add. price

without

x

x

x

x

0

1

2

without

x

x

0

1

without

x

2

x

A

B

without

x

x

x

x = additional price


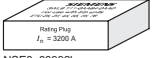


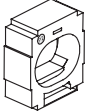
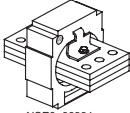
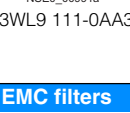
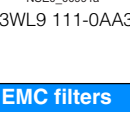
For rated voltage 1000 V AC see page 15/28.

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

## 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
<b>Protective devices with device holder and optional measurement function<sup>1)</sup></b>							
 NSE0_01610b 3WL9 31-..AA.0-0AA1	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 <i>Plus</i>	C B	3WL9 314-5AA00-0AA2 3WL9 314-5AA20-0AA2	1 1 unit 1 1 unit	103 on req. 103 on req.
	ETU55B	LSIN(G)	without with measurement function <i>Plus</i>	C B	3WL9 315-5AA00-0AA1 3WL9 315-5AA20-0AA1	1 1 unit 1 1 unit	103 0.720 103 0.720
	ETU76B	LSIN(G)	without with measurement function <i>Plus</i>	C B	3WL9 317-6AA00-0AA2 3WL9 317-6AA20-0AA2	1 1 unit 1 1 unit	103 on req. 103 on req.
<b>Rated current modules / Rating plugs<sup>2)</sup></b>							
 NSE0_00992b 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	
<b>Ground-fault modules<sup>3)</sup></b>							
 NSE0_01027a 3WL9 111-0AT53-0AA0	<b>GFM AT 45B</b> (only for ETU45B) alarm and tripping		B	3WL9 111-0AT53-0AA0	1 1 unit	103	0.030
	<b>GFM AT 55B-76B</b> (only for ETU55B, ETU76B) alarm and tripping		B	3WL9 111-0AT56-0AA0	1 1 unit	103	0.030
<b>Displays</b>							
 NSE0_01609 3WL9 111-0AT81-0AA0	<b>4-line displays for ETU45B</b>		B	3WL9 111-0AT81-0AA0	1 1 unit	103	0.060
<b>Transformers for neutral conductor protection</b>							
 NSE0_00990a 3WL9 111-0AA2-0AA0	<b>Internal transformers for N conductors</b>		Size I	B	3WL9 111-0AA11-0AA0	1 1 unit	103 0.200
	(nicht für ETU Release 2)		Size II	B	3WL9 111-0AA12-0AA0	1 1 unit	103 0.280
	Including wiring kit		Size III	B	3WL9 111-0AA13-0AA0	1 1 unit	103 0.500
 NSE0_00991a 3WL9 111-0AA3-0AA0	<b>External transformers for N conductors</b>		Size I	B	3WL9 111-0AA21-0AA0	1 1 unit	103 0.300
	With copper connection pieces		Size II	B	3WL9 111-0AA22-0AA0	1 1 unit	103 0.380
	(T5, see Technical Information LV 1 T, "Functions", "Measurement Method")		Size III	B	3WL9 111-0AA23-0AA0	1 1 unit	103 0.680
 NSE0_00991a 3WL9 111-0AA3-0AA0	<b>External transformers for N conductors</b>		Size I	B	3WL9 111-0AA31-0AA0	1 1 unit	103 1.600
	With copper connection pieces		Size II	B	3WL9 111-0AA32-0AA0	1 1 unit	103 4.260
	(T5, see Technical Information LV 1 T, "Functions", "Measurement Method")		Size III	B	3WL9 111-0AA33-0AA0	1 1 unit	103 8.500
 NSE0_00991a 3WL9 111-0AA3-0AA0	<b>Internal transformers for N conductors</b>		Size I	B	3WL9 111-0AA14-0AA0	1 1 unit	103 0.200
	für ETU Release 2		Size II	B	3WL9 111-0AA15-0AA0	1 1 unit	103 0.280
	Including wiring kit		Size III	B	3WL9 111-0AA16-0AA0	1 1 unit	103 0.500
<b>EMC filters</b>							
<b>EMC filters</b>		not for ETU Release 2	X	3WL9 111-0AK32-0AA0	1 1 unit	103	on req.
Common-mode interference suppressor 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							

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

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

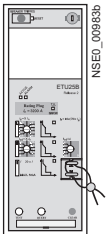
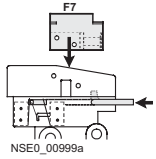
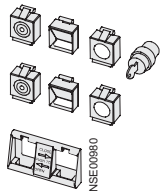
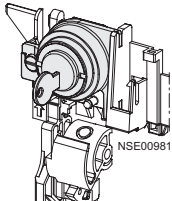
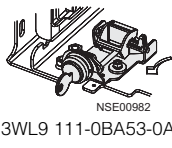
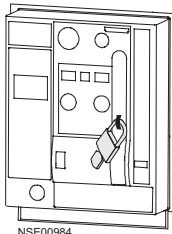
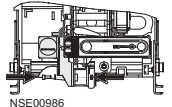
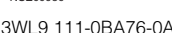
<sup>3)</sup> For direct measurement of the ground-fault current, e.g. in the neutral point of the transformer, a 1200 A/1 A current transformer, class 1, is required. The internal load of the SENTRON 3WL is 0.11  $\Omega$ . If the ground-fault current is to be determined using the vectorial sum of the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

