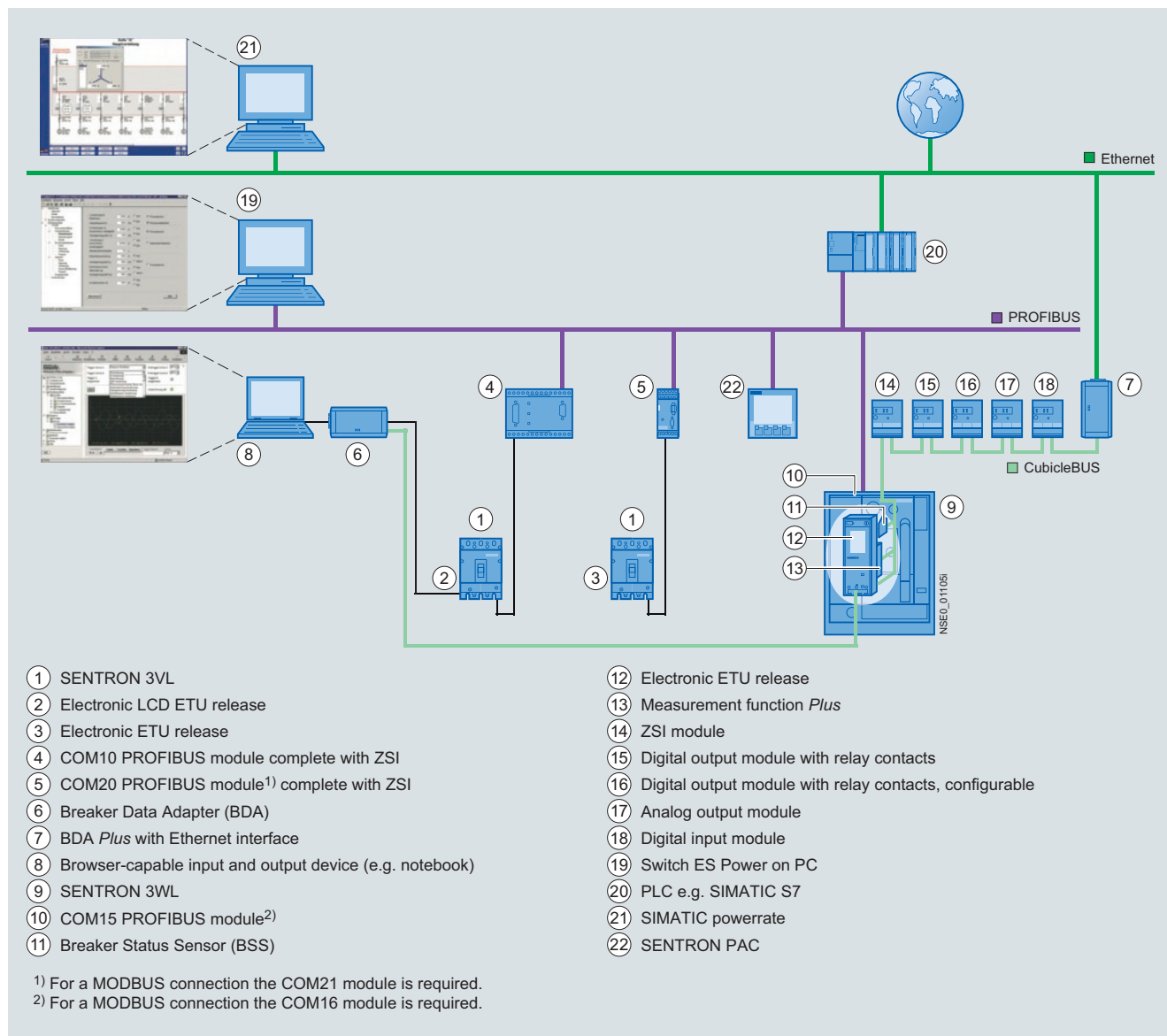


## Communication-capable circuit breakers (with ETU45B or ETU76B electronic release)



## 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

## Communication:

- For air circuit breakers with optional communication function (ETU45B or ETU76B electronic release) see pages 1/7 to 1/22.
- For accessories see pages 1/43 and 1/44.
- For more information see also chapters "Measuring Instruments and E-Counters" and "Software".

# Air Circuit Breakers

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

### Introduction

#### 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 releases, motorized operating mechanisms, electronic releases, 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 releases

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

Special LCDs, ground-fault modules, rated current modules and communication modules for the electronic releases 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

#### Applications

- 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 open circuit breakers.

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

#### Standards

SENTRON 3WL circuit breakers comply with:

- IEC 60947-2
- EN 60947-2
- Climate-proof according to IEC 60068-2-30.

Versions with UL 489 also available, [see Catalog LV 16](#).

For further standards, see [Appendix](#).

### Conductor cross-sections

Size	I				II				
Type	Up to 3WL11 10	3WL11 12	3WL11 16	3WL12 08	3WL12 10	3WL12 12	3WL12 16	3WL12 20	
<b>Permissible load</b>									
At rear horizontal main connections	<ul style="list-style-type: none"> <li>• Up to 55 °C (Cu bare)</li> <li>• Up to 60 °C (Cu bare)<sup>1)</sup></li> <li>• Up to 70 °C (Cu black painted)<sup>1)</sup></li> </ul>	A 1000	1250	1600	800	1000	1250	1600	2000
		A 1000	1250	1600	800	1000	1250	1600	2000
		A 1000	1210	1490	800	1000	1250	1600	2000
<b>Main conductor minimum cross-sections</b>									
• Copper bars, bare	Unit(s) mm <sup>2</sup>	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10	1 × 50 × 10	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10	3 × 50 × 10
• Copper bars, painted black	Unit(s) mm <sup>2</sup>	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10	1 × 50 × 10	1 × 60 × 10	2 × 40 × 10	2 × 50 × 10	3 × 50 × 10

Size	II			III			
Type	3WL12 25	3WL12 32	3WL12 40	3WL13 40	3WL13 50	3WL13 63	
<b>Permissible load</b>							
• Up to 55 °C (Cu bare)	A 2500	3200	3950	4000	5000	5920	
• Up to 60 °C (Cu bare) <sup>1)</sup>	A 2500	3020	3810	4000	5000	5810	
• Up to 70 °C (Cu black painted) <sup>1)</sup>	A 2280	2870	3600	4000	5000	5500	
<b>Main conductor minimum cross-sections</b>							
• Copper bars, bare	Unit(s) mm <sup>2</sup>	2 × 100 × 10	3 × 100 × 10	4 × 120 × 10	4 × 100 × 10	6 × 100 × 10	6 × 120 × 10
• Copper bars, painted black	Unit(s) mm <sup>2</sup>	2 × 100 × 10	3 × 100 × 10	4 × 100 × 10 <sup>2)</sup>	4 × 100 × 10	6 × 100 × 10	6 × 120 × 10

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

<sup>2)</sup> Minimum main conductor cross-sections for 4-pole withdrawable circuit breakers: 4 × 120 × 10 mm.

# 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		(N)	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.	
A	A	kA	DT	Order No. For Order No. supplements, see page 1/23	Basic price per PU				kg	
<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 release

Order No. supplements

Add. price

**Electronic releases**
**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  
 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  
 ETU76B: Protection functions LSING<sup>3)5)</sup> with pixel graphics display

AA

BB

CB

EB

FB

NB

DG

EG

FG

NG

None

✓

✓

✓

✓

✓

✓

✓

✓

**Standard Order No. supplements (for further Order No. supplements, see page 1/23)**

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

1AA2

None

✓ Additional price

For footnotes see page 1/10.

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

# 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 1/23	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	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 release

Order No. supplements      Add. price  
AA      None

#### Electronic releases

##### 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  
ETU76B: Protection functions LSIN<sup>3)</sup> with pixel graphics display

BB      ✓  
CB      ✓  
EB      ✓  
FB      ✓  
NB      ✓

##### 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  
ETU76B: Protection functions LSING<sup>3)5)</sup> with pixel graphics display

DG      ✓  
EG      ✓  
FG      ✓  
NG      ✓

#### Standard Order No. supplements (for further Order No. supplements, see page 1/23)

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

1AA2      None

✓ Additional price

For footnotes see page 1/10.

# 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 1/23	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	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	90.000	
<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>											
Without electronic release					AA		None				
<b>Electronic releases</b>											
<b>Versions without ground-fault protection</b>											
ETU15B: Protection functions LI <sup>6)</sup>					BB		✓				
ETU25B: Protection functions LSI					CB		✓				
ETU45B: Protection functions LSIN <sup>3)</sup>					EB		✓				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB		✓				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB		✓				
<b>Versions with ground-fault protection</b>											
ETU27B: Protection functions LSING <sup>4)</sup>					DG		✓				
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG		✓				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG		✓				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					NG		✓				
<b>Standard Order No. supplements (for further Order No. supplements, see page 1/23)</b>											
Manual operating mechanism with mechanical closing					1AA2		None				
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO											

✓ Additional price

For footnotes see page 1/10.

# 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 1/23	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.  kg
			kA	DT						
<b>Horizontal main circuit connection</b>										
III	4000	4000	150	B	3WL13 40-5□□32-....		1	1 unit	103	82.000
III	5000	5000	150	B	3WL13 50-5□□32-....		1	1 unit	103	82.000
<b>Vertical main circuit connection</b>										
III	4000	4000	150	B	3WL13 40-5□□31-....		1	1 unit	103	82.000
III	5000	5000	150	B	3WL13 50-5□□31-....		1	1 unit	103	82.000
III	6300	6300	150	B	3WL13 63-5□□31-....		1	1 unit	103	90.000
<b>Non-automatic air circuit breakers<sup>2)</sup></b>					Order No. supplements	Add. price				
Without electronic release					AA	None				
<b>Electronic releases</b>										
<b>Versions without ground-fault protection</b>										
ETU25B: Protection functions LSI					CB	✓				
ETU45B: Protection functions LSIN <sup>3)</sup>					EB	✓				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB	✓				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB	✓				
<b>Versions with ground-fault protection</b>										
ETU27B: Protection functions LSING <sup>4)</sup>					DG	✓				
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG	✓				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG	✓				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					NG	✓				
<b>Standard Order No. supplements (for further Order No. supplements, see page 1/23)</b>										
Manual operating mechanism with mechanical closing										
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO					1AA2	None				

✓ Additional price

#### Footnotes for pages 1/7 to 1/10:

- 1) The rated current is determined by the rated current module. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/24.
- 2) For permissible rated short-time current  $I_{sc}$  and rated short-circuit making capacity  $I_{cm}$  for non-automatic air circuit breakers see page 1/3.

- 3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/34.
- 4) Current transformers for protection of the N conductor are to be ordered separately, see page 1/34.
- 5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/34.
- 6) ETU15B cannot be used with 3WL circuit breakers, size III.

# Air Circuit Breakers

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

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 1/23	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
A	A	kA	DT	(N)						
<b>Without guide frames (for guide frames, see page 1/30 to 1/33)</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

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

Without electronic release

#### Electronic releases

##### 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
- 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
- ETU76B: Protection functions LSING<sup>(3)(5)</sup> with pixel graphics display

Order No. supplements	Add. price
AA	None
BB	✓
CB	✓
EB	✓
FB	✓
NB	✓
DG	✓
EG	✓
FG	✓
NG	✓

### Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 1/23)

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

1AA2	None
------	------

✓ Additional price

For footnotes see page 1/14.

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

# 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 1/23	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
			kA	DT						
<b>Without guide frames (for guide frames, see page 1/30 to 1/33)</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

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

Without electronic release

#### Electronic releases

##### 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  
 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  
 ETU76B: Protection functions LSING<sup>3)5)</sup> with pixel graphics display

Order No. supplements

Add. price

AA

None

BB

✓

CB

✓

EB

✓

FB

✓

NB

✓

DG

✓

EG

✓

FG

✓

NG

✓

#### Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 1/23)

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

1AA2

None

✓ Additional price

For footnotes see page 1/14.



# 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 1/23	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
			kA	DT						
<b>Without guide frames (for guide frames, see page 1/30 to 1/33)</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

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

Without electronic release

#### Electronic releases

##### Versions without ground-fault protection

ETU15B: Protection functions LI<sup>6)</sup>  
 ETU25B: Protection functions LS1  
 ETU45B: Protection functions LSIN<sup>3)</sup>  
 ETU45B: Protection functions LSIN<sup>3)</sup> with 4-line display  
 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  
 ETU76B: Protection functions LSING<sup>3)5)</sup> with pixel graphics display

#### Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 1/23)

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

✓ Additional price

For footnotes see page 1/14.