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

# 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
<b>Locking devices, operator control elements</b>							
 NSE0_00933b	<b>Sealable covers</b>	For ETU15B to ETU55B	B	<b>3WL9 111-0AT45-0AA0</b>	1	1 unit	103 0.050
		For ETU76	B	<b>3WL9 111-0AT46-0AA0</b>	1	1 unit	103 0.050
	<b>Automatic reset of the lockout devices</b>	Spare part for option <b>K01</b> , see "-Z" + order code, <a href="#">page 15/24</a> .	B	<b>3WL9 111-0AK21-0AA0</b>	1	1 unit	103 on req.
	<b>Remote reset solenoids<sup>1)</sup></b>	24 V DC	B	<b>3WL9 111-0AK03-0AA0</b>	1	1 unit	103 0.200
	For mechanical tripped indicator	48 V DC	B	<b>3WL9 111-0AK04-0AA0</b>	1	1 unit	103 0.200
	Spare part for option <b>K10 to K13</b> , see "-Z" + order code, <a href="#">page 15/24</a> .	120 V AC/ 125 V DC	B	<b>3WL9 111-0AK05-0AA0</b>	1	1 unit	103 0.200
		220-240 V AC/ 220-250 V DC	B	<b>3WL9 111-0AK06-0AA0</b>	1	1 unit	103 0.200
3WL9 111-0AT45-0AA0							
 NSE0_00999a	<b>Retrofittable internal CubicleBUS wiring for connection to terminal X8</b>	For ETU45B to ETU76B	B	<b>3WL9 111-0AK30-0AA0</b>	1	1 unit	103 0.150
		(without male connector <sup>2)</sup> )					
	<b>Retrofittable internal wiring for connection of the external N- and G-transformers to terminal X8</b>	(without male connector, not for ETU release 2)	D	<b>3WL9 111-0AK31-0AA0</b>	1	1 unit	103 0.020
	<b>Retrofittable internal wiring for connection of the external N- and G-transformers to terminal X8 for ETU release 2</b>	(without male connector)	D	<b>3WL9 111-0AK33-0AA0</b>	1	1 unit	103 0.020
3WL9 111-0AK0.-0AA0							
<b>Locking devices</b>							
 NSE00980	<b>Protective covers for mechanical ON/OFF</b>	Without safety lock	B	<b>3WL9 111-0BA21-0AA0</b>	1	1 unit	103 0.100
		Made by CES	B	<b>3WL9 111-0BA22-0AA0</b>	1	1 unit	103 0.300
		Made by IKON	B	<b>3WL9 111-0BA24-0AA0</b>	1	1 unit	103 0.300
	Consisting of 2 transparent covers each for sealing or for attaching padlocks <sup>4)</sup> , cover with 6.35 mm hole (for tool actuation), lock mount for safety lock for key operation						
3WL9 111-0BA22-0AA0							
 NSE00981	<b>Locking devices against unauthorized closing, in the operator panel</b>	Assembly kit FORTRESS or CASTELL <sup>3)</sup>	B	<b>3WL9 111-0BA31-0AA0</b>	1	1 unit	103 0.200
		Made by Ronis	B	<b>3WL9 111-0BA33-0AA0</b>	1	1 unit	103 0.400
		Made by KIRK-Key	B	<b>3WL9 111-0BA34-0AA0</b>	1	1 unit	103 0.270
		Made by Profalux	B	<b>3WL9 111-0BA35-0AA0</b>	1	1 unit	103 0.250
		Made by CES	B	<b>3WL9 111-0BA36-0AA0</b>	1	1 unit	103 0.200
		Made by IKON	B	<b>3WL9 111-0BA38-0AA0</b>	1	1 unit	103 0.200
	Spare part for option <b>S01 to S09</b> , see "-Z" + order code, <a href="#">page 15/26</a> .	Assembly kit for padlocks <sup>4)</sup>	B	<b>3WL9 111-0BA41-0AA0</b>	1	1 unit	103 0.360
3WL9 111-0BA31-0AA0							
 NSE00982	<b>Locking devices against unauthorized closing, for withdrawable circuit breakers</b>	Made by CES	B	<b>3WL9 111-0BA51-0AA0</b>	1	1 unit	103 0.300
		Made by IKON	B	<b>3WL9 111-0BA53-0AA0</b>	1	1 unit	103 0.300
		Made by KIRK-Key	B	<b>3WL9 111-0BA57-0AA0</b>	1	1 unit	103 0.300
		Made by Ronis	B	<b>3WL9 111-0BA58-0AA0</b>	1	1 unit	103 0.300
		Made by Profalux	B	<b>3WL9 111-0BA50-0AA0</b>	1	1 unit	103 on req.
	The disconnecter 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						
3WL9 111-0BA53-0AA0							
 NSE00984	Spare part for option <b>R60, R61, R68</b> , see "-Z" + order code, <a href="#">page 15/26</a> .						
	<b>Locking devices for operating mechanism handle with padlock<sup>4)</sup></b>		B	<b>3WL9 111-0BA71-0AA0</b>	1	1 unit	103 0.080
	Spare part for option <b>S33</b> , see "-Z" + order code, <a href="#">page 15/26</a> .						
3WL9 111-0BA71-0AA0							
 NSE00986	<b>Locking devices against movement of the withdrawable circuit breaker</b>	Made by CES	B	<b>3WL9 111-0BA73-0AA0</b>	1	1 unit	103 0.300
		Made by IKON	B	<b>3WL9 111-0BA75-0AA0</b>	1	1 unit	103 0.200
		Made by Profalux	B	<b>3WL9 111-0BA76-0AA0</b>	1	1 unit	103 0.300
		Made by Ronis	B	<b>3WL9 111-0BA77-0AA0</b>	1	1 unit	103 0.300
		Made by KIRK-Key	B	<b>3WL9 111-0BA80-0AA0</b>	1	1 unit	103 0.400
	Safety lock for mounting on the circuit breaker.						
	Spare part for option <b>S71, S75, S76</b> , see "-Z" + order code, <a href="#">page 15/26</a> .						
3WL9 111-0BA71-0AA0							
 NSE00986	<b>Interlocking systems</b>	Made by CES	B	<b>3WL9 111-0BA43-0AA0</b>	1	1 unit	103 0.360
		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.					
3WL9 111-0BA76-0AA0							

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

<sup>2)</sup> Required if communication is retrofitted.

<sup>3)</sup> Locks must be ordered from the manufacturer.

<sup>4)</sup> Padlock not included in the scope of supply.

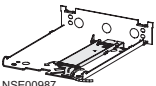
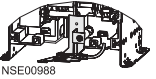
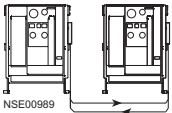
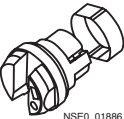
■ Start of delivery on request.



# 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		
<b>Locking mechanisms</b>									
 <p>NSE00987</p> <p>3WL9 111-0BA83-0AA0</p>	<b>To prevent movement of the withdrawable circuit breakers in disconnected positions,</b> consisting of Bowden wire and lock in the cabinet door		Made by CES Made by IKON Made by Profalux Made by Ronis	B <b>3WL9 111-0BA81-0AA0</b> B <b>3WL9 111-0BA83-0AA0</b> B <b>3WL9 111-0BA85-0AA0</b> B <b>3WL9 111-0BA86-0AA0</b>	1 1 1 1	1 unit 1 unit 1 unit 1 unit	103 103 103 103	0.800 0.800 0.800 0.800	
	Spare part for option <b>R81, R85, R86</b> , see "-Z" + order code, <a href="#">page 15/26</a> .								
	 <p>NSE00988</p> <p>3WL9 111-0BB12-0AA0</p>	<b>To prevent opening of the cabinet door in ON position</b> (can be defeated) Spare part for option <b>S30</b> , see "-Z" + order code, <a href="#">page 15/26</a> .		Fixed mounting	B <b>3WL9 111-0BB12-0AA0</b>	1	1 unit	103	on req.
		<b>To prevent opening of the cabinet door</b> (can be defeated) Spare part for option <b>R30</b> , see "-Z" + order code, <a href="#">page 15/26</a> .		Guide frames	B <b>3WL9 111-0BB13-0AA0</b>	1	1 unit	103	0.150
<b>To prevent movement with the cabinet door open</b> Spare part for option <b>R50</b> , see "-Z" + order code, <a href="#">page 15/26</a> .		Guide frames	B <b>3WL9 111-0BB15-0AA0</b>	1	1 unit	103	on req.		
<b>Interlocks</b>									
 <p>NSE00989</p> <p>3WL9 111-0BB21-0AA0</p>	<b>Mutual mechanical interlocking,</b> with 2000 mm Bowden wire (one required for each circuit breaker)		Fixed-mounted circuit breaker	B <b>3WL9 111-0BB21-0AA0</b>	1	1 unit	103	2.700	
	Spare part for option <b>S55</b> , see "-Z" + order code, <a href="#">page 15/25</a> .								
		Module for withdrawable circuit breaker with frame	B <b>3WL9 111-0BB24-0AA0</b>	1	1 unit	103	1.130		
		Spare part for option <b>R55</b> , see "-Z" + order code, <a href="#">page 15/25</a> .							
		<u>When ordered separately</u>							
		Module for guide frame	B <b>3WL9 111-0BB22-0AA0</b>	1	1 unit	103	1.100		
		Spare part for option <b>R56</b> , see "-Z" + order code, <a href="#">page 15/25</a> .							
		Module for withdrawable circuit breaker	B <b>3WL9 111-0BB23-0AA0</b>	1	1 unit	103	0.150		
		Spare part for option <b>R57</b> , see "-Z" + order code, <a href="#">page 15/25</a> .							
		Adapter for size III Withdrawable circuit breaker	B <b>3WL9 111-0BB30-0AA0</b>	1	1 unit	103	on req.		
<b>Couplings on the circuit breaker (with ring) for mutual interlocking</b> Can be used in all circuit breakers			B <b>3WL9 112-8AH47-0AA0</b>	1	1 unit	103	0.160		
 <p>NSE0_01886</p> <p>3WL9 112-8HA47-0AA0</p>	<b>Bowden wires</b>		2000 mm	B <b>3WL9 111-0BB45-0AA0</b>	1	1 unit	103	0.150	
			3000 mm	B <b>3WL9 111-0BB46-0AA0</b>	1	1 unit	103	0.220	
			4500 mm	B <b>3WL9 111-0BB47-0AA0</b>	1	1 unit	103	0.360	

# 3WL Air Circuit Breakers

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

### Accessories/spare parts

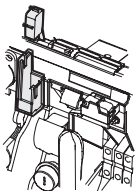
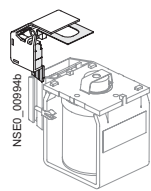
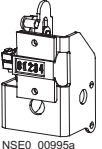
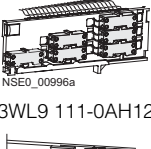

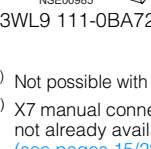



Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg	
<b>Test devices</b>								
<b>Manual testers release 2 for electronic trip units ETU15B to ETU76B<sup>1)</sup></b> For testing the electronic trip unit functions	B	<b>3WL9 111-0AT32-0AA0</b>		1	1 unit	103	1.100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

<sup>1)</sup> 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
<b>Indicators, control elements</b>							
 NSE0_00993a		<b>Ready-to-close indicator switches</b> 1 NO contact	B	<b>3WL9 111-0AH01-0AA0</b>		1	1 unit 103 0.020
		Spare part for option <b>C22</b> , see "-Z" + order code, <a href="#">page 15/23</a> .					
 NSE0_00984c		<b>Signaling switches</b> <sup>1)2)</sup> 1st or 2nd auxiliary trip units	B	<b>3WL9 111-0AH02-0AA0</b>		1	1 unit 103 0.020
		Spare part for option <b>C26</b> and <b>C27</b> , see "-Z" + order code, <a href="#">page 15/23</a> .					
 NSE0_00995a		<b>Tripped signaling switches</b> <sup>1)2)</sup> 1 CO	B	<b>3WL9 111-0AH14-0AA0</b>		1	1 unit 103 0.080
		Spare part for option <b>K07</b> , see "-Z" + order code, <a href="#">page 15/24</a> .					
 NSE0_00984c		<b>Operating cycles counters</b> , mechanical <sup>3)</sup>	B	<b>3WL9 111-0AH07-0AA0</b>		1	1 unit 103 0.100
		Spare part for option <b>C01</b> , see "-Z" + order code, <a href="#">page 15/23</a> .					
 NSE0_00995a		<b>Stored energy status signaling switches</b> <sup>1)2)</sup> 1 NO contact	B	<b>3WL9 111-0AH08-0AA0</b>		1	1 unit 103 0.030
		Spare part for option <b>C20</b> , see "-Z" + order code, <a href="#">page 15/23</a> .					
 NSE0_00995a		<b>Position indicator switches for guide frames</b> 1st block (3 CO contacts)	B	<b>3WL9 111-0AH11-0AA0</b>		1	1 unit 103 0.200
		Spare part for option <b>R15</b> and <b>R16</b> , see "-Z" + order code, <a href="#">page 15/25</a> .					
 NSE0_00996a		<b>Electrical ON buttons</b> <sup>1)4)</sup> With sealing cap	B	<b>3WL9 111-0AJ02-0AA0</b>		1	1 unit 103 0.150
		(button+wiring) <sup>2)</sup> , for operator panel.					
 NSE0_00996a		With CES assembly kit	B	<b>3WL9 111-0AJ03-0AA0</b>		1	1 unit 103 0.140
		Possible only for circuit breakers with closing solenoid.					
 NSE0_00996a		With BKS assembly kit	B	<b>3WL9 111-0AJ04-0AA0</b>		1	1 unit 103 0.140
 NSE0_00996a		With IKON assembly kit	B	<b>3WL9 111-0AJ05-0AA0</b>		1	1 unit 103 0.140
 NSE0_00997a		<b>Motor shutdown switches</b> <sup>5)</sup> (mounting on operator panel)	B	<b>3WL9 111-0AJ06-0AA0</b>		1	1 unit 103 0.100
		Spare part for option <b>C11</b> and <b>C12</b> , see "-Z" + order code, <a href="#">page 15/23</a> .					
 NSE00985		<b>EMERGENCY-STOP pushbuttons</b> Mushroom pushbutton instead of the mechanical OFF pushbutton	B	<b>3WL9 111-0BA72-0AA0</b>		1	1 unit 103 0.080
		Spare part for option <b>S24</b> , see "-Z" + order code, <a href="#">page 15/23</a> .					

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.

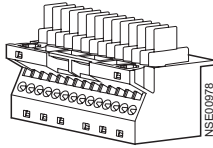
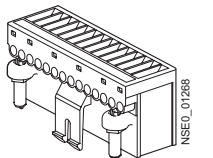
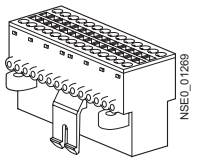
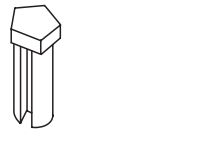
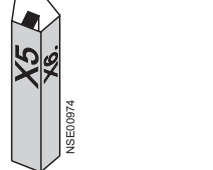
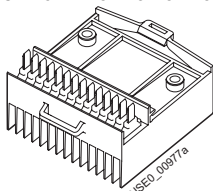
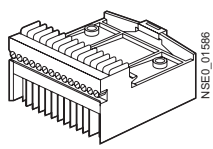
4) Not possible with motor shutdown switch.

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)

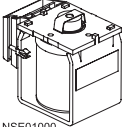
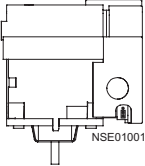
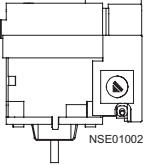
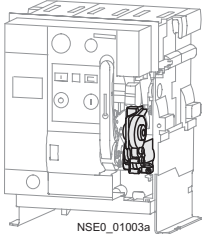
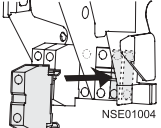
### Accessories/spare parts