Order No. supplements	Add. price
AA	None
BB	✓
CB	✓
EB	✓
FB	✓
NB	✓
DG	✓
EG	✓
FG	✓
NG	✓
1AA2	None

# 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 1/23	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
A	A	kA	DT							kg
<b>Without guide frames (for guide frames, see page 1/30 to 1/33)</b>										
III	4000	4000	150	B	3WL13 40-5□□35-....		1	1 unit	103	88.000
III	5000	5000	150	B	3WL13 50-5□□35-....		1	1 unit	103	88.000
III	6300	6300	150	B	3WL13 63-5□□35-....		1	1 unit	103	96.000
<b>With guide frames, horizontal main circuit connection</b>										
III	4000	4000	150	B	3WL13 40-5□□36-....		1	1 unit	103	148.000
III	5000	5000	150	B	3WL13 50-5□□36-....		1	1 unit	103	148.000
<b>With guide frames, vertical main circuit connection</b>										
III	4000	4000	150	B	3WL13 40-5□□37-....		1	1 unit	103	148.000
III	5000	5000	150	B	3WL13 50-5□□37-....		1	1 unit	103	148.000
III	6300	6300	150	B	3WL13 63-5□□37-....		1	1 unit	103	166.000
<b>Non-automatic air circuit breakers<sup>2)</sup></b>					Order No. supplements	Add. price				
Without electronic release					AA	None				
<b>Electronic releases</b>										
<b>Versions without ground-fault protection</b>										
ETU25B: Protection functions LSI					CB	✓				
ETU45B: Protection functions LSIN <sup>3)</sup>					EB	✓				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB	✓				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB	✓				
<b>Versions with ground-fault protection</b>										
ETU27B: Protection functions LSING <sup>4)</sup>					DG	✓				
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG	✓				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG	✓				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					NG	✓				
<b>Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 1/23)</b>										
Manual operating mechanism with mechanical closing					1AA2	None				
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO										

✓ Additional price

#### Footnotes for pages 1/11 to 1/14:

- <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 1/24.
- <sup>2)</sup> For permissible rated short-time current  $I_{cc}$  and rated short-circuit making capacity  $I_{cm}$  for non-automatic air circuit breakers see page 1/3.

- <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 1/34.
- <sup>4)</sup> Current transformers for protection of the N conductor are to be ordered separately, see page 1/34.
- <sup>5)</sup> ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/34.
- <sup>6)</sup> ETU15B cannot be used with 3WL circuit breakers, size III.

## 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 1/23	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
			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	67.000
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

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

Without electronic release

Order No. supplements

Add. price

AA

None

**Electronic releases****Versions without ground-fault protection**

ETU15B: Protection functions LI

BB

✓

ETU25B: Protection functions LSI

CB

✓

ETU45B: Protection functions LSIN<sup>3)</sup>

EB

✓

ETU45B: Protection functions LSIN<sup>3)</sup> with 4-line display

FB

✓

ETU76B: Protection functions LSIN<sup>3)</sup> with pixel graphics display

NB

✓

**Versions with ground-fault protection**ETU27B: Protection functions LSING<sup>4)</sup>

DG

✓

ETU45B: Protection functions LSING<sup>3)5)</sup>

EG

✓

ETU45B: Protection functions LSING<sup>3)5)</sup> with 4-line display

FG

✓

ETU76B: Protection functions LSING<sup>3)5)</sup> with pixel graphics display

NG

✓

**Standard Order No. supplements (for further Order No. supplements, see page 1/23)**

Manual operating mechanism with mechanical closing

Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO

1AA2

None

✓ Additional price

For footnotes see page 1/18.

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



# 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 1/23	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	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	99.000	
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	67.000	
II	1000	1000	100	B	3WL12 10-4□□41-....		1	1 unit	103	67.000	
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	67.000	
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	99.000	
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	108.000	
<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	99.000	
<b>Non-automatic air circuit breakers<sup>2)</sup></b>											
Without electronic release					AA			None			
<b>Electronic releases</b>											
<b>Versions without ground-fault protection</b>					BB			✓			
ETU15B: Protection functions L <sup>6)</sup>					CB			✓			
ETU25B: Protection functions LSI					EB			✓			
ETU45B: Protection functions LSIN <sup>3)</sup>					FB			✓			
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					NB			✓			
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display											
<b>Versions with ground-fault protection</b>					DG			✓			
ETU27B: Protection functions LSING <sup>4)</sup>					EG			✓			
ETU45B: Protection functions LSING <sup>3)5)</sup>					FG			✓			
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					NG			✓			
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display											
<b>Standard Order No. supplements (for further Order No. supplements, see page 1/23)</b>											
Manual operating mechanism with mechanical closing					1AA2			None			
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO											

✓ Additional price

For footnotes see page 1/18.

# 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 1/23	Basic price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
A	A	kA	DT							kg
<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>					Order No. supplements	Add. price				
Without electronic release					AA	None				
<b>Electronic releases</b>										
<b>Versions without ground-fault protection</b>										
ETU25B: Protection functions LSI					CB	✓				
ETU45B: Protection functions LSIN <sup>3)</sup>					EB	✓				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB	✓				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB	✓				
<b>Versions with ground-fault protection</b>										
ETU27B: Protection functions LSING <sup>4)</sup>					DG	✓				
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG	✓				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG	✓				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					NG	✓				
<b>Standard Order No. supplements (for further Order No. supplements, see page 1/23)</b>										
Manual operating mechanism with mechanical closing										
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO					1AA2	None				

✓ Additional price

**Footnotes for pages 1/15 to 1/18:**

- <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 1/24.
- <sup>2)</sup> For permissible rated short-time current  $I_{cc}$  and rated short-circuit making capacity  $I_{cm}$  for non-automatic air circuit breakers see page 1/3.

- <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 1/34. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 1/26.
- <sup>4)</sup> Current transformers for protection of the N conductor are to be ordered separately, see page 1/34.
- <sup>5)</sup> ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/34.
- <sup>6)</sup> ETU15B cannot be used with 3WL circuit breakers, size III.

# Air Circuit Breakers

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

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		(N)	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
A	A	kA	DT	Order No. Order No. supplements, see page 1/23	Basic price per PU				kg
<b>Without guide frames (for guide frames, see page 1/30 to 1/33)</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	72.000
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 release

Order No. supplements

Add. price

Without electronic release

AA

None

**Electronic releases****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 displayETU76B: 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 displayETU76B: Protection functions LSING<sup>3)5)</sup> with pixel graphics display

BB

CB

EB

FB

NB

DG

EG

FG

NG

✓

✓

✓

✓

✓

✓

✓

✓

✓

**Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 1/23)**

Manual operating mechanism with mechanical closing

Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO

1AA2

None

✓ Additional price

For footnotes see page 1/22.

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

# 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 1/23	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
			kA	DT						
<b>Without guide frames (for guide frames, see page 1/30 to 1/33)</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	72.000
II	1000	1000	80	B	3WL12 10-3□□45-....		1	1 unit	103	72.000
II	1250	1250	80	B	3WL12 12-3□□45-....		1	1 unit	103	72.000
II	1600	1600	80	B	3WL12 16-3□□45-....		1	1 unit	103	72.000
II	2000	2000	80	B	3WL12 20-3□□45-....		1	1 unit	103	72.000
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

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

Without electronic release

Order No. supplements

Add. price

### Electronic releases

#### 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  
 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  
 ETU76B: Protection functions LSING<sup>3)5)</sup> with pixel graphics display

AA

BB

CB

EB

FB

NB

DG

EG

FG

NG

None

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

**Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 1/23)**

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

1AA2

None

✓ Additional price

For footnotes see page 1/22.



# 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 1/23	Basic price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
			kA	DT						
<b>Without guide frames (for guide frames, see page 1/30 to 1/33)</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	72.000
II	1600	1600	100	B	3WL12 16-4□□45-....		1	1 unit	103	72.000
II	2000	2000	100	B	3WL12 20-4□□45-....		1	1 unit	103	72.000
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 release					AA	None				
<b>Electronic releases</b>										
<b>Versions without ground-fault protection</b>										
ETU15B: Protection functions LI <sup>6)</sup>					BB	✓				
ETU25B: Protection functions LSI					CB	✓				
ETU45B: Protection functions LSIN <sup>3)</sup>					EB	✓				
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB	✓				
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB	✓				
<b>Versions with ground-fault protection</b>										
ETU27B: Protection functions LSING <sup>4)</sup>					DG	✓				
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG	✓				
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG	✓				
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					NG	✓				
<b>Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 1/23)</b>										
Manual operating mechanism with mechanical closing					1AA2	None				
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO										

✓ Additional price

For footnotes see page 1/22.

# 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		(C)	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx.
A	A	kA	DT	Order No. Order No. supplements, see page 1/23	Basic price per PU				kg
<b>Without guide frames (for guide frames, see page 1/30 to 1/33)</b>									
III	4000	4000	130	B	3WL13 40-5□□45-....	1	1 unit	103	115.000
III	5000	5000	130	B	3WL13 50-5□□45-....	1	1 unit	103	106.000
III	6300	6300	130	B	3WL13 63-5□□45-....	1	1 unit	103	108.000
<b>With guide frames, horizontal main circuit connection</b>									
III	4000	4000	130	B	3WL13 40-5□□46-....	1	1 unit	103	190.000
III	5000	5000	130	B	3WL13 50-5□□46-....	1	1 unit	103	190.000
<b>With guide frames, vertical main circuit connection</b>									
III	4000	4000	130	B	3WL13 40-5□□47-....	1	1 unit	103	190.000
III	5000	5000	130	B	3WL13 50-5□□47-....	1	1 unit	103	190.000
III	6300	6300	130	B	3WL13 63-5□□47-....	1	1 unit	103	227.000
<b>Non-automatic air circuit breakers<sup>2)</sup></b>					Order No. supplements	Add. price			
Without electronic release					AA	None			
<b>Electronic releases</b>									
<b>Versions without ground-fault protection</b>									
ETU25B: Protection functions LSI					CB				✓
ETU45B: Protection functions LSIN <sup>3)</sup>					EB				✓
ETU45B: Protection functions LSIN <sup>3)</sup> with 4-line display					FB				✓
ETU76B: Protection functions LSIN <sup>3)</sup> with pixel graphics display					NB				✓
<b>Versions with ground-fault protection</b>									
ETU27B: Protection functions LSING <sup>4)</sup>					DG				✓
ETU45B: Protection functions LSING <sup>3)5)</sup>					EG				✓
ETU45B: Protection functions LSING <sup>3)5)</sup> with 4-line display					FG				✓
ETU76B: Protection functions LSING <sup>3)5)</sup> with pixel graphics display					NG				✓
<b>Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 1/23)</b>									
Manual operating mechanism with mechanical closing					1AA2	None			
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO									

✓ Additional price

#### Footnotes for pages 1/19 to 1/22:

- 1) The rated current is determined by the rated current module. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/24.
- 2) For permissible rated short-time current  $I_{cc}$  and rated short-circuit making capacity  $I_{cm}$  for non-automatic air circuit breakers see page 1/3.

- 3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/34. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 1/26.
- 4) Current transformers for protection of the N conductor are to be ordered separately, see page 1/34.
- 5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/34.
- 6) ETU15B cannot be used with 3WL circuit breakers, size III.

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

## Options

## Selection and ordering data

	Order No. supplement	Additional price	
	3WL1...-.....		
<b>Operating mechanism</b>			
<b>Manual operating mechanism with mechanical closing</b>	1	None	
<b>Manual operating mechanism with mechanical and electrical closing, closing solenoid suitable for uninterrupted duty, 100 % duty ratio</b>			
Closing solenoid			
50/60 Hz V AC	V DC		
110	110 ... 125	✓	
230	220	✓	
<b>Manual/motorized operating mechanism with mechanical and electrical closing, closing solenoid suitable for uninterrupted duty, 100 % duty ratio</b>			
Motor	Closing solenoid		
50/60 Hz V AC	V DC	50/60 Hz V AC	
		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 or closing solenoid for synchronization purposes: "1" at the 13th digit of the Order No. and order codes, see page 1/25.			
<b>1. Auxiliary releases</b>			
<b>Without 1st auxiliary release</b>	A	None	
<b>Shunt release suitable for uninterrupted duty, 100 % duty ratio</b>			
Operating range $0.85 \dots 1.1 \times U_s$			
$U_s$ 50/60 Hz V AC	$U_s$ V DC		
--	24	✓	
--	30	✓	
--	48	✓	
--	60	✓	
110	110 ... 125	✓	
230	220	✓	
<b>2. Auxiliary releases</b>			
<b>Without 2nd auxiliary release</b>	A	None	
<b>Shunt release suitable for uninterrupted duty, 100 % duty ratio</b>			
Operating range $0.85 \dots 1.1 \times U_s$			
$U_s$ 50/60 Hz V AC	$U_s$ V DC		
--	24	✓	
--	30	✓	
--	48	✓	
--	60	✓	
110	110 ... 125	✓	
230	220	✓	
<b>Undervoltage release, instantaneous (<math>\leq 80</math> ms), short-delay (<math>\leq 200</math> ms)</b>			
Operating range $0.85 \dots 1.1 \times U_s$			
$U_s$ 50/60 Hz V AC	$U_s$ V DC		
--	24	✓	
--	30	✓	
--	48	✓	
--	60	✓	
110 ... 127	110 ... 125	✓	
208 ... 240	220 ... 250	✓	
380 ... 415	--	✓	
<b>Undervoltage release, can be delayed between 0.2 s and 3.2 s</b>			
Operating range $0.85 \dots 1.1 \times U_s$			
$U_s$ 50/60 Hz V AC	$U_s$ V DC		
--	48	✓	
110 ... 127	110 ... 125	✓	
208 ... 240	220 ... 250	✓	
380 ... 415	--	✓	
<b>Auxiliary switches</b>			
1. auxiliary switch block 2 NO + 2 NC	2	None	
1. + 2. auxiliary switch block 4 NO + 4 NC	4	✓	
6 NO + 2 NC	7	✓	
5 NO + 3 NC	8	✓	

✓ Additional price

# Air Circuit Breakers

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

### 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) □ □ □ + . . . + . . .	Additional price
<b>Operating manuals</b>			Code for "Further versions" <b>-Z</b>	
Printed version				
	French/Italian	<b>A 1 1</b>		✓
	Spanish/Portuguese	<b>A 1 2</b>		✓
<b>Rated voltage 1000 V AC/DC</b>				Add. price 3-pole / Add. price 4-pole
Only for circuit breakers with high switching capacity H (8th digit of the Order No. is a "4") Cannot be combined with "Rated voltage 1150 V AC order code "A15".				
Size II <sup>1)</sup>	Up to 2000 A	<b>A 0 5</b>		✓
	2500 A	<b>A 0 5</b>		✓
	3200 A	<b>A 0 5</b>		✓
Size III <sup>1)2)</sup>	4000 A	<b>A 0 5</b>		✓
	5000 A	<b>A 0 5</b>		✓
	6300 A	<b>A 0 5</b>		✓
<b>Rated voltage 1150 V AC</b>				
Only for circuit breakers with high switching capacity H (8th digit of the Order No. is a "4") Cannot be combined with "Rated voltage 1000 V AC order code "A05".				
Size II	Up to 2000 A	<b>A 1 5</b>		✓
	2500 A	<b>A 1 5</b>		✓
	3200 A	<b>A 1 5</b>		✓
	4000 A	<b>A 1 5</b>		✓
For size III select a circuit breaker with very high switching capacity C, which can be used as standard up to 1150 V AC.				
<b>Tinned version of the customer's connections on the guide frame<sup>3)4)</sup></b>				
Only for circuit breakers in withdrawable version with horizontal connection or flange connection. The normal delivery time increases to 15 work days.				
Size I		<b>A 0 8</b>		✓
Size II		<b>A 0 8</b>		✓
Size III		<b>A 0 8</b>		✓
<b>Special packaging (moisture protection)</b>				Additional price
<b>Special packaging for extended technical requirements</b>				
Cardboard packaging with water-repellent coating on corrugated cardboard (moisture protection)			<b>A 6 1</b>	✓
<b>Rated current modules / Rating plugs</b>				Additional price
	Rated current $I_n$ A			
Only one module is possible per circuit breaker (not in conjunction with electronic release ETU15B). As standard the overcurrent releases are equipped with a rated current module which is equal to the maximum rated circuit breaker current ( $I_{n\max}$ ). 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>	None
		315	<b>B 0 3</b>	None
		400	<b>B 0 4</b>	None
		500	<b>B 0 5</b>	None
		630	<b>B 0 6</b>	None
		800	<b>B 0 8</b>	None
		1000	<b>B 1 0</b>	None
	For size I, II, III	1250	<b>B 1 2</b>	None
	For size II, III	1600	<b>B 1 6</b>	None
		2000	<b>B 2 0</b>	None
	2500	<b>B 2 5</b>	None	
	3200	<b>B 3 2</b>	None	
	4000	<b>B 4 0</b>	None	
For size III	5000	<b>B 5 0</b>	None	
	6300	<b>B 6 3</b>	None	

✓ Additional price

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

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

3) Front connections are tinned as standard.

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

## 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"      Additional 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**

Indication/operator control elements, door sealing frames					
<b>5-digit mechanical operating cycles counter<sup>1)</sup></b>		<b>C 0 1</b>			✓
<b>Electrical ON button in the operator panel<sup>2)</sup></b> Possible only for circuit breakers with closing solenoid.	Button with sealing cap	<b>C 1 1</b>			✓
	Key operation with lock CES	<b>C 1 2</b>			✓
<b>Storage status signaling switch<sup>2)</sup> (S21)</b>	1 NO contact	<b>C 2 0</b>			✓
<b>Ready-to-close signaling switch (S20)</b>	1 NO contact	<b>C 2 2</b>			✓
<b>Signaling switches<sup>2)</sup></b>	For the first auxiliary release (S22)	<b>C 2 6</b>			✓
	For the second auxiliary release (S23)	<b>C 2 7</b>			✓
<b>Motor shutdown switch in the operator panel<sup>3)</sup></b>		<b>S 2 5</b>			✓
<b>EMERGENCY-STOP pushbuttons</b>	Mushroom pushbutton instead of the mechanical OFF pushbutton	<b>S 2 4</b>			✓
<b>Door sealing frames</b>		<b>T 4 0</b>			✓
<b>Reclosing lockout and remote resets</b>					
<b>Automatic reset of the reclosing lockout</b>		<b>K 0 1</b>			✓
<b>Tripped signaling switch<sup>2)4)</sup></b>	1 CO	<b>K 0 7</b>			✓
<b>Remote reset solenoid for displays and reset buttons including automatic reset of the reclosing lockout</b>					
50/60 Hz V AC	V DC				
--	24	<b>K 1 0</b>			✓
--	48	<b>K 1 1</b>			✓
120	125	<b>K 1 2</b>			✓
208 ... 250	208 ... 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					
50/60 Hz V AC	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 solenoid suitable for uninterrupted duty, 100 % duty ratio</b> Only possible if the 13th digit of the Order No. = "1" Activation solenoids					
50/60 Hz V AC	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>5)</sup> unsuitable for uninterrupted duty, 5 % duty ratio, synchronizable</b> Only possible if the 13th digit of the Order No. = "1" Activation solenoids					
50/60 Hz V AC	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 release)<sup>6)7)</sup></b> Not suitable for uninterrupted duty, 5% duty ratio, synchronizable Activation solenoids					
50/60 Hz V AC	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>			✓

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

5) Overexcited, i.e. opening time 50 ms (standard > 80 ms).

6) Only possible if the 14th position of the Order No. for the circuit breaker is "A", i.e. "without 1st auxiliary release".

7) Overexcited, i.e. opening time 50 ms (standard > 80 ms).



## 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. mit "-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"

	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 disconnecter unit fulfills the requirements for main circuit breakers acc. to EN 60204-1	Made by CES	S 0 1	✓	S 0 1	✓
	Made by IKON	S 0 3	✓	S 0 3	✓
	Assembly kit FORTRESS or Castell <sup>1)</sup>	S 0 5	✓	S 0 5	✓
	Assembly kit for padlocks <sup>2)</sup>	S 0 7	✓	S 0 7	✓
	Made by Ronis	S 0 8	✓	S 0 8	✓
	Made by Profalux	S 0 9	✓	S 0 9	✓
<b>EMERGENCY-STOP pushbuttons</b>		S 2 4	✓	S 2 4	✓
Mushroom pushbutton instead of the mechanical OFF pushbutton					
<b>Locking devices against unauthorized closing, for withdrawable circuit breakers</b>					
The disconnecter unit fulfills the requirements for main circuit breakers acc. to EN 60204-1, consisting of a lock in the cabinet door, active in the connected position, function is retained when circuit breaker is replaced.	Made by CES	--		R 6 1	✓
	Made by Ronis	--		R 6 8	✓
	Made by Profalux	--		R 6 0	✓
<b>Locking devices for operating mechanism handles with padlock<sup>2)</sup></b>		S 3 3	✓	S 3 3	✓
<b>Locking devices to prevent movement of the withdrawable circuit breakers</b>					
Made by CES	--			S 7 1	✓
Made by Profalux	--			S 7 5	✓
Safety lock for mounting on the circuit breaker	Made by Ronis	--		S 7 6	✓
<b>Locking mechanisms</b>					
<b>Locking mechanisms to prevent movement of the withdrawable circuit breaker in disconnected positions,</b>					
consisting of Bowden wire and lock in the cabinet door	Made by CES	--		R 8 1	✓
	Made by Profalux	--		R 8 5	✓
	Made by Ronis	--		R 8 6	✓
Not possible in combination with order code "R30" or "R50".					
<b>Locking devices</b>		S 3 0	✓	R 3 0	✓
Not possible in combination with order code "R81", "R85" or "R86".	To prevent opening of the cabinet door in: ON position (fixed-mounted version)/ in connected position (withdrawable version)				
	To prevent movement with the cabinet door open	--		R 5 0	✓
<b>Connection methods for auxiliary conductors</b>					
<b>Connections for screwless terminals (tension spring)</b>		N 6 1	✓	P 6 1	✓

✓ Additional price

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

<sup>2)</sup> Padlock not included in the scope of supply.

# Air Circuit Breakers

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

### Options

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

Order No. mit "-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 for guide frames<sup>1)</sup>

To select this connection method the 12th digit of the Order No. for the circuit breaker must be a "6"

##### Connection methods for main 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	P 0 0 P 0 0 P 0 0 P 0 0 P 0 0	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓
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	P 0 1 P 0 1 P 0 1 P 0 1 P 0 1	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓
Top: horizontal, double hole 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	P 0 7 P 0 7 P 0 7 P 0 7 P 0 7	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓
Top: vertical Bottom: horizontal	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 Size III, up to 5000 A	P 1 8 P 1 8 P 1 8 P 1 8 P 1 8 P 1 8	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓
Top: connecting flange Bottom: horizontal	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	P 1 9 P 1 9 P 1 9 P 1 9 P 1 9	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓
Top: horizontal Bottom: vertical	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 Size III, up to 5000 A	P 2 3 P 2 3 P 2 3 P 2 3 P 2 3 P 2 3	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓

Additional price 3-pole

Additional price 4-pole

#### 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 connections

Top: horizontal 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	N 1 1 N 1 1 N 1 1 N 1 1 N 1 1	✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓
Top: vertical Bottom: horizontal	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 Size III, up to 5000 A	N 2 0 N 2 0 N 2 0 N 2 0 N 2 0 N 2 0	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓
Top: horizontal Bottom: vertical	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 Size III, up to 5000 A	N 2 4 N 2 4 N 2 4 N 2 4 N 2 4 N 2 4	✓ ✓ ✓ ✓ ✓ ✓	✓ ✓ ✓ ✓ ✓ ✓

Additional price 3-pole

Additional price 4-pole

✓ Additional price

<sup>1)</sup> Only horizontal connection and vertical connection are available for circuit breakers with very high switching capacity C.