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

# 3WL Air Circuit Breakers

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

### Accessories/spare parts

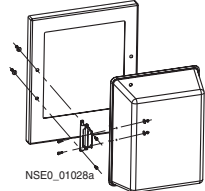
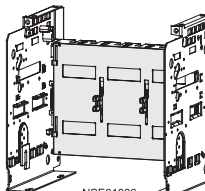
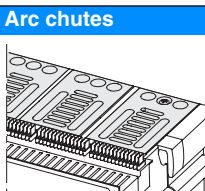
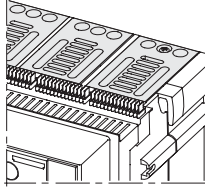
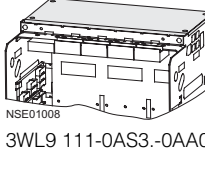
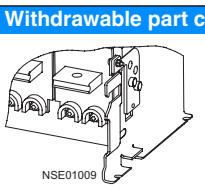
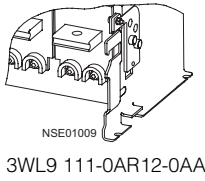
Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>Auxiliary trip units</b>							
<b>Closing solenoids/shunt trip units</b>							
 NSE01000 3WL9 111-0AD06-0AA0		24 V DC	100 % ON period	B	<b>3WL9 111-0AD01-0AA0</b>	1	1 unit 103 0.700
		30 V DC		B	<b>3WL9 111-0AD02-0AA0</b>	1	1 unit 103 0.700
		48 V DC		B	<b>3WL9 111-0AD03-0AA0</b>	1	1 unit 103 0.700
		60 V DC		B	<b>3WL9 111-0AD04-0AA0</b>	1	1 unit 103 0.700
		110 ... 125 V DC/110 V AC		B	<b>3WL9 111-0AD05-0AA0</b>	1	1 unit 103 0.700
		220 V DC/230 V AC		B	<b>3WL9 111-0AD06-0AA0</b>	1	1 unit 103 0.700
 NSE01001 3WL9 111-0AE0.-0AA0		24 V DC	5 % ON period	B	<b>3WL9 111-0AD11-0AA0</b>	1	1 unit 103 0.700
		48 V DC		B	<b>3WL9 111-0AD12-0AA0</b>	1	1 unit 103 0.700
		110 ... 125 V DC/110 ... 127 V AC		B	<b>3WL9 111-0AD13-0AA0</b>	1	1 unit 103 0.700
		220 ... 250 V DC/208 ... 240 V AC		B	<b>3WL9 111-0AD14-0AA0</b>	1	1 unit 103 1.800
<b>Undervoltage trip units</b>							
 NSE01002 3WL9 111-0AE1.-0AA0		Instantaneous					
		24 V DC		B	<b>3WL9 111-0AE01-0AA0</b>	1	1 unit 103 0.730
		30 V DC		B	<b>3WL9 111-0AE02-0AA0</b>	1	1 unit 103 0.730
		48 V DC		B	<b>3WL9 111-0AE03-0AA0</b>	1	1 unit 103 0.730
		60 V DC		B	<b>3WL9 111-0AE07-0AA0</b>	1	1 unit 103 0.730
		110 ... 125 V DC/110 ... 127 V AC		B	<b>3WL9 111-0AE04-0AA0</b>	1	1 unit 103 0.730
		220 ... 250 V DC/208 ... 240 V AC		B	<b>3WL9 111-0AE05-0AA0</b>	1	1 unit 103 0.730
		380 ... 415 V AC		B	<b>3WL9 111-0AE06-0AA0</b>	1	1 unit 103 0.730
		Delayed					
		48 V DC		B	<b>3WL9 111-0AE11-0AA0</b>	1	1 unit 103 0.740
		110 ... 125 V DC/110 ... 127 V AC		B	<b>3WL9 111-0AE12-0AA0</b>	1	1 unit 103 0.740
		220 ... 250 V DC/208 ... 240 V AC		B	<b>3WL9 111-0AE13-0AA0</b>	1	1 unit 103 0.740
		380 ... 415 V AC		B	<b>3WL9 111-0AE14-0AA0</b>	1	1 unit 103 0.740
	<b>Operating mechanisms</b>						
<b>Motorized operating mechanisms<sup>1)</sup></b>							
 NSE0_01003a 3WL9 111-0AF0.-0AA0		24 ... 30 V DC		B	<b>3WL9 111-0AF01-0AA0</b>	1	1 unit 103 1.510
		48 ... 60 V DC		B	<b>3WL9 111-0AF02-0AA0</b>	1	1 unit 103 1.510
		110 ... 125 V DC/110 ... 127 V AC		B	<b>3WL9 111-0AF03-0AA0</b>	1	1 unit 103 1.510
		220 ... 250 V DC/208 ... 240 V AC		B	<b>3WL9 111-0AF04-0AA0</b>	1	1 unit 103 1.510
<b>Auxiliary contacts</b>							
 NSE01004 3WL9 111-0AG03-0AA0		<b>Auxiliary switch blocks</b>					
		2 NO + 2 NC		B	<b>3WL9 111-0AG01-0AA0</b>	1	1 unit 103 0.180
		2 NO		B	<b>3WL9 111-0AG02-0AA0</b>	1	1 unit 103 0.080
	1 NO + 1 NC		B	<b>3WL9 111-0AG03-0AA0</b>	1	1 unit 103 0.070	

<sup>1)</sup> 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


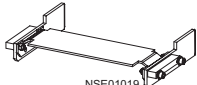
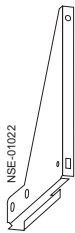
Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg		
<b>Door sealing frames, covers, shutters</b>									
 <p>NSE01028a</p>	<b>Door sealing frames</b>	B	<b>3WL9 111-0AP01-0AA0</b>		1	1 unit	103	0.360	
	Spare part for option <b>T40</b> , see "-Z" + order code, <a href="#">page 15/23</a> .								
 <p>NSE01006</p>	<b>Protective covers, IP55</b>	B	<b>3WL9 111-0AP02-0AA0</b>		1	1 unit	103	1.600	
	Cannot be used in conjunction with door sealing frames, cover removable and can be opened on both sides								
 <p>NSE01006</p>	<b>Shutters</b>								
	Spare part for option <b>R21</b> , see "-Z" + order code, <a href="#">page 15/25</a> .								
	3-pole	Size I	B	<b>3WL9 111-0AP04-0AA0</b>		1	1 unit	103	0.500
		Size II	B	<b>3WL9 111-0AP06-0AA0</b>		1	1 unit	103	0.630
		Size III	B	<b>3WL9 111-0AP07-0AA0</b>		1	1 unit	103	0.860
	4-pole	Size I	B	<b>3WL9 111-0AP08-0AA0</b>		1	1 unit	103	0.600
		Size II	B	<b>3WL9 111-0AP11-0AA0</b>		1	1 unit	103	0.770
		Size III	B	<b>3WL9 111-0AP12-0AA0</b>		1	1 unit	103	1.070
	3WL9 111-0AP0.-0AA0								
<b>Arc chutes</b>									
 <p>NSE01007</p>	<b>Arc chutes</b>								
	690 V	Size I	B	<b>3WL9 111-0AS01-0AA0</b>		1	1 unit	103	1.110
		Size II	B	<b>3WL9 111-0AS02-0AA0</b>		1	1 unit	103	1.680
	Size III	B	<b>3WL9 111-0AS03-0AA0</b>		1	1 unit	103	2.980	
 <p>NSE01007</p>	1000 V	Size II	B	<b>3WL9 111-0AS05-0AA0</b>		1	1 unit	103	3.140
		Size III	B	<b>3WL9 111-0AS06-0AA0</b>		1	1 unit	103	5.620
3WL9 111-0AS0.-0AA0									
 <p>NSE01008</p>	<b>Arc chute covers<sup>1)</sup></b>								
	Parts kit for guide frame								
	Spare part for option <b>R10</b> , see "-Z" + order code, <a href="#">page 15/25</a> .								
	3-pole	Size I	B	<b>3WL9 111-0AS32-0AA0</b>		1	1 unit	103	1.850
		Size II	B	<b>3WL9 111-0AS36-0AA0</b>		1	1 unit	103	2.600
		Size III	B	<b>3WL9 111-0AS38-0AA0</b>		1	1 unit	103	4.050
3WL9 111-0AS3.-0AA0									
4-pole	Size I	B	<b>3WL9 111-0AS42-0AA0</b>		1	1 unit	103	2.340	
	Size II	B	<b>3WL9 111-0AS44-0AA0</b>		1	1 unit	103	3.300	
	Size III	B	<b>3WL9 111-0AS46-0AA0</b>		1	1 unit	103	5.210	
3WL9 111-0AS4.-0AA0									
<b>Withdrawable part coding</b>									
 <p>NSE01009</p>	<b>Withdrawable part coding</b>	B	<b>3WL9 111-0AR12-0AA0</b>		1	1 unit	103	0.400	
	By customer, for 36 coding variants								
3WL9 111-0AR12-0AA0									

<sup>1)</sup> 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

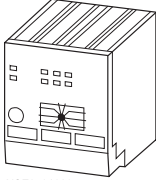
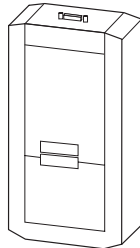
Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>Ground-fault protection</b>							
<b>Ground-fault protection between the guide frame and the withdrawable circuit breakers</b>							
For 30 kA ground short-circuit current <sup>1)</sup>							
Contact module for guide frame							
 NSE0 01018a	Size I, II	B	<b>3WL9 111-0BA01-0AA0</b>		1	1 unit	103 0.330
3WL9 111-0BA02-0AA0	Size III	B	<b>3WL9 111-0BA02-0AA0</b>		1	1 unit	103 0.350
<b>Contact modules for withdrawable circuit breakers</b>							
3-pole							
 NSE01019	Size I	B	<b>3WL9 111-0BA05-0AA0</b>		1	1 unit	103 1.250
	Size II	B	<b>3WL9 111-0BA06-0AA0</b>		1	1 unit	103 1.530
3WL9 111-0BA07-0AA0	Size III	B	<b>3WL9 111-0BA07-0AA0</b>		1	1 unit	103 2.270
4-pole							
	Size I	B	<b>3WL9 111-0BA08-0AA0</b>		1	1 unit	103 1.500
	Size II	B	<b>3WL9 111-0BA04-0AA0</b>		1	1 unit	103 1.850
	Size III	B	<b>3WL9 111-0BA10-0AA0</b>		1	1 unit	103 2.950
<b>Support brackets</b>							
 NSE-01022		B	<b>3WL9 111-0BB50-0AA0</b>		1	1 unit	103 7.000
3WL9 111-0BB50-0AA0							