# Air Circuit Breakers

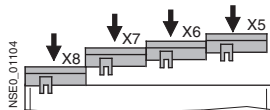
## 3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC)

### Accessories and Spare Parts

#### Overview

#### Determination of the number of auxiliary supply connectors required

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



The required number of auxiliary supply connectors depends on:

- Operating mechanism type
- Electronic release with/without current transformer
- Type and number of auxiliary releases
- Number of auxiliary switches
- COM15/COM16 communication interface

		Number of auxiliary supply connectors	Terminal
<b>a</b>	<b>First auxiliary supply connector X6 always required.</b>	<b>1</b>	X6
<b>b</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</b>	<b>Electronic releases</b>		
c1	Electronic releases ETU15B, ETU25B, ETU27B	<b>0</b>	
c2	Electronic releases ETU45B, ETU76B (internal CubicleBUS)	<b>+1</b>	X8
c3	Connections for external current transformers for overload protection in the N conductor and ground-fault protection	<b>+1</b>	X8
c4	Current transformer installed in the N conductor (required with 3-pole circuit breakers if c2 is not selected)	<b>+1</b>	X8
<b>d</b>	<b>Auxiliary releases</b>		
d1	With/without 1st auxiliary release (shunt release F1)	<b>0</b>	X6
d2	2nd auxiliary release (shunt release F2, undervoltage release F3, delayable undervoltage release F4)	<b>+1</b>	X5
<b>e</b>	<b>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</b>	<b>Communication modules</b>		
f1	Without communication module COM15/COM16	<b>0</b>	
f2	With communication module COM15/COM16 – occupies the entire terminal strip X7, making the following options no longer possible: <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 release S22 + S23</li> </ul>	<b>+1</b>	X7
<b>g</b>	<b>Optional signals/accessories</b>		
g1	Tripped signaling switch S24 (only when f2 not selected)	<b>+1</b>	X7
g2	Stored energy status signaling switch S21 (only when f2 not selected, required if g1 not selected)	<b>+1</b>	X7
g3	Electric ON button S10 (only when f2 not selected, required if g1 or g2 not selected)	<b>+1</b>	X7
g4	Signaling switch at first auxiliary release S22 (only when f2 not selected, required if g1, g2 or g3 not selected)	<b>+1</b>	X7
g5	Signaling switch at second auxiliary release S23 (only when f2 not selected, required if g1, g2, g3 or g4 not selected)	<b>+1</b>	X7
g6	Switch on readiness signal switch S20	<b>0</b>	X6
g7	Motor shutdown switch S12 (only if motorized operating mechanism selected)	<b>0</b>	X5
g8	Remote reset solenoid F7 (required if c2 not selected)	<b>+1</b>	X8
<b>h</b>	<b>Total number of auxiliary supply connectors</b>	<b>(max. 4)</b>	

For ordering the auxiliary supply connectors see under "Accessories and Spare Parts, Guide Frames for AC Circuit Breakers/Non-Automatic Air Circuit Breakers", pages 1/30 to 1/33 and under "Accessories and Spare Parts, Auxiliary Conductor Connections, Auxiliary Supply Connectors", page 1/39.

# Air Circuit Breakers

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

### Accessories and Spare Parts

#### Selection and ordering data

##### 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*/ P. unit	PG	Weight per PU approx.
A		KA		Order No. (Order No. supplements required acc. to table below)	Basic price per PU			kg
<b>Front main circuit connection, single hole</b>								
I	1000	... 66	B	<b>3WL9 211-1AA□□-□□A1</b>	1	1 unit	103	25.000
I	1600	... 66	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	... 66	B	<b>3WL9 211-1AB□□-□□A1</b>	1	1 unit	103	25.000
I	1600	... 66	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	... 66	B	<b>3WL9 211-1AC□□-□□A1</b>	1	1 unit	103	25.000
I	1600	... 66	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>Number of auxiliary supply connectors</b>				Order No. supplements	0	None		
Without				1	✓			
1 connector				2	✓			
2 connectors				3	✓			
3 connectors				4	✓			
4 connectors								
For required number of auxiliary supply connectors, see table on page 1/29								
<b>Type of auxiliary circuit connections</b>				0	None			
Without				1	✓			
With screw connection (SIGUT, standard)				2	✓			
With screwless connection method (tension spring)								
<b>Position signaling switches</b>				0	None			
Without				1	✓			
Option 1				2	✓			
Option 2								
Connected position 1 CO, test position 1 CO, disconnected position 1 CO								
Connected position 3 CO, test position 2 CO, disconnected position 1 CO								
<b>Shutters</b>				A	None			
Without				B	✓			
With shutter, Size I					✓			
2-part, Size II					✓			
lockable, Size III					✓			
Add "-Z" to the complete Order No. and indicate the appropriate order code(s).				Order No. with "-Z" and additional order code	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16			Additional price
Rated voltage 1000 V AC					3WL9 2 1 . - . . . . . -Z			
Size II, except 4000 A (switching capacity H)					A 0 5			✓
Size III, not necessary with circuit breakers with very high switching capacity					A 0 5			✓
Rated voltage 1150 V AC								
Size II, except 4000 A (switching capacity H)					A 1 5			✓
Tinned version of the customer's connections on the guide frame <sup>1)2)</sup> Only for guide frames with horizontal connection or flange connection								
Size I					A 0 8			✓
Size II					A 0 8			✓
Size III					A 0 8			✓

For main circuit connection vertical and main circuit connecting flange see the following page.  
All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see pages 1/24 to 1/28.

- ✓ Additional price
- 1) Front connections are tinned as standard.
- 2) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

# Air Circuit Breakers

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

### Accessories and Spare Parts

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*/ P. unit	PG	Weight per PU approx.														
	A	kA		Order No. (Order No. supplements required acc. to table below)	Basic price per PU			kg														
<b>Vertical main circuit connection</b>																						
I	1000	... 66	B	<b>3WL9 211-1AD□□-□□A1</b>		1	1 unit	103	25.000													
I	1600	... 66	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	... 66	B	<b>3WL9 211-1AE□□-□□A1</b>		1	1 unit	103	25.000													
I	1600	... 66	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													
<b>Number of auxiliary supply connectors</b>				Order No. supplements	0			None														
Without					1			✓														
1 connector					2			✓														
2 connectors					3			✓														
3 connectors					4			✓														
4 connectors																						
For required number of auxiliary supply connectors, see table on page 1/29																						
<b>Type of auxiliary circuit connections</b>					0			None														
Without					1			✓														
With screw connection (SIGUT, standard)					2			✓														
With screwless connection method (tension spring)																						
<b>Position signaling switches</b>					0			None														
Without					1			✓														
Option 1				Connected position 1 CO, test position 1 CO, disconnected position 1 CO		2		✓														
Option 2				Connected position 3 CO, test position 2 CO, disconnected position 1 CO																		
<b>Shutters</b>					A			None														
Without					B			✓														
With shutter,				Size I				✓														
2-part,				Size II				✓														
lockable				Size III				✓														
Add "-Z" to the complete Order No. and indicate the appropriate order code(s).				Order No. with "-Z" and additional order code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Additional price	
					3WL9 2 1 . - . . . . . -Z	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	□	
Rated voltage 1000 V AC						A	0	5													✓	
Size II, except 4000 A (switching capacity H)						A	0	5													✓	
Size III, not necessary with circuit breakers with very high switching capacity																						
Rated voltage 1150 V AC						A	1	5													✓	
Size II, except 4000 A (switching capacity H)																						
Tinned version of the customer's connections on the guide frame <sup>1)2)</sup>						A	0	8													✓	
Only for guide frames with horizontal connection or flange connection						A	0	8													✓	
Size I						A	0	8													✓	
Size II						A	0	8													✓	
Size III						A	0	8													✓	

For main circuit connection front, single hole, main circuit connection front, double hole, and main circuit connection horizontal see the previous page.

All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see pages 1/24 to 1/28.

✓ Additional price

1) Front connections are tinned as standard.

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

# Air Circuit Breakers

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

### Accessories and 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*/ P. unit	PG	Weight per PU approx.													
				Order No. (Order No. supplements required acc. to table below)	Basic price per PU																
A		kA							kg												
<b>Front main circuit connection, single hole</b>																					
I	1000	... 66	B	3WL9 211-1BA□□-□□A1	1	1 unit	103	30.000													
I	1600	... 66	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	... 66	B	3WL9 211-1BB□□-□□A1	1	1 unit	103	30.000													
I	1600	... 66	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	... 66	B	3WL9 211-1BC□□-□□A1	1	1 unit	103	30.000													
I	1600	... 66	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>Number of auxiliary supply connectors</b>				Order No. supplements	Add. price																
Without				0	None																
1 connector				1	✓																
2 connectors				2	✓																
3 connectors				3	✓																
4 connectors				4	✓																
For required number of auxiliary supply connectors, see table on page 1/29																					
<b>Type of auxiliary circuit connections</b>																					
Without				0	None																
With screw connection (SIGUT, standard)				1	✓																
With screwless connection method (tension spring)				2	✓																
<b>Position signaling switches</b>																					
Without				0	None																
Option 1				1	✓																
Option 2				2	✓																
<b>Shutters</b>																					
Without				A	None																
With shutter, Size I				B	✓																
2-part, Size II					✓																
lockable, Size III					✓																
Add "-Z" to the complete Order No. and indicate the appropriate order code(s).				Order No. with "-Z" and additional order code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Additional price
					3	W	L	9	2	1	.	.	.	.	.	.	.	.	.	-Z	
Rated voltage 1000 V AC					A	0	5													✓	
Size II, except 4000 A (switching capacity H)					A	0	5													✓	
Size III, not necessary with circuit breakers with very high switching capacity																					
Rated voltage 1150 V AC					A	1	5													✓	
Size II, except 4000 A (switching capacity H)																					
Tinned version of the customer's connections on the guide frame <sup>1)2)</sup>					A	0	8													✓	
Only for guide frames with horizontal connection or flange connection					A	0	8													✓	
Size I					A	0	8												✓		
Size II					A	0	8												✓		
Size III					A	0	8												✓		

For main circuit connection vertical and main circuit connecting flange see the following page.  
All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see pages 1/24 to 1/28.

✓ Additional price

1) Front connections are tinned as standard.

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

# Air Circuit Breakers

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

### Accessories and 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*/ P. unit	PG	Weight per PU approx. kg															
	A	kA		Order No. (Order No. supplements required acc. to table below)	Basic price per PU																		
<b>Vertical main circuit connection</b>																							
I	1000	... 66	B	<b>3WL9 211-1BD□□-□□A1</b>		1	1 unit	103 30.000															
I	1600	... 66	B	<b>3WL9 211-2BD□□-□□A1</b>		1	1 unit	103 30.000															
II	2000	... 100	B	<b>3WL9 212-3BD□□-□□A1</b>		1	1 unit	103 37.000															
II	2500	... 100	B	<b>3WL9 212-4BD□□-□□A1</b>		1	1 unit	103 47.000															
II	3200	... 100	B	<b>3WL9 212-5BD□□-□□A1</b>		1	1 unit	103 54.000															
II	4000	... 100	B	<b>3WL9 212-6BD□□-□□A1</b>		1	1 unit	103 62.000															
III	4000	... 100	B	<b>3WL9 213-6BD□□-□□A1</b>		1	1 unit	103 84.000															
III	5000	... 100	B	<b>3WL9 213-7BD□□-□□A1</b>		1	1 unit	103 84.000															
III	6300	... 100	B	<b>3WL9 213-8BD□□-□□A1</b>		1	1 unit	103 119.000															
III	4000	... 130	B	<b>3WL9 213-6BD□□-□□C1</b>		1	1 unit	103 88.000															
III	5000	... 130	B	<b>3WL9 213-7BD□□-□□C1</b>		1	1 unit	103 88.000															
III	6300	... 130	B	<b>3WL9 213-8BD□□-□□C1</b>		1	1 unit	103 124.000															
<b>Main circuit connection connecting flanges</b>																							
I	1000	... 66	B	<b>3WL9 211-1BE□□-□□A1</b>		1	1 unit	103 30.000															
I	1600	... 66	B	<b>3WL9 211-2BE□□-□□A1</b>		1	1 unit	103 30.000															
II	2000	... 100	B	<b>3WL9 212-3BE□□-□□A1</b>		1	1 unit	103 37.000															
II	2500	... 100	B	<b>3WL9 212-4BE□□-□□A1</b>		1	1 unit	103 47.000															
II	3200	... 100	B	<b>3WL9 212-5BE□□-□□A1</b>		1	1 unit	103 54.000															
III	4000	... 100	B	<b>3WL9 213-6BE□□-□□A1</b>		1	1 unit	103 84.000															
<b>Number of auxiliary supply connectors</b>				Order No. supplements	0	1	2	3	4	None	✓	✓	✓	✓									
Without																							
1 connector																							
2 connectors																							
3 connectors																							
4 connectors																							
For required number of auxiliary supply connectors, see table on page 1/29																							
<b>Type of auxiliary circuit connections</b>																							
Without																							
With screw connection (SIGUT, standard)																							
With screwless connection method (tension spring)																							
<b>Position signaling switches</b>																							
Without																							
Option 1				Connected position 1 CO, test position 1 CO, disconnected position 1 CO																			
Option 2				Connected position 3 CO, test position 2 CO, disconnected position 1 CO																			
<b>Shutters</b>																							
Without																							
With shutter, Size I																							
2-part, Size II																							
lockable, Size III																							
Add "-Z" to the complete Order No. and indicate the appropriate order code(s).				Order No. with "-Z" and additional order code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Additional price		
					<b>3WL9 2 1 . . . . . -Z</b>																		
Rated voltage 1000 V AC																							
Size II, except 4000 A (switching capacity H)																						✓	
Size III, not necessary with circuit breakers with very high switching capacity																						✓	
Rated voltage 1150 V AC																							
Size II, except 4000 A (switching capacity H)																						✓	
Tinned version of the customer's connections on the guide frame <sup>1)2)</sup>																							
Only for guide frames with horizontal connection or flange connection																							
Size I																						✓	
Size II																							✓
Size III																							✓






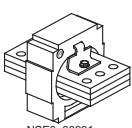
For main circuit connection front, single hole, main circuit connection front, double hole, and main circuit connection horizontal see the previous page.  
All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see pages 1/24 to 1/28.