<sup>1)</sup> 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
<b>CubicleBUS modules<sup>1)</sup></b>							
 <p>NSE0_01023a</p> <p>3WL9 111-0AT23-0AA0</p>		<b>Digital output modules with rotary coding switch, relay outputs</b>	B	<b>3WL9 111-0AT26-0AA0</b>		1 1 unit 103	0.240
		<b>Digital output modules, configurable, relay outputs</b>	B	<b>3WL9 111-0AT20-0AA0</b>		1 1 unit 103	0.310
		<b>Digital input modules</b>	B	<b>3WL9 111-0AT27-0AA0</b>		1 1 unit 103	0.240
		<b>Analog output modules</b>	B	<b>3WL9 111-0AT23-0AA0</b>		1 1 unit 103	0.240
		<b>Zone Selective Interlocking modules</b>	B	<b>3WL9 111-0AT21-0AA0</b>		1 1 unit 103	0.240
<b>Parameterization systems</b>							
 <p>NSE0_01024a</p> <p>3WL9 111-0AT28-0AA0</p>		<b>Breaker Data Adapter (BDA)</b>	B	<b>3WL9 111-0AT28-0AA0</b>		1 1 unit 103	0.900
		<b>BDA Plus</b>	B	<b>3WL9 111-0AT33-0AA0</b>		1 1 unit 103	on req.
		<b>Connection cables for BDA Plus</b>	B	<b>3WL9 111-0BC21-0AA0</b>		1 1 unit 103	on req.
		<b>Switch ES Power parameterization software</b>	A	<b>3ZS2 311-0CC10-0YA0</b>		1 1 unit 133	on req.
<b>Accessories for communications</b>							
<b>Preassembled cables for CubicleBUS modules</b>		0.2 m long, for connection to SENTRON 3WL with COM15/COM16	B	<b>3WL9 111-0BC04-0AA0</b>		1 1 unit 103	on req.
		1 m long, for connection to SENTRON 3WL with COM15/COM16	B	<b>3WL9 111-0BC02-0AA0</b>		1 1 unit 103	0.050
		2 m long, for connection to SENTRON 3WL with COM15/COM16	B	<b>3WL9 111-0BC03-0AA0</b>		1 1 unit 103	0.060
		2 m long, for connection to SENTRON 3WL without COM15/COM16	B	<b>3WL9 111-0BC05-0AA0</b>		1 1 unit 103	on req.
<b>SENTRON manuals for communication solutions<sup>2)</sup></b>		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: <a href="http://www.siemens.com/lowvoltage/manuals">http://www.siemens.com/lowvoltage/manuals</a>		<b>E20001-A210-P307</b> <b>E20001-A210-P307-X-7600</b>			
<b>Voltage transformers, 3-pole, for SENTRON 3WL with measurement function Plus</b>		380 ... 690 V/100 V, class 0.5	B	<b>3WL9 111-0BB68-0AA0</b>		1 1 unit 103	2.600

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

<sup>1)</sup> 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.

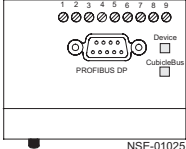
<sup>2)</sup> Manual for MODBUS communication solution available on request.



# 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		
<b>Retrofitting and spare parts</b>									
 <p>3WL9 111-0AT15-0AA0</p>		<b>PROFIBUS retrofit kits</b>	Retrofit kit for PROFIBUS communications including COM15, BSS and set of cables for all SENTRON 3WL circuit breakers with ETU45B, ETU55B and ETU76B trip units	B	<b>3WL9 111-0AT12-0AA0</b>	1	1 unit	103	0.260
		<b>COM15 PROFIBUS module</b>		B	<b>3WL9 111-0AT15-0AA0</b>	1	1 unit	103	0.140
		<b>MODBUS retrofit kits</b>	Retrofit kit for MODBUS communications including COM16, BSS and set of cables for all SENTRON 3WL circuit breakers with ETU45B, ETU55B and ETU76B trip units	B	<b>3WL9 111-0AT14-0AA0</b>	1	1 unit	103	on req.
		<b>COM16 MODBUS modules</b>		B	<b>3WL9 111-0AT17-0AA0</b>	1	1 unit	103	0.140
		<b>Breaker status sensor (BSS)</b>		B	<b>3WL9 111-0AT16-0AA0</b>	1	1 unit	103	0.120
		<b>Measurement function Plus</b>	For all ETUs except ETU release 2 (voltage transformer required)	B	<b>3WL9 111-0AT03-0AA0</b>	1	1 unit	103	0.250
		<b>Measurement function Plus</b>	For ETU release 2 (voltage transformer required)	B	<b>3WL9 111-0AT04-0AA0</b>	1	1 unit	103	0.250

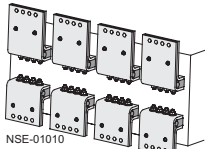
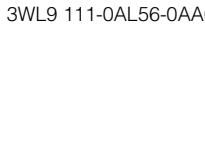
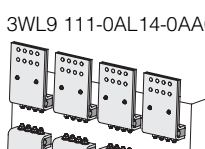

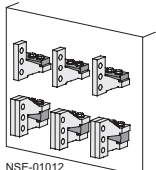
3WL9 111-0AT16-0AA0

All communication components, **CubicleBUS** 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	
<b>Main circuit connections, fixed mounting (essential accessory)</b>								
Specified for each connection								
 <p>3WL9 111-0AL06-0AA0</p>	<b>Front-accessible main circuit connections, single hole at top</b>	Size I, up to 1000 A	B	<b>3WL9 111-0AL01-0AA0</b>	1	1 unit	103	1.100
		Size I, 1250 ... 1600 A	B	<b>3WL9 111-0AL02-0AA0</b>	1	1 unit	103	1.600
		Size II, up to 2000 A	B	<b>3WL9 111-0AL03-0AA0</b>	1	1 unit	103	2.000
		Size II, up to 2500 A	B	<b>3WL9 111-0AL04-0AA0</b>	1	1 unit	103	3.600
		Size II, up to 3200 A	B	<b>3WL9 111-0AL05-0AA0</b>	1	1 unit	103	3.500
		Size III, up to 4000 A	B	<b>3WL9 111-0AL06-0AA0</b>	1	1 unit	103	6.100
 <p>3WL9 111-0AL56-0AA0</p>	<b>Front-accessible main circuit connections, single hole at bottom</b>	Size I, up to 1000 A	B	<b>3WL9 111-0AL51-0AA0</b>	1	1 unit	103	1.000
		Size I, 1250 ... 1600 A	B	<b>3WL9 111-0AL52-0AA0</b>	1	1 unit	103	1.300
		Size II, up to 2000 A	B	<b>3WL9 111-0AL53-0AA0</b>	1	1 unit	103	1.800
		Size II, up to 2500 A	B	<b>3WL9 111-0AL54-0AA0</b>	1	1 unit	103	3.100
		Size II, up to 3200 A	B	<b>3WL9 111-0AL55-0AA0</b>	1	1 unit	103	3.000
		Size III, up to 4000 A	B	<b>3WL9 111-0AL56-0AA0</b>	1	1 unit	103	5.200
 <p>3WL9 111-0AL14-0AA0</p>	<b>Front-accessible main circuit connections, according to DIN 43673, double hole at top</b>	Size I, up to 1000 A	B	<b>3WL9 111-0AL07-0AA0</b>	1	1 unit	103	1.400
		Size I, 1250 ... 1600 A	B	<b>3WL9 111-0AL08-0AA0</b>	1	1 unit	103	2.000
		Size II, up to 2000 A	B	<b>3WL9 111-0AL11-0AA0</b>	1	1 unit	103	2.400
		Size II, up to 2500 A	B	<b>3WL9 111-0AL12-0AA0</b>	1	1 unit	103	4.500
		Size II, up to 3200 A	B	<b>3WL9 111-0AL13-0AA0</b>	1	1 unit	103	4.400
		Size III, up to 4000 A	B	<b>3WL9 111-0AL14-0AA0</b>	1	1 unit	103	7.800
 <p>3WL9 111-0AL64-0AA0</p>	<b>Front-accessible main circuit connections, according to DIN 43673, double hole at bottom</b>	Size I, up to 1000 A	B	<b>3WL9 111-0AL57-0AA0</b>	1	1 unit	103	1.300
		Size I, 1250 ... 1600 A	B	<b>3WL9 111-0AL58-0AA0</b>	1	1 unit	103	1.700
		Size II, up to 2000 A	B	<b>3WL9 111-0AL61-0AA0</b>	1	1 unit	103	2.000
		Size II, up to 2500 A	B	<b>3WL9 111-0AL62-0AA0</b>	1	1 unit	103	3.700
		Size II, up to 3200 A	B	<b>3WL9 111-0AL63-0AA0</b>	1	1 unit	103	3.600
		Size III, up to 4000 A	B	<b>3WL9 111-0AL64-0AA0</b>	1	1 unit	103	6.400
 <p>3WL9 111-0AM03-0AA0</p>	<b>Rear vertical main circuit connections</b>	Size I <sup>1)</sup> , up to 1600 A	B	<b>3WL9 111-0AM01-0AA0</b>	1	1 unit	103	0.500
		Size II <sup>2)</sup> , up to 3200 A	B	<b>3WL9 111-0AM02-0AA0</b>	1	1 unit	103	2.200
		Size III, up to 6300 A	B	<b>3WL9 111-0AM03-0AA0</b>	1	1 unit	103	5.000

<sup>1)</sup> 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.

<sup>2)</sup> 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		
<b>Main circuit connections, withdrawable versions (essential accessory)</b>									
Specified for each connection									
 NSE-01013 3WL9 111-0AN06-0AA0	<b>Front-accessible main circuit connections, single hole at top or at bottom</b>	Size I, up to 1000 A	B	<b>3WL9 111-0AN01-0AA0</b>	1	1 unit	103	1.000	
		Size I, 1250 ... 1600 A	B	<b>3WL9 111-0AN02-0AA0</b>	1	1 unit	103	1.300	
		Size II, up to 2000 A	B	<b>3WL9 111-0AN03-0AA0</b>	1	1 unit	103	1.800	
		Size II, up to 2500 A	B	<b>3WL9 111-0AN04-0AA0</b>	1	1 unit	103	3.100	
		Size II, up to 3200 A	B	<b>3WL9 111-0AN05-0AA0</b>	1	1 unit	103	3.000	
		Size III, up to 4000 A	B	<b>3WL9 111-0AN06-0AA0</b>	1	1 unit	103	5.200	
 NSE-01014 3WL9 111-0AN14-0AA0	<b>Front-accessible main circuit connections, according to DIN 43673, double hole at top or at bottom</b>	Size I, up to 1000 A	B	<b>3WL9 111-0AN07-0AA0</b>	1	1 unit	103	1.300	
		Size I, 1250 ... 1600 A	B	<b>3WL9 111-0AN08-0AA0</b>	1	1 unit	103	1.700	
		Size II, up to 2000 A	B	<b>3WL9 111-0AN11-0AA0</b>	1	1 unit	103	2.000	
		Size II, up to 2500 A	B	<b>3WL9 111-0AN12-0AA0</b>	1	1 unit	103	3.700	
		Size II, up to 3200 A	B	<b>3WL9 111-0AN13-0AA0</b>	1	1 unit	103	3.600	
		Size III, up to 4000 A	B	<b>3WL9 111-0AN14-0AA0</b>	1	1 unit	103	6.400	
 NSE-01017 3WL9 111-0AN41-0AA0	<b>Supports for front and DIN connecting bars</b>	3-pole for 3 bars	Size I	B	<b>3WL9 111-0AN41-0AA0</b>	1	1 unit	103	0.700
			Size II	B	<b>3WL9 111-0AN42-0AA0</b>	1	1 unit	103	on req.
			Size III	B	<b>3WL9 111-0AN43-0AA0</b>	1	1 unit	103	on req.
		4-pole for 4 bars	Size I	B	<b>3WL9 111-0AN44-0AA0</b>	1	1 unit	103	on req.
			Size II	B	<b>3WL9 111-0AN45-0AA0</b>	1	1 unit	103	on req.
			Size III	B	<b>3WL9 111-0AN46-0AA0</b>	1	1 unit	103	3.200
 NSE-01015 3WL9 111-0AN23-0AA0	<b>Rear vertical main circuit connections</b>	Size I, up to 1000 A	B	<b>3WL9 111-0AN15-0AA0</b>	1	1 unit	103	0.660	
		Size I, 1250 ... 1600 A	B	<b>3WL9 111-0AN16-0AA0</b>	1	1 unit	103	0.870	
		Size II, up to 2000 A	B	<b>3WL9 111-0AN17-0AA0</b>	1	1 unit	103	1.150	
		Size II, up to 2500 A	B	<b>3WL9 111-0AN18-0AA0</b>	1	1 unit	103	1.490	
		Size II, up to 3200 A	B	<b>3WL9 111-0AN21-0AA0</b>	1	1 unit	103	2.580	
		Size III, up to 5000 A	B	<b>3WL9 111-0AN22-0AA0</b>	1	1 unit	103	6.380	
		Size III, up to 6300 A (3 busbar connection pieces for 3-pole circuit breakers)	B	<b>3WL9 111-0AN23-0AA0</b>	1	1 unit	103	6.380	
		Size III, up to 6300 A (4 busbar connection pieces for 4-pole circuit breakers)	B	<b>3WL9 111-0AN20-0AA0</b>	1	1 unit	103	on req.	
		Size III, up to 6300 A (4 busbar connection pieces for 4-pole circuit breakers)	B	<b>3WL9 111-0AN10-0AA0</b>	1	1 unit	103	8.510	
		Size III, up to 6300 A (4 busbar connection pieces for 4-pole circuit breakers)	B	<b>3WL9 111-0AN10-0AA0</b>	1	1 unit	103	8.510	
 NSE-01016 3WL9 111-0AN24-0AA0	<b>Rear horizontal circuit connections</b>	Size I, up to 1000 A	B	<b>3WL9 111-0AN32-0AA0</b>	1	1 unit	103	0.630	
		Size I, 1250 ... 1600 A	B	<b>3WL9 111-0AN33-0AA0</b>	1	1 unit	103	0.770	
		Size II, up to 2000 A	B	<b>3WL9 111-0AN34-0AA0</b>	1	1 unit	103	1.020	
		Size II, up to 2500 A	B	<b>3WL9 111-0AN35-0AA0</b>	1	1 unit	103	1.240	
		Size II, up to 3200 A	B	<b>3WL9 111-0AN36-0AA0</b>	1	1 unit	103	2.170	
		Size III, up to 5000 A	B	<b>3WL9 111-0AN37-0AA0</b>	1	1 unit	103	3.860	
 NSE-01016 3WL9 111-0AN24-0AA0	<b>Connecting flanges</b>	Size I, up to 1000 A	B	<b>3WL9 111-0AN24-0AA0</b>	1	1 unit	103	0.610	
		Size I, 1250 ... 1600 A	B	<b>3WL9 111-0AN25-0AA0</b>	1	1 unit	103	0.640	
		Size II, up to 2000 A	B	<b>3WL9 111-0AN26-0AA0</b>	1	1 unit	103	0.980	
		Size II, up to 2500 A	B	<b>3WL9 111-0AN27-0AA0</b>	1	1 unit	103	1.020	
		Size II, up to 3200 A	B	<b>3WL9 111-0AN28-0AA0</b>	1	1 unit	103	1.310	
		Size III, up to 4000 A	B	<b>3WL9 111-0AN31-0AA0</b>	1	1 unit	103	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.