- ✓ Additional price
- 1) Front connections are tinned as standard.
- 2) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.

# Air Circuit Breakers

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

### Accessories and Spare Parts

Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
<b>Protective devices with device holder and optional measurement function<sup>1)</sup></b>							
 NSE0_01610b	Type	With protection function	Measurement function				
	<b>ETU15B</b>	LI	Without	C	<b>3WL9 311-5AA00-0AA2</b>	1 1 unit 103	0.720
	<b>ETU25B</b>	LSI	Without	C	<b>3WL9 312-5AA00-0AA2</b>	1 1 unit 103	0.720
	<b>ETU27B</b>	LSING	Without	C	<b>3WL9 312-7AA00-0AA2</b>	1 1 unit 103	0.720
	<b>ETU45B</b> (without display)	LSIN(G)	Without	C	<b>3WL9 314-5AA00-0AA2</b>	1 1 unit 103	0.720
			With measurement function <i>Plus</i>	B	<b>3WL9 314-5AA20-0AA2</b>	1 1 unit 103	0.720
	<b>ETU76B</b>	LSIN(G)	Without	C	<b>3WL9 317-6AA00-0AA2</b>	1 1 unit 103	0.720
			With measurement function <i>Plus</i>	B	<b>3WL9 317-6AA20-0AA2</b>	1 1 unit 103	0.720
3WL9 31-..AA.0-0AA1							
<b>Rated current modules / Rating plugs<sup>2)</sup></b>							
 NSE0_00992b	For size	Rated current $I_n$ (A)					
3WL9 111-0AA64-0AA0	I, II	250	B	<b>3WL9 111-0AA51-0AA0</b>	1 1 unit 103	0.010	
		315	B	<b>3WL9 111-0AA52-0AA0</b>	1 1 unit 103	0.010	
		400	B	<b>3WL9 111-0AA53-0AA0</b>	1 1 unit 103	0.010	
		500	B	<b>3WL9 111-0AA54-0AA0</b>	1 1 unit 103	0.010	
		630	B	<b>3WL9 111-0AA55-0AA0</b>	1 1 unit 103	0.010	
		800	B	<b>3WL9 111-0AA56-0AA0</b>	1 1 unit 103	0.010	
	I, II, III	1000	B	<b>3WL9 111-0AA57-0AA0</b>	1 1 unit 103	0.010	
		1250	B	<b>3WL9 111-0AA58-0AA0</b>	1 1 unit 103	0.010	
	II, III	1600	B	<b>3WL9 111-0AA61-0AA0</b>	1 1 unit 103	0.010	
		2000	B	<b>3WL9 111-0AA62-0AA0</b>	1 1 unit 103	0.010	
	III	2500	B	<b>3WL9 111-0AA63-0AA0</b>	1 1 unit 103	0.010	
		3200	B	<b>3WL9 111-0AA64-0AA0</b>	1 1 unit 103	0.010	
		4000	B	<b>3WL9 111-0AA65-0AA0</b>	1 1 unit 103	0.010	
		5000	B	<b>3WL9 111-0AA66-0AA0</b>	1 1 unit 103	0.010	
		6300	B	<b>3WL9 111-0AA67-0AA0</b>	1 1 unit 103	0.010	
<b>Ground-fault modules<sup>3)</sup></b>							
 NSE0_01027a	<b>GFM AT 45B</b> (only for ETU45B) alarm and tripping		B	<b>3WL9 111-0AT53-0AA0</b>	1 1 unit 103	0.030	
	<b>GFM AT 55B-76B</b> (only for ETU76B) alarm and tripping		B	<b>3WL9 111-0AT56-0AA0</b>	1 1 unit 103	0.030	
3WL9 111-0AT53-0AA0							
<b>Displays</b>							
 NSE0_01609	<b>4-line displays for ETU45B</b>		B	<b>3WL9 111-0AT81-0AA0</b>	1 1 unit 103	0.060	
3WL9 111-0AT81-0AA0							
<b>Current transformers for N conductor protection</b>							
 NSE0_00990a	<b>Internal transformers for N conductors</b> (not for ETU Release 2)		Size I	B	<b>3WL9 111-0AA11-0AA0</b>	1 1 unit 103	0.200
	Including wiring kit		Size II	B	<b>3WL9 111-0AA12-0AA0</b>	1 1 unit 103	0.280
			Size III	B	<b>3WL9 111-0AA13-0AA0</b>	1 1 unit 103	0.500
3WL9 111-0AA2-0AA0	<b>Internal transformers for N conductors</b> Only for ETU Release 2		Size I	B	<b>3WL9 111-0AA14-0AA0</b>	1 1 unit 103	0.200
	Including wiring kit		Size II	B	<b>3WL9 111-0AA15-0AA0</b>	1 1 unit 103	0.280
			Size III	B	<b>3WL9 111-0AA16-0AA0</b>	1 1 unit 103	0.500
 NSE0_00991a	<b>External transformers for N conductors</b> (for T5, "Measurement Method" function see Technical Information at <a href="http://www.siemens.com/lowvoltage/support">www.siemens.com/lowvoltage/support</a> .)		Size I	B	<b>3WL9 111-0AA21-0AA0</b>	1 1 unit 103	0.300
			Size II	B	<b>3WL9 111-0AA22-0AA0</b>	1 1 unit 103	0.380
			Size III	B	<b>3WL9 111-0AA23-0AA0</b>	1 1 unit 103	0.680
3WL9 111-0AA3-0AA0	<b>External transformers for N conductors</b> with copper connection pieces (for T5, "Measurement Method" function see Technical Information at <a href="http://www.siemens.com/lowvoltage/support">www.siemens.com/lowvoltage/support</a> .)		Size I	B	<b>3WL9 111-0AA31-0AA0</b>	1 1 unit 103	1.600
			Size II	B	<b>3WL9 111-0AA32-0AA0</b>	1 1 unit 103	4.260
			Size III	B	<b>3WL9 111-0AA33-0AA0</b>	1 1 unit 103	8.500
<b>EMC filters</b>							
	<b>EMC filters</b> Common-mode interference suppressor filters (e.g. in IT networks, caused by frequency converters) Insertion loss (asymmetric) in the range 40 kHz to 10 MHz >40 dB.		Not for ETU Release 2	B	<b>3WL9 111-0AK32-0AA0</b>	1 1 unit 103	0.280
			Only for ETU Release 2	B	<b>3WL9 111-0AK34-0AA0</b>	1 1 unit 103	0.280

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

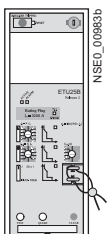
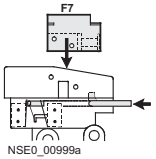
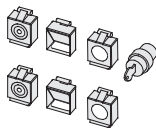

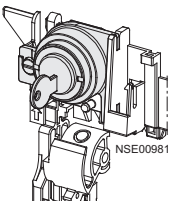
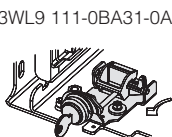
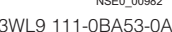
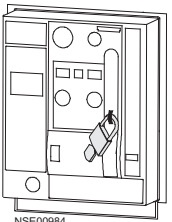
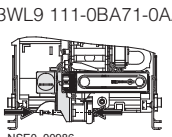

2) With the rated current module selected, the maximum rated current  $I_{n \max}$  of the circuit breaker must not be exceeded. The following applies  $I_n \leq I_{n \max}$ .

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

# Air Circuit Breakers

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

### Accessories and Spare Parts

Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	
<b>More accessories for electronic releases</b>								
 <p>3WL9 111-0AT45-0AA0</p>	<b>Sealable and lockable covers</b>	For ETU15B to ETU45B	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 reclosing lockout</b>	Spare part for option <b>K01</b> , see "-Z" + order code, <a href="#">page 1/25</a> .	B	<b>3WL9 111-0AK21-0AA0</b>	1	1 unit	103 0.050	
	<b>Remote reset solenoids<sup>1)</sup></b>	24 V DC	B	<b>3WL9 111-0AK03-0AA0</b>	1	1 unit	103 0.200	
		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 1/25</a> .	120 V AC/125 V DC	B	<b>3WL9 111-0AK05-0AA0</b>	1	1 unit	103 0.200	
		208-250 V AC/208-250 V DC	B	<b>3WL9 111-0AK06-0AA0</b>	1	1 unit	103 0.200	
	<b>Retrofittable internal CubicleBUS wiring for connection to terminal X8</b> (without male connector <sup>2)</sup> )	For ETU45B and ETU76B	B	<b>3WL9 111-0AK30-0AA0</b>	1	1 unit	103 0.150	
 <p>3WL9 111-0AK0.-0AA0</p>	<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	
<b>Locking devices</b>								
 <p>3WL9 111-0BA22-0AA0</p>	<b>Interlocking set for mechanical ON/OFF</b>	Without safety lock	B	<b>3WL9 111-0BA21-0AA0</b>	1	1 unit	103 0.100	
		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	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
 <p>3WL9 111-0BA31-0AA0</p>	<b>Locking devices against unauthorized closing, in the operator panels</b>	Assembly kit FORTRESS or CASTELL <sup>3)</sup>	B	<b>3WL9 111-0BA31-0AA0</b>	1	1 unit	103 0.200	
		The disconnecter unit fulfills the requirements for main circuit breakers acc. to EN 60204-1	Made by Ronis	B	<b>3WL9 111-0BA33-0AA0</b>	1	1 unit	103 0.400
 <p>3WL9 111-0BA33-0AA0</p>	Spare part for option <b>S01 to S09</b> , see "-Z" + order code, <a href="#">page 1/27</a> .	Made by KIRK-Key <sup>3)</sup>	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	
		Assembly kit for padlocks <sup>4)</sup>	B	<b>3WL9 111-0BA41-0AA0</b>	1	1 unit	103 0.360	
 <p>3WL9 111-0BA51-0AA0</p>	<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 <sup>3)</sup>	B	<b>3WL9 111-0BA57-0AA0</b>	1	1 unit	103 0.300	
 <p>3WL9 111-0BA58-0AA0</p>	Spare part for option <b>R60, R61, R68</b> , see "-Z" + order code, <a href="#">page 1/27</a> .	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 0.227	
 <p>3WL9 111-0BA71-0AA0</p>	<b>Locking devices for operating mechanism handle with padlock<sup>4)</sup></b>	Spare part for option <b>S33</b> , see "-Z" + order code, <a href="#">page 1/27</a> .	B	<b>3WL9 111-0BA71-0AA0</b>	1	1 unit	103 0.080	
		<b>Locking devices against movement of the withdrawable circuit breakers</b>	Made by CES	B	<b>3WL9 111-0BA73-0AA0</b>	1	1 unit	103 0.300
 <p>3WL9 111-0BA75-0AA0</p>	Safety lock for mounting on the circuit breaker.	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 <sup>3)</sup>	B	<b>3WL9 111-0BA80-0AA0</b>	1	1 unit	103 0.400	
 <p>3WL9 111-0BA43-0AA0</p>	<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 circuit breakers, locking device OFF position, key-operated switch on operator panel. A maximum of 2 circuit breakers can be switched on.						

1) Can only be used in conjunction with "automatic reset of the reclosing lock-out", e.g. "-Z" + "K01", 3WL9 111-0AK21-0AA0.  
 2) Required if communication is retrofitting.

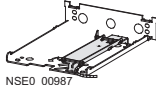
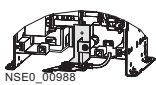
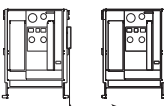
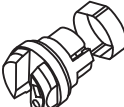
3) Locks, cylinders and keys must be ordered from the manufacturer.  
 4) Padlock not included in the scope of supply.  
 ■ Start of delivery on request.

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

# Air Circuit Breakers

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

### Accessories and Spare Parts

Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg		
<b>Locking mechanisms</b>									
 NSE0_00987 3WL9 111-0BA83-0AA0	<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>	1	1 unit	103	0.800
	B	<b>3WL9 111-0BA83-0AA0</b>	1	1 unit	103	0.800			
B	<b>3WL9 111-0BA85-0AA0</b>	1	1 unit	103	0.800				
B	<b>3WL9 111-0BA86-0AA0</b>	1	1 unit	103	0.800				
 NSE0_00988 3WL9 111-0BB12-0AA0	<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 1/27</a> .		Fixed mounting	B	<b>3WL9 111-0BB12-0AA0</b>	1	1 unit	103	0.600
<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 1/27</a> . Not possible in combination with "Locking device to prevent movement of the withdrawable circuit breakers in disconnected position" (order codes "R81", "R85" or "R86").		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 1/27</a> . Not possible in combination with "Locking device to prevent movement of the withdrawable circuit breakers in disconnected position" (order codes "R81", "R85" or "R86").		Guide frames	B	<b>3WL9 111-0BB15-0AA0</b>	1	1 unit	103	0.150	
<b>Interlocks</b>									
 NSE0_00989 3WL9 111-0BB21-0AA0	<b>Mutual mechanical interlocking,</b> with 2000 mm Bowden wire (one required for each circuit breaker)		Fixed-mounted circuit breakers	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 1/26</a> .								
<b>Module for withdrawable circuit breaker with guide frame</b> Spare part for option <b>R55</b> , see "-Z" + order code, <a href="#">page 1/26</a> . <u>When ordered separately</u>			B	<b>3WL9 111-0BB24-0AA0</b>	1	1 unit	103	1.130	
<b>Module for guide frame</b> Spare part for option <b>R56</b> , see "-Z" + order code, <a href="#">page 1/26</a> .			B	<b>3WL9 111-0BB22-0AA0</b>	1	1 unit	103	1.100	
<b>Module for withdrawable circuit breaker</b> Spare part for option <b>R57</b> , see "-Z" + order code, <a href="#">page 1/26</a> .			B	<b>3WL9 111-0BB23-0AA0</b>	1	1 unit	103	0.150	
<b>Adapter for size III Withdrawable circuit breaker</b>			B	<b>3WL9 111-0BB30-0AA0</b>	1	1 unit	103	0.100	
<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	
 NSE0_01886 3WL9 112-8HA47-0AA0	<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



# Air Circuit Breakers

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

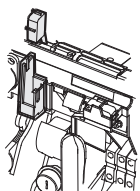
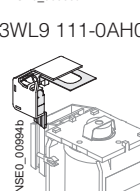

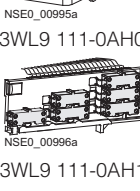

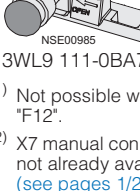



### Accessories and Spare Parts

Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg				
<b>Test devices</b>											
<b>Manual tester Release 2 for electronic releases ETU15B to ETU76B</b> For testing the electronic release 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 releases ETU15B to ETU76B	D	<b>3WL9 111-0AT44-0AA0</b>		1	1 unit	103	8.210				
<b>Capacitor storage devices</b>											
<b>Capacitor storage devices</b> For shunt release Storage time 5 min Rated control supply voltage must match the rated control supply voltage of the shunt release Suitable also for 3VL and 3WN circuit breakers		Rated control supply voltage/rated operational voltage <table border="1" style="font-size: small; border-collapse: collapse; width: 100%;"><tr><td style="text-align: center;">50/60 Hz V AC</td><td style="text-align: center;">V DC</td></tr><tr><td style="text-align: center;">220 ... 240</td><td style="text-align: center;">220 ... 250</td></tr></table>	50/60 Hz V AC	V DC	220 ... 240	220 ... 250		1	1 unit	103	0.520
50/60 Hz V AC	V DC										
220 ... 240	220 ... 250										
	B	<b>3WL9 111-0BA14-0AA0</b>									

# Air Circuit Breakers

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

### Accessories and Spare Parts

Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
<b>Indicators, control elements</b>							
 NSE0_00993a	<b>Ready-to-close signaling 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 1/25</a> .						
 NSE0_00984b	<b>Signaling switches</b> <sup>1)2)</sup> 1st or 2nd auxiliary release	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 1/25</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 1/25</a> .						
 NSE0_00984b	<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 1/25</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 1/25</a> .						
 NSE0_00995a	<b>Position signaling switches for guide frames</b> 1st block (3 CO contacts)	B	<b>3WL9 111-0AH11-0AA0</b>		1	1 unit	103 0.200
	2nd block (6 CO contacts)	B	<b>3WL9 111-0AH12-0AA0</b>		1	1 unit	103 0.400
 NSE0_00996a	<b>Electrical ON buttons</b> <sup>1)4)</sup> (button+wiring) <sup>2)</sup> , for operator panel.	B	<b>3WL9 111-0AJ02-0AA0</b>	With sealing cap	1	1 unit	103 0.150
	Possible only for circuit breakers with closing solenoid.	With CES assembly kit	B	<b>3WL9 111-0AJ03-0AA0</b>	1	1 unit	103 0.140
With IKON assembly kit		B	<b>3WL9 111-0AJ05-0AA0</b>	1	1 unit	103 0.140	
 NSE0_00996a	<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>S25</b> , see "-Z" + order code, <a href="#">page 1/25</a> .						
 NSE0_00997a	<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 1/25</a> .						
 NSE00985							

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 1/29 and 1/39](#)).

3) Only in conjunction with motorized operating mechanism.

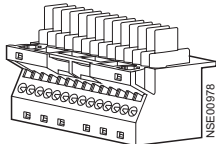
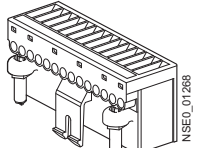
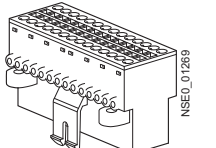
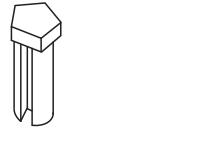
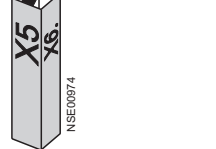
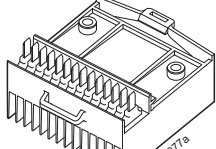
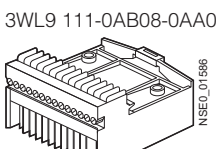

4) Not possible with motor shutdown switch.

5) Not possible with electrical ON button.

# Air Circuit Breakers

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

### Accessories and Spare Parts

Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
<b>Auxiliary conductor connections</b>							
 3WL9 111-0AB01-0AA0		<b>Male connectors for circuit breakers ①</b>	B	<b>3WL9 111-0AB01-0AA0</b>	1	1 unit	103 0.100
 3WL9 111-0AB02-0AA0		<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 0.150
 3WL9 111-0AB03-0AA0		<b>Male connectors and extension for 1000 V</b>	B	<b>3WL9 111-0AB10-0AA0</b>	1	1 unit	103 1.000
 3WL9 111-0AB03-0AA0		<b>Auxiliary supply connectors for circuit breakers or guide frames ②</b> Screw connection (SIGUT) Screwless connection method (tension spring)	B	<b>3WL9 111-0AB03-0AA0</b>	1	1 unit	103 0.070
 3WL9 111-0AB04-0AA0			B	<b>3WL9 111-0AB04-0AA0</b>	1	1 unit	103 0.070
 3WL9 111-0AB07-0AA0		<b>Coding kits for fixed-mounted version (X5 to X8) ③</b>	B	<b>3WL9 111-0AB07-0AA0</b>	1	1 unit	103 0.020
 3WL9 111-0AB08-0AA0		<b>Sliding contact modules for guide frames ④</b>	B	<b>3WL9 111-0AB08-0AA0</b>	1	1 unit	103 0.100
 3WL9 111-0AB18-0AA0		<b>One-part sliding contact modules for guide frames</b> Screw connection (SIGUT) ⑤	B	<b>3WL9 111-0AB18-0AA0</b>	1	1 unit	103 0.120
		<b>Blanking blocks for circuit breakers</b>	B	<b>3WL9 111-0AB12-0AA0</b>	1	1 unit	103 0.030

For a complete auxiliary current connection you must order:

Fixed-mounted version: ① + ② + ③

Withdrawable version: ① + ④ + ②

or

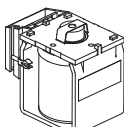
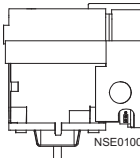
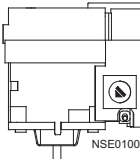
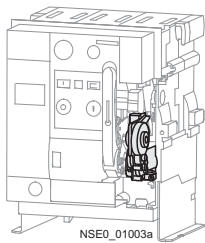
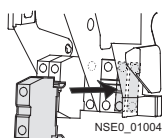
① + ⑤

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

# Air Circuit Breakers

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

### Accessories and Spare Parts

	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS* / P. unit	PG	Weight per PU approx. kg
<b>Auxiliary releases</b>								
 NSE01000 3WL9 111-0AD06-0AA0	<b>Closing solenoids/shunt releases</b>							
	24 V DC	100 % duty ratio	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 % duty ratio <sup>1)</sup>	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
 NSE01002 3WL9 111-0AE1.-0AA0	<b>Undervoltage release</b>							
	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>								
 NSE0_01003a 3WL9 111-0AF0.-0AA0	<b>Motorized operating mechanisms<sup>2)</sup></b>							
	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>								
 NSE0_01004 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

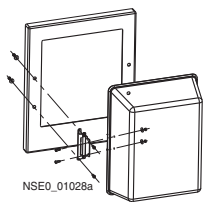
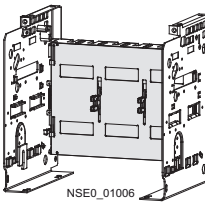
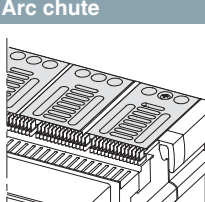
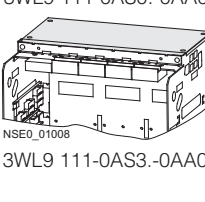
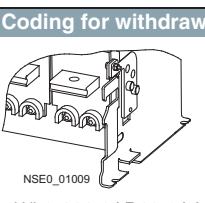
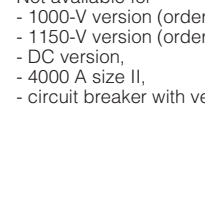
<sup>1)</sup> Overexcited, i.e. opening time 50 ms (standard > 80 ms).

<sup>2)</sup> X7 manual connector required for circuit breakers or guide frames. If this is not already available, please order additionally (see pages 1/29 and 1/39).

# Air Circuit Breakers

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

### Accessories and Spare Parts


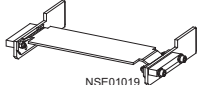

Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	
<b>Door sealing frames, hoods, shutters</b>								
 <p>NSE0_01028a</p>	<b>Door sealing frames</b>		B	<b>3WL9 111-0AP01-0AA0</b>	1	1 unit	103 0.360	
	Spare part for option <b>T40</b> , see "-Z" + order code, <a href="#">page 1/25</a> .							
 <p>NSE0_01006</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, hood removable and can be opened on both sides							
 <p>NSE0_01006</p>	<b>Shutters</b>							
	Spare part for option <b>R21</b> , see "-Z" + order code, <a href="#">page 1/26</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	
<b>Arc chute</b>								
 <p>NSE0_01007</p>	<b>Arc chute</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	
	1000 V / 1150 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	
 <p>NSE0_01008</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 1/26</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	
	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		
<b>Coding for withdrawable version</b>								
 <p>NSE0_01009</p>	<b>Coding for withdrawable version</b>		B	<b>3WL9 111-0AR12-0AA0</b>	1	1 unit	103 0.400	
	By customer, for 36 coding variants							

<sup>1)</sup> Not available for  
 - 1000-V version (order code "A05"),  
 - 1150-V version (order code "A15"),  
 - DC version,  
 - 4000 A size II,  
 - circuit breaker with very high switching capacity C.