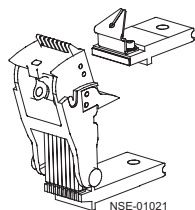
Number of poles	Size						
3-pole	I	B	<b>3WL9 111-0BC11-0AA0</b>	1	1 unit	103	5.100
	II	B	<b>3WL9 111-0BC12-0AA0</b>	1	1 unit	103	5.900
	III	B	<b>3WL9 111-0BC13-0AA0</b>	1	1 unit	103	8.100
4-pole	I	B	<b>3WL9 111-0BC14-0AA0</b>	1	1 unit	103	6.400
	II	B	<b>3WL9 111-0BC15-0AA0</b>	1	1 unit	103	on req.
	III	B	<b>3WL9 111-0BC16-0AA0</b>	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	$I_{n \max}$						
I	Up to 1600 A	B	<b>3WL9 111-0AM90 L1Y<sup>1)</sup></b>	1	1 unit	103	on req.
II	Up to 2500 A	B	<b>3WL9 111-0AM91 L1Y<sup>1)</sup></b>	1	1 unit	103	on req.
II	Up to 4000 A	B	<b>3WL9 111-0AM92 L1Y<sup>1)</sup></b>	1	1 unit	103	on req.
III	Up to 6300 A	B	<b>3WL9 111-0AM93 L1Y<sup>1)</sup></b>	1	1 unit	103	on req.



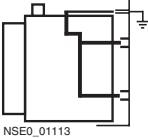
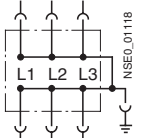
Order No. is automatically adapted to the circuit breaker ID number

<sup>1)</sup> Please specify the circuit breaker ID No. in plain text when ordering.

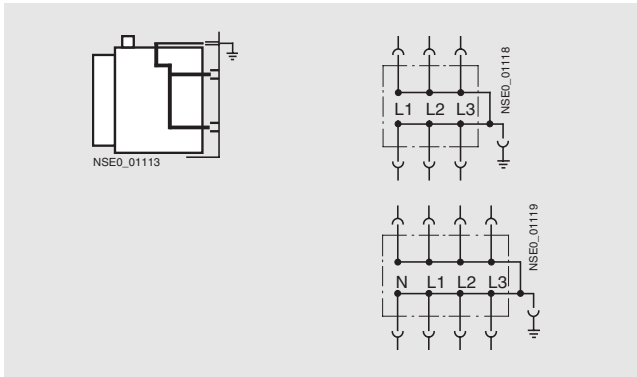
# 3WL Air Circuit Breakers

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

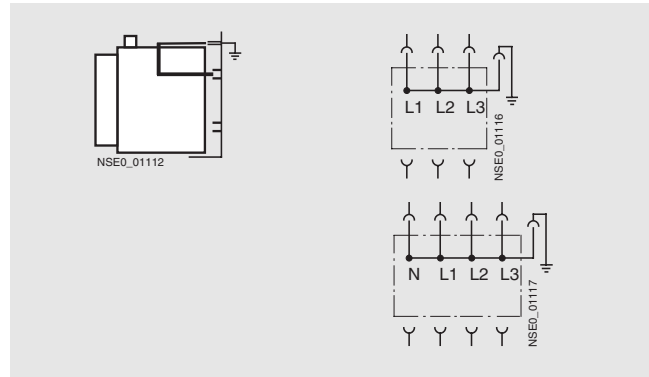
### Accessories/spare parts

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

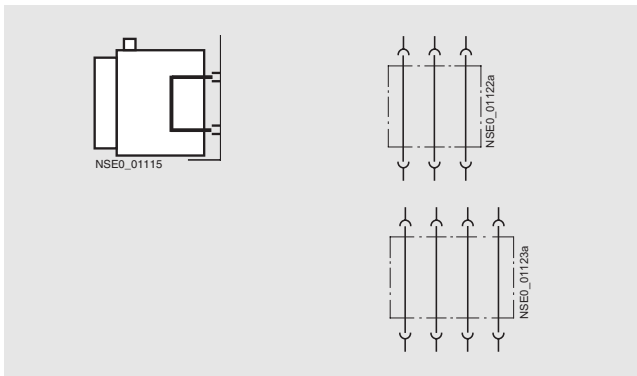
Conversion for the following applications is possible



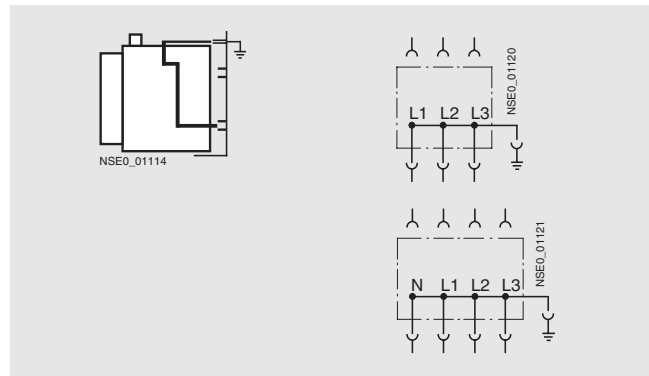
Top and bottom part of system are short-circuited and grounded (as-supplied state)



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

\* 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

#### Options

##### Structure of the Order No.

##### Example

Position	Description	Value	Order No. Digit
5th position:	Size	Size II	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

Position	Description	Value	Order No. Digit
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		Z F 0 2

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

<b>Operator's guide</b> Complete set	German/English	Order No.	<b>3ZX18 12-0WL00-0AN0</b>
	French/Italian	Order No.	<b>3ZX18 12-0WL00-0AJ0</b>
	Spanish/Portuguese	Order No.	<b>3ZX18 12-0WL00-0AL0</b>
<b>Manual Communication</b>	German	Order No.	<b>E20001-A210-P307</b>
	English	Order No.	<b>E20001-A210-P307-X-7600</b>

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	<b>3-pole non-automatic air circuit breakers</b> Order No. For Order No. supplements, see page 15/22	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>Horizontal main circuit connection</b>								
II	1000	B	<b>3WL12 10-8□□32-....</b>		1	1 unit	103	56.000
II	2000	B	<b>3WL12 20-8□□32-....</b>		1	1 unit	103	56.000
II	4000 <sup>1)</sup>	B	<b>3WL12 40-8□□32-....</b>		1	1 unit	103	64.000
<b>Vertical main circuit connection</b>								
II	1000	B	<b>3WL12 10-8□□31-....</b>		1	1 unit	103	56.000
II	2000	B	<b>3WL12 20-8□□31-....</b>		1	1 unit	103	56.000
II	4000 <sup>1)</sup>	B	<b>3WL12 40-8□□31-....</b>		1	1 unit	103	85.000
<b>Front main circuit connection, single hole</b>								
II	1000	B	<b>3WL12 10-8□□33-....</b>		1	1 unit	103	56.000
II	2000	B	<b>3WL12 20-8□□33-....</b>		1	1 unit	103	56.000
<b>Front main circuit connection, double hole</b>								
II	1000	B	<b>3WL12 10-8□□34-....</b>		1	1 unit	103	56.000
II	2000	B	<b>3WL12 20-8□□34-....</b>		1	1 unit	103	56.000
<b>Non-automatic air circuit breakers<sup>2)</sup></b>			Order No. supplements	Add. price				
Without electronic trip unit			<b>AA</b>	without				
<b>Standard Order No. supplements (for further Order No. supplements, see page 15/22)</b>								
Manual operating mechanism with mechanical closing			<b>1AA2</b>	without				

Size	Max. rated circuit breaker current $I_{n \max}$ A	DT	<b>4-pole non-automatic air circuit breakers</b> Order No. For Order No. supplements, see page 15/22	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>Horizontal main circuit connection</b>								
II	1000	B	<b>3WL12 10-8□□42-....</b>		1	1 unit	103	67.000
II	2000	B	<b>3WL12 20-8□□42-....</b>		1	1 unit	103	67.000
II	4000 <sup>1)</sup>	B	<b>3WL12 40-8□□42-....</b>		1	1 unit	103	77.000
<b>Vertical main circuit connection</b>								
II	1000	B	<b>3WL12 10-8□□41-....</b>		1	1 unit	103	75.000
II	2000	B	<b>3WL12 20-8□□41-....</b>		1	1 unit	103	75.000
II	4000 <sup>1)</sup>	B	<b>3WL12 40-8□□41-....</b>		1	1 unit	103	103.000
<b>Front main circuit connection, single hole</b>								
II	1000	B	<b>3WL12 10-8□□43-....</b>		1	1 unit	103	67.000
II	2000	B	<b>3WL12 20-8□□43-....</b>		1	1 unit	103	67.000
<b>Front main circuit connection, double hole</b>								
II	1000	B	<b>3WL12 10-8□□44-....</b>		1	1 unit	103	67.000
II	2000	B	<b>3WL12 20-8□□44-....</b>		1	1 unit	103	67.000
<b>Non-automatic air circuit breakers<sup>2)</sup></b>			Order No. supplements	Add. price				
Without electronic trip unit			<b>AA</b>	without				
<b>Standard Order No. supplements (for further Order No. supplements, see page 15/22)</b>								
Manual operating mechanism with mechanical closing			<b>1AA2</b>	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>).