# Air Circuit Breakers

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

### Accessories and Spare Parts

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

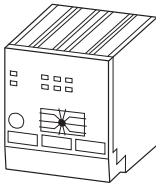
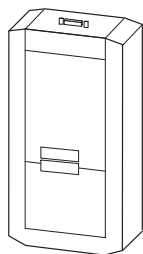
<sup>1)</sup> For 60 kA ground short-circuit current, order 2.

<sup>2)</sup> Can also be used for size II, 4000 A.

# Air Circuit Breakers

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

### Accessories and Spare Parts

Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	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 module</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 Adapters (BDA)<sup>2)</sup></b>	B	<b>3WL9 111-0AT28-0AA0</b>		1 1 unit	103	0.900
	<b>BDA Plus<sup>2)3)</sup></b>	B	<b>3WL9 111-0AT33-0AA0</b>		1 1 unit	103	1.200
	<b>Connection cables for BDA Plus</b>	B	<b>3WL9 111-0BC21-0AA0</b>		1 1 unit	103	0.350
	<b>Switch ES Power parameterization software</b>	A	<b>3ZS2 311-0CC10-0YA0</b>		1 1 unit	133	0.200
<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	0.020
	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	0.070
<b>SENTRON manuals for communication solutions</b>	Detailed description of the communication functions for SENTRON circuit breakers. Installation, connection, commissioning, data transmission to the PLC, including description of Switch ES Power and BDA.  PROFIBUS, German, token fee PROFIBUS, English, token fee  MODBUS, German, token fee MODBUS, English, token fee  Free download from: <a href="http://www.siemens.com/lowvoltage/manuals">www.siemens.com/lowvoltage/manuals</a>		<b>A5E0151347</b> <b>A5E0151353</b> <b>3ZX10 12-0WL10-1AB1</b> <b>3ZX10 12-0WL10-1AC1</b>				
<b>Voltage transformers, 3-pole, for SENTRON 3WL with measurement function Plus<sup>4)</sup></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 and ETU76B releases.

<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> A 24 V DC power supply unit is required.

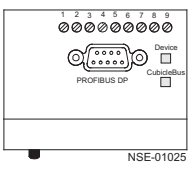
<sup>3)</sup> Operation under Windows Vista and Windows 7 on request.

<sup>4)</sup> Is required for operation of the measurement function *Plus*.

# Air Circuit Breakers

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

### Accessories and Spare Parts

Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
<b>Retrofitting and spare parts</b>							
 3WL9 111-0AT15-0AA0	<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 and ETU76B releases	B	<b>3WL9 111-0AT12-0AA0</b>	1	1 unit	103	0.260
	<b>COM15 PROFIBUS module</b> For ETU45B and ETU76B releases	B	<b>3WL9 111-0AT15-0AA0</b>	1	1 unit	103	0.140
	<b>COM16 MODBUS modules</b> For ETU45B and ETU76B releases	B	<b>3WL9 111-0AT17-0AA0</b>	1	1 unit	103	0.140
	<b>MODBUS IEC retrofit kits</b> Retrofit kit for MODBUS communications including COM16, BSS and set of cables for all SENTRON 3WL circuit breakers with ETU45B and ETU76B releases	B	<b>3WL9 111-0AT18-0AA0</b>	1	1 unit	103	0.260
	<b>Breaker status sensor (BSS)</b> For ETU45B and ETU76B releases	B	<b>3WL9 111-0AT16-0AA0</b>	1	1 unit	103	0.120
	<b>Measurement function Plus<sup>1)</sup></b> For ETU Release 2 (voltage transformer required)	B	<b>3WL9 111-0AT04-0AA0</b>	1	1 unit	103	0.250

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

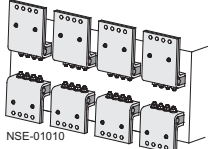
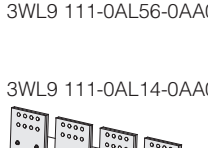
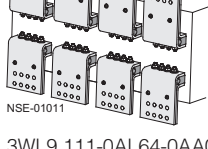
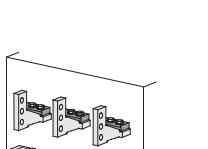
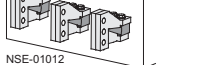
<sup>1)</sup> A measuring accuracy of 3 % is reached if retrofitted.



# Air Circuit Breakers

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

### Accessories and Spare Parts

	Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
<b>Main conductor connections, fixed mounting (essential accessory)</b>								
	Specified for each connection							
 NSE-01010	<b>Front-accessible main 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 to 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
 NSE-01011	<b>Front-accessible main 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 to 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
 NSE-01011	<b>Front-accessible main connections, acc. 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 to 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
 NSE-01012	<b>Front-accessible main connections, acc. 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 to 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
 NSE-01012	<b>Rear vertical main 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

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

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

# Air Circuit Breakers

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

### Accessories and Spare Parts

Designation	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg	
<b>Main conductor connections, withdrawable versions (essential accessory)</b>								
Specified for each connection								
 NSE-01013 3WL9 111-0AN06-0AA0	<b>Front-accessible main connections, single hole at top or at bottom<sup>1)</sup></b>	Size I, up to 1000 A	B	<b>3WL9 111-0AN01-0AA0</b>	1	1 unit	103	1.000
		Size I, 1250 to 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
 NSE-01014 3WL9 111-0AN14-0AA0	<b>Front-accessible main connections, acc. to DIN 43673, double hole at top or at bottom<sup>1)</sup></b>	Size I, up to 1000 A	B	<b>3WL9 111-0AN07-0AA0</b>	1	1 unit	103	1.300
		Size I, 1250 to 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
 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	1.350
		Size III	B	<b>3WL9 111-0AN43-0AA0</b>	1	1 unit	103	2.420
	4-pole for 4 bars	Size I	B	<b>3WL9 111-0AN44-0AA0</b>	1	1 unit	103	1.200
		Size II	B	<b>3WL9 111-0AN45-0AA0</b>	1	1 unit	103	2.200
 NSE-01015 3WL9 111-0AN23-0AA0	<b>Rear vertical main connections</b>	Size I, up to 1000 A	B	<b>3WL9 111-0AN15-0AA0</b>	1	1 unit	103	0.660
		Size I, 1250 to 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	19.170
		Size III, up to 6300 A, at top (4 busbar connection pieces for 4-pole circuit breakers)	B	<b>3WL9 111-0AN20-0AA0</b>	1	1 unit	103	18.410
		Size III, up to 6300 A, at bottom (4 busbar connection pieces for 4-pole circuit breakers)	B	<b>3WL9 111-0AN10-0AA0</b>	1	1 unit	103	18.300
	 NSE-01016 3WL9 111-0AN24-0AA0	<b>Rear horizontal main connections</b>	Size I, up to 1000 A	B	<b>3WL9 111-0AN32-0AA0</b>	1	1 unit	103
		Size I, 1250 to 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
 NSE-01016 3WL9 111-0AN24-0AA0	<b>Connecting flanges</b>	Size III, up to 5000 A	B	<b>3WL9 111-0AN37-0AA0</b>	1	1 unit	103	3.860
		Size I, up to 1000 A	B	<b>3WL9 111-0AN24-0AA0</b>	1	1 unit	103	0.610
		Size I, 1250 to 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

<sup>1)</sup> When using front-accessible main connections (withdrawable circuit breakers) supports are required.

# Air Circuit Breakers

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

### Accessories and Spare Parts

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

#### Conversion sets

##### For converting fixed-mounted circuit breakers into withdrawable circuit breakers

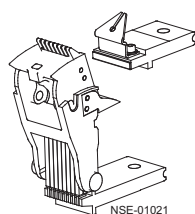
Guide frames and sliding contact modules must be ordered separately.

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	6.450
	III	B	<b>3WL9 111-0BC16-0AA0</b>	1	1 unit	103	10.700

#### Main contact elements

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

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



Sizes	$I_n$ max		Order No. is automatically adapted to the circuit breaker ID number				
I	Up to 1600 A	B	<b>3WL9 111-0AM90 L1Y<sup>1)</sup></b>	1	1 unit	103	2.800
II	Up to 2500 A	B	<b>3WL9 111-0AM91 L1Y<sup>1)</sup></b>	1	1 unit	103	5.870
II	Up to 4000 A	B	<b>3WL9 111-0AM92 L1Y<sup>1)</sup></b>	1	1 unit	103	7.700
III	Up to 6300 A	B	<b>3WL9 111-0AM93 L1Y<sup>1)</sup></b>	1	1 unit	103	13.740

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

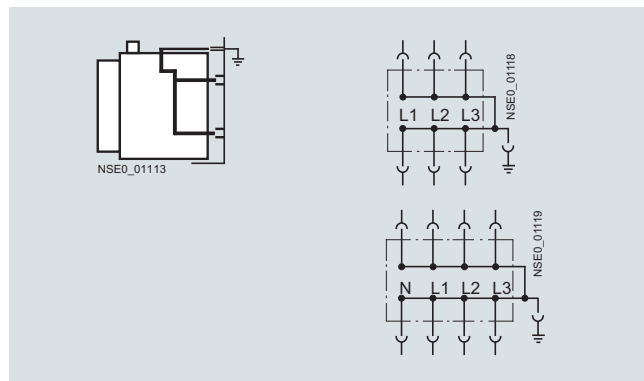
# Air Circuit Breakers

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

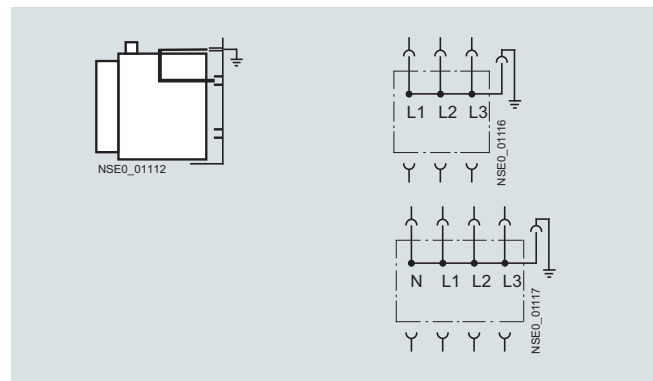
### Accessories and Spare Parts

Schematics in as-supplied state	Version	Size	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx. kg
<b>Withdrawable short-circuiting, grounding and bridging units</b>									
<p>(as-supplied state)</p>		3-pole							
		Up to 1600 A I	C	<b>3WL9 111-0BD01-0AA0</b>	1	1 unit	103	30.000	
		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	65.000		
		4-pole							
		Up to 1600 A I	C	<b>3WL9 111-0BD02-0AA0</b>	1	1 unit	103	35.000	
Up to 3200 A II		C	<b>3WL9 111-0BD04-0AA0</b>	1	1 unit	103	46.000		
Up to 6300 A III	C	<b>3WL9 111-0BD06-0AA0</b>	1	1 unit	103	70.000			

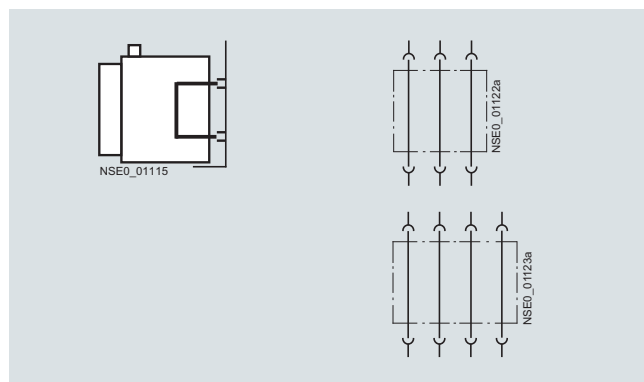
**Conversion for the following applications is possible**



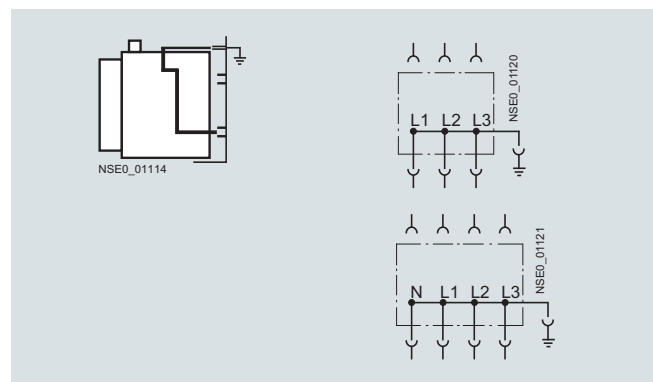
Top and bottom parts of system are short-circuited and grounded (as-supplied state)



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



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



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



# 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 1/6.

Size	Max. rated circuit breaker current $I_n$ max.	DT	3-pole non-automatic air circuit breakers	DC	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
			Order No. For Order No. supplements, see page 1/23	Price per PU				kg
<b>Horizontal main circuit connection</b>								
II	1000	B	3WL12 10-8□□32-....		1	1 unit	103	56.000
II	2000	B	3WL12 20-8□□32-....		1	1 unit	103	56.000
II	4000 <sup>1)</sup>	B	3WL12 40-8□□32-....		1	1 unit	103	64.000
<b>Vertical main circuit connection</b>								
II	1000	B	3WL12 10-8□□31-....		1	1 unit	103	56.000
II	2000	B	3WL12 20-8□□31-....		1	1 unit	103	56.000
II	4000 <sup>1)</sup>	B	3WL12 40-8□□31-....		1	1 unit	103	85.000
<b>Front main circuit connection, single hole</b>								
II	1000	B	3WL12 10-8□□33-....		1	1 unit	103	56.000
II	2000	B	3WL12 20-8□□33-....		1	1 unit	103	56.000
<b>Front main circuit connection, double hole</b>								
II	1000	B	3WL12 10-8□□34-....		1	1 unit	103	56.000
II	2000	B	3WL12 20-8□□34-....		1	1 unit	103	56.000
<b>Non-automatic air circuit breakers<sup>2)</sup></b>			Order No. supplements	Add. price				
Without electronic release			AA	None				
<b>Standard Order No. supplements (for further Order No. supplements, see page 1/23)</b>								
Manual operating mechanism with mechanical closing			1AA2	None				

Size	Max. rated circuit breaker current $I_n$ max.	DT	4-pole non-automatic air circuit breakers	DC	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
			Order No. For Order No. supplements, see page 1/23	Price per PU				kg
<b>Horizontal main circuit connection</b>								
II	1000	B	3WL12 10-8□□42-....		1	1 unit	103	67.000
II	2000	B	3WL12 20-8□□42-....		1	1 unit	103	67.000
II	4000 <sup>1)</sup>	B	3WL12 40-8□□42-....		1	1 unit	103	77.000
<b>Vertical main circuit connection</b>								
II	1000	B	3WL12 10-8□□41-....		1	1 unit	103	75.000
II	2000	B	3WL12 20-8□□41-....		1	1 unit	103	75.000
II	4000 <sup>1)</sup>	B	3WL12 40-8□□41-....		1	1 unit	103	103.000
<b>Front main circuit connection, single hole</b>								
II	1000	B	3WL12 10-8□□43-....		1	1 unit	103	67.000
II	2000	B	3WL12 20-8□□43-....		1	1 unit	103	67.000
<b>Front main circuit connection, double hole</b>								
II	1000	B	3WL12 10-8□□44-....		1	1 unit	103	67.000
II	2000	B	3WL12 20-8□□44-....		1	1 unit	103	67.000
<b>Non-automatic air circuit breakers<sup>2)</sup></b>			Order No. supplements	Add. price				
Without electronic release			AA	None				
<b>Standard Order No. supplements (for further Order No. supplements, see page 1/23)</b>								
Manual operating mechanism with mechanical closing			1AA2	None				

Add "-Z" to the complete Order No. and indicate the appropriate order code(s).	Order No. with "-Z" and additional order code	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Additional price
		3WL1 2 . 0 - 8 . . . . . - Z	
		□□□	3-pole 4-pole
Rated voltage 1000 V DC			
Size II	Up to 2000 A	A 05	✓ ✓
Size II	Up to 4000 A	A 05	✓ ✓

#### 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 1/24 onwards.

✓ Additional price

<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 short-circuit switching capacity  $I_{cc}$  for non-automatic air circuit breakers see page 1/3.

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

Available only directly from the company mat – Maschinen- und Anlagentechnik (for address see page 1/52).

# Air Circuit Breakers

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

**3-pole, withdrawable versions**
**Selection and ordering data**

Size	Max. rated circuit breaker current $I_n$ max.	DT	3-pole non-automatic air circuit breakers	DC	PU (UNIT, SET, M)	PS*/P. unit	PG	Weight per PU approx.
A			Order No. For Order No. supplements, see page 1/23	Price per PU				kg
<b>Without guide frames (for guide frames, see page 1/53)</b>								
II	1000	B	3WL12 10-8□□35-....		1	1 unit	103	60.000
II	2000	B	3WL12 20-8□□35-....		1	1 unit	103	60.000
II	4000 <sup>1)</sup>	B	3WL12 40-8□□35-....		1	1 unit	103	68.000
<b>With guide frames, horizontal main circuit connection</b>								
II	1000	B	3WL12 10-8□□36-....		1	1 unit	103	91.000
II	2000	B	3WL12 20-8□□36-....		1	1 unit	103	91.000
II	4000 <sup>1)</sup>	B	3WL12 40-8□□36-....		1	1 unit	103	113.000
<b>With guide frames, vertical main circuit connection</b>								
II	1000	B	3WL12 10-8□□37-....		1	1 unit	103	91.000
II	2000	B	3WL12 20-8□□37-....		1	1 unit	103	91.000
II	4000 <sup>1)</sup>	B	3WL12 40-8□□37-....		1	1 unit	103	121.000
<b>With guide frames, connecting flanges</b>								
II	1000	B	3WL12 10-8□□38-....		1	1 unit	103	91.000
II	2000	B	3WL12 20-8□□38-....		1	1 unit	103	91.000
II	4000 <sup>1)</sup>	B	3WL12 40-8□□38-....		1	1 unit	103	113.000

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

Without electronic release

Order No. supplements

Add. price

AA

None

**Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 1/23)**

Manual operating mechanism with mechanical closing

1AA2

None

Add "-Z" to the complete Order No. and indicate the appropriate order code(s).	Order No. with "-Z" and additional order code	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Additional price
		3WL1 2 . 0 - 8 . . 3 . . . . . -Z □□□	3-pole
Rated voltage 1000 V DC			
Size II <sup>4)</sup> Up to 2000 A		A 05	✓
Size II <sup>4)</sup> Up to 4000 A		A 05	✓
Tinned version of the customer's connections on the guide frame <sup>3)</sup> Only for circuit breakers in withdrawable version with horizontal connection or flange connection. The normal delivery time increases to 15 work days.			
Size II		A 08	✓

**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 1/24 onwards.

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

Available only directly from the company mat – Maschinen- und Anlagentechnik (for address see page 1/52).

✓ Additional price

<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 short-circuit switching capacity  $I_{cc}$  for non-automatic air circuit breakers see page 1/3.

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


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

# Air Circuit Breakers

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

### 4-pole, withdrawable versions

#### Selection and ordering data

Size	Max. rated circuit breaker current $I_{n \text{ max.}}$	DT	4-pole non-automatic air circuit breakers 	PU (UNIT, SET, M)	PS* / P. unit	PG	Weight per PU approx. kg
			Order No. For Order No. supplements, see page 1/23	Price per PU			
<b>Without guide frames (for guide frames, see page 1/53)</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
<b>Non-automatic air circuit breakers<sup>2)</sup></b>							
Without electronic release			Order No. supplements <b>AA</b>	Add. price	None		
<b>Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 1/23)</b>							
Manual operating mechanism with mechanical closing			<b>1AA2</b>	Add. price	None		
Add <b>"-Z"</b> to the complete Order No. and indicate the appropriate order code(s).			Order No. with <b>"-Z"</b> and additional order code	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Additional price		
				<b>3WL1 2 . 0 - 8 . . 4 . . . . . -Z</b>	4-pole		
				□□□			
Rated voltage 1000 V DC							
Size II <sup>4)</sup> Up to 2000 A				<b>A 05</b>	✓		
Size II <sup>4)</sup> Up to 4000 A				<b>A 05</b>	✓		
Tinned version of the customer's connections on the guide frame <sup>3)</sup> Only for circuit breakers in withdrawable version with horizontal connection or flange connection. The normal delivery time increases to 15 work days.							
Size II				<b>A 08</b>	✓		

#### 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 1/24 onwards.

An external overload and short-circuit protection device is available from the company **"mat"** for the SENTRON 3WL non-automatic air circuit breakers. Available only directly from the company **mat – Maschinen- und Anlagentechnik<sup>5)</sup>**.

✓ Additional price

- Provisions to dissipate heat must be made on the line side.
- For permissible rated short-time current  $I_{cw}$  and short-circuit switching capacity  $I_{cc}$  for non-automatic air circuit breakers see page 1/3.
- The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.
- If ordering withdrawable circuit breaker and guide frame separately, specify order code **"A05"** for withdrawable circuit breaker and guide frame.

<sup>5)</sup> **mat – Maschinen- und Anlagentechnik**

Dr. Becker GmbH  
Rudolf-Diesel-Straße 22  
22941 Bargteheide  
Germany  
Tel.: +49 (45 32) 20 21-01  
Fax: +49 (45 32) 20 21-21  
E-mail: info@m-a-t.de  
Internet: www.m-a-t.de



# Air Circuit Breakers

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

### Accessories and Spare Parts

#### Selection and ordering data

##### Guide frames for DC non-automatic air circuit breakers

Size	Max. rated circuit breaker current <i>I<sub>n</sub></i> max	DT	For 3-pole non-automatic air circuit breakers Order No. supplements (Order No. supplements required acc. to table below)	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
<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

##### Number of auxiliary supply connectors

Without  
1 connector  
2 connectors  
3 connectors  
4 connectors  
For required number of auxiliary supply connectors,  
see table on page 1/29

##### Type of auxiliary circuit connections

Without  
With screw connection (SIGUT, standard)  
With screwless connection method (tension spring)

##### Position signaling switches

Without  
Option 1 Connected 1 CO contact,  
test 1 CO contacts,  
disconnected 1 CO contact  
Option 2 Connected 3 CO contacts,  
test 2 CO contacts,  
disconnected 1 CO contact

##### Shutters

Without  
With shutter, 2 parts, lockable

Order No. supplements	Add. price
0	3-pole
1	None
2	✓
3	✓
4	✓
0	None
1	✓
2	✓
0	None
1	✓
2	✓
A	None
B	✓

Add "-Z" to the complete Order No. and indicate the appropriate order code(s).	Order No. with "-Z" and additional order code	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 3WL9 2 1 2 - . . . . . A1 -Z □□□	Add. price
Rated voltage 1000 V DC	Size II	<b>A 0 5</b>	✓
Tinned version of the customer's connections on the guide frame <sup>1)</sup> Only for guide frames with horizontal connection or flange connection	Size II	<b>A 0 8</b>	✓

##### Guide frames for 4-pole DC non-automatic air circuit breakers

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 1/24 onwards.

✓ Additional price

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

# Air Circuit Breakers

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

### Accessories and Spare Parts

Size	Max. rated circuit breaker current $I_n$ max A	DT	For 4-pole non-automatic air circuit breakers Order No. (Order No. supplements required acc. to table below)	Price per PU	PU (UNIT, SET, M)	PS*/ P. unit	PG	Weight per PU approx. kg
<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
			Order No. supplements	Add. price				
<b>Number of auxiliary supply connectors</b>				4-pole				
Without			0	None				
1 connector			1	✓				
2 connectors			2	✓				
3 connectors			3	✓				
4 connectors			4	✓				
For required number of auxiliary supply connectors, see table on page 1/29								
<b>Type of auxiliary circuit connections</b>								
Without			0	None				
With screw connection (SIGUT, standard)			1	✓				
With screwless connection method (tension spring)			2	✓				
<b>Position signaling switches</b>								
Without			0	None				
Option 1			1	✓				
Option 2			2	✓				
<b>Shutters</b>								
Without			A	None				
With shutter, 2 parts, lockable			B	✓				
Add "-Z" to the complete Order No. and indicate the appropriate order code(s).			Order No. with "-Z" and additional order code	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Add. price			
				<b>3WL9 2 1 2 - . . . . . A1 -Z</b>				
				□□□				
Rated voltage 1000 V DC					A 0 5			✓
Tinned version of the customer's connections on the guide frame <sup>1)</sup>								✓
Only for guide frames with horizontal connection or flange connection								✓
Size II					A 0 8			✓

For guide frames for 3-pole DC non-automatic air circuit breakers see previous page

All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see "3WL Air circuit breakers/ Non-Automatic Air circuit breakers up to 6300 A (AC)", "Options", page 1/24 onwards.

✓ Additional price

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