<sup>1)</sup> Provisions to dissipate heat must be made on the line side.

<sup>2)</sup> 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	<b>3-pole non-automatic air circuit breakers</b> Order No. For Order No. supplements, see page 15/22	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>Without guide frames (for guide frames, see page 15/49)</b>								
II	1000	B	<b>3WL12 10-8□□35-....</b>		1	1 unit	103	60.000
II	2000	B	<b>3WL12 20-8□□35-....</b>		1	1 unit	103	60.000
II	4000 <sup>1)</sup>	B	<b>3WL12 40-8□□35-....</b>		1	1 unit	103	68.000
<b>With guide frames, horizontal main circuit connection</b>								
II	1000	B	<b>3WL12 10-8□□36-....</b>		1	1 unit	103	91.000
II	2000	B	<b>3WL12 20-8□□36-....</b>		1	1 unit	103	91.000
II	4000 <sup>1)</sup>	B	<b>3WL12 40-8□□36-....</b>		1	1 unit	103	113.000
<b>With guide frames, vertical main circuit connection</b>								
II	1000	B	<b>3WL12 10-8□□37-....</b>		1	1 unit	103	91.000
II	2000	B	<b>3WL12 20-8□□37-....</b>		1	1 unit	103	91.000
II	4000 <sup>1)</sup>	B	<b>3WL12 40-8□□37-....</b>		1	1 unit	103	121.000
<b>With guide frames, connecting flanges</b>								
II	1000	B	<b>3WL12 10-8□□38-....</b>		1	1 unit	103	91.000
II	2000	B	<b>3WL12 20-8□□38-....</b>		1	1 unit	103	91.000
II	4000 <sup>1)</sup>	B	<b>3WL12 40-8□□38-....</b>		1	1 unit	103	113.000

#### Non-automatic air circuit breakers<sup>2)</sup>

Without electronic trip unit

Order No. supplements

Add. price

**AA**

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	<b>4-pole non-automatic air circuit breakers</b> Order No. For Order No. supplements, see page 15/22	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
<b>Without guide frames (for guide frames, see page 15/49)</b>								
II	1000	B	<b>3WL12 10-8□□45-....</b>		1	1 unit	103	75.000
II	2000	B	<b>3WL12 20-8□□45-....</b>		1	1 unit	103	75.000
II	4000 <sup>1)</sup>	B	<b>3WL12 40-8□□45-....</b>		1	1 unit	103	82.000
<b>With guide frames, horizontal main circuit connection</b>								
II	1000	B	<b>3WL12 10-8□□46-....</b>		1	1 unit	103	109.000
II	2000	B	<b>3WL12 20-8□□46-....</b>		1	1 unit	103	109.000
II	4000 <sup>1)</sup>	B	<b>3WL12 40-8□□46-....</b>		1	1 unit	103	136.000
<b>With guide frames, vertical main circuit connection</b>								
II	1000	B	<b>3WL12 10-8□□47-....</b>		1	1 unit	103	109.000
II	2000	B	<b>3WL12 20-8□□47-....</b>		1	1 unit	103	109.000
II	4000 <sup>1)</sup>	B	<b>3WL12 40-8□□47-....</b>		1	1 unit	103	146.000
<b>With guide frames, connecting flanges</b>								
II	1000	B	<b>3WL12 10-8□□48-....</b>		1	1 unit	103	109.000
II	2000	B	<b>3WL12 20-8□□48-....</b>		1	1 unit	103	109.000
II	4000 <sup>1)</sup>	B	<b>3WL12 40-8□□48-....</b>		1	1 unit	103	136.000

#### Non-automatic air circuit breakers<sup>2)</sup>

Without electronic trip unit

Order No. supplements

Add. price

**AA**

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>).

<sup>1)</sup> Provisions to dissipate heat must be made on the line side.

<sup>2)</sup> 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 Order No. (Order No. supplements required according to table below)	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
A								
<b>Front main circuit connection, single hole</b>								
II	2000	B	<b>3WL9 212-3DA□□-□□A1</b>		1	1 unit	103	31.000
<b>Front main circuit connection, double hole</b>								
II	2000	B	<b>3WL9 212-3DB□□-□□A1</b>		1	1 unit	103	31.000
<b>Horizontal main circuit connection</b>								
II	2000	B	<b>3WL9 212-3DC□□-□□A1</b>		1	1 unit	103	31.000
II	4000	B	<b>3WL9 212-6DC□□-□□A1</b>		1	1 unit	103	60.000
<b>Vertical main circuit connection</b>								
II	2000	B	<b>3WL9 212-3DD□□-□□A1</b>		1	1 unit	103	31.000
II	4000	B	<b>3WL9 212-6DD□□-□□A1</b>		1	1 unit	103	60.000
<b>Main circuit connection connecting flanges</b>								
II	2000	B	<b>3WL9 212-3DE□□-□□A1</b>		1	1 unit	103	31.000
II	4000	B	<b>3WL9 212-6DE□□-□□A1</b>		1	1 unit	103	60.000

Size	Max. rated circuit breaker current $I_{n \max}$	DT	For 4-pole non-automatic air circuit breakers Order No. (Order No. supplements required according to table below)	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx. kg
A								
<b>Front main circuit connection, single hole</b>								
II	2000	B	<b>3WL9 212-3EA□□-□□A1</b>		1	1 unit	103	37.000
<b>Front main circuit connection, double hole</b>								
II	2000	B	<b>3WL9 212-3EB□□-□□A1</b>		1	1 unit	103	37.000
<b>Horizontal main circuit connection</b>								
II	2000	B	<b>3WL9 212-3EC□□-□□A1</b>		1	1 unit	103	37.000
II	4000	B	<b>3WL9 212-6EC□□-□□A1</b>		1	1 unit	103	84.000
<b>Vertical main circuit connection</b>								
II	2000	B	<b>3WL9 212-3ED□□-□□A1</b>		1	1 unit	103	37.000
II	4000	B	<b>3WL9 212-6ED□□-□□A1</b>		1	1 unit	103	84.000
<b>Main circuit connection connecting flanges</b>								
II	2000	B	<b>3WL9 212-3EE□□-□□A1</b>		1	1 unit	103	37.000
II	4000	B	<b>3WL9 212-6EE□□-□□A1</b>		1	1 unit	103	84.000

#### Number of auxiliary supply connectors

None  
1 connector  
2 connectors  
3 connectors  
4 connectors

For required number of auxiliary supply connectors, see table on page 15/28

#### Type of auxiliary circuit connections

None  
With screw connections (SIGUT)  
With screwless connection method (tension spring)

#### Position indicator switches

None  
Option 1      Operation 1 CO contact, test 1 CO contact, disconnected 1 CO contact  
Option 2      Operation 3 CO contacts, test 2 CO contacts, disconnected 1 CO contact

#### Shutters

None  
With shutter, 2 parts, lockable

x = additional price

Order No. supplements	Add. price	Add. price
	3-pole	4-pole
	without	without
0	x	x
1	x	x
2	x	x
3	x	x
4	x	x
	without	without
0	x	x
1	x	x
2	x	x
	without	without
0	x	x
1	x	x
2	x	x
	without	without
A	x	x
B	x	x

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.

# 3WL Air Circuit Breakers

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

Notes

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