

SENTRON 3WL Air Circuit Breakers

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

General data

Benefits

Low space requirements

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

Modular design

Components like auxiliary 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 contacts 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

Application

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

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

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

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

Standards

SENTRON 3WL circuit breakers comply with:

- IEC 60947-2
- DIN VDE 0660 Part 101
- 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
Permissible load At rear horizontal main connections	• Up to 55 °C (Cu bare)	A 1000	1250	1600	800	1000	1250	1600	2000
	• Up to 60 °C (Cu bare) ¹⁾	A 1000	1250	1600	800	1000	1250	1600	2000
	• Up to 70 °C (Cu black painted) ¹⁾	A 1000	1210	1490	800	1000	1250	1600	2000
Main conductor minimum cross-sections	• Copper bars, bare	Unit(s) 1 × mm ² 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) 1 × mm ² 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
Permissible load	• Up to 55 °C (Cu bare)	A 2500	3200	3950	4000	5000	5920
	• Up to 60 °C (Cu bare) ¹⁾	A 2500	3020	3810	4000	5000	5810
	• Up to 70 °C (Cu black painted) ¹⁾	A 2280	2870	3600	4000	5000	5500
Main conductor minimum cross-sections	• Copper bars, bare	Unit(s) 2 × mm ² 100 × 10	3 × 100 × 10	4 × 120 × 10	4 × 100 × 10	6 × 100 × 10	6 × 120 × 10
	• Copper bars, painted black	Unit(s) 2 × mm ² 100 × 10	3 × 100 × 10	4 × 100 × 10 ²⁾	4 × 100 × 10	6 × 100 × 10	6 × 120 × 10

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

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

SENTRON 3WL Air Circuit Breakers

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

3-pole, fixed-mounted versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n \max}$	Rated current ¹⁾ I_n	I_{cu} up to 55/66 kA at 500 V, ECO switching capacity N		(N)	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A	kA	DT	Order No. For Order No. supplements, see page 15/23	Basic price per PU				kg
Horizontal main circuit connection									
I	630	630	55 B	3WL11 06-2□□32-....		1	1 unit	103	43.000
I	800	800	55 B	3WL11 08-2□□32-....		1	1 unit	103	43.000
I	1000	1000	55 B	3WL11 10-2□□32-....		1	1 unit	103	43.000
I	1250	1250	55 B	3WL11 12-2□□32-....		1	1 unit	103	43.000
I	1600	1600	55 B	3WL11 16-2□□32-....		1	1 unit	103	43.000
II	800	800	66 B	3WL12 08-2□□32-....		1	1 unit	103	56.000
II	1000	1000	66 B	3WL12 10-2□□32-....		1	1 unit	103	56.000
II	1250	1250	66 B	3WL12 12-2□□32-....		1	1 unit	103	56.000
II	1600	1600	66 B	3WL12 16-2□□32-....		1	1 unit	103	56.000
II	2000	2000	66 B	3WL12 20-2□□32-....		1	1 unit	103	56.000
II	2500	2500	66 B	3WL12 25-2□□32-....		1	1 unit	103	59.000
II	3200	3200	66 B	3WL12 32-2□□32-....		1	1 unit	103	64.000
Vertical main circuit connection									
I	630	630	55 B	3WL11 06-2□□31-....		1	1 unit	103	43.000
I	800	800	55 B	3WL11 08-2□□31-....		1	1 unit	103	43.000
I	1000	1000	55 B	3WL11 10-2□□31-....		1	1 unit	103	43.000
I	1250	1250	55 B	3WL11 12-2□□31-....		1	1 unit	103	43.000
I	1600	1600	55 B	3WL11 16-2□□31-....		1	1 unit	103	43.000
II	800	800	66 B	3WL12 08-2□□31-....		1	1 unit	103	56.000
II	1000	1000	66 B	3WL12 10-2□□31-....		1	1 unit	103	56.000
II	1250	1250	66 B	3WL12 12-2□□31-....		1	1 unit	103	56.000
II	1600	1600	66 B	3WL12 16-2□□31-....		1	1 unit	103	56.000
II	2000	2000	66 B	3WL12 20-2□□31-....		1	1 unit	103	56.000
II	2500	2500	66 B	3WL12 25-2□□31-....		1	1 unit	103	59.000
II	3200	3200	66 B	3WL12 32-2□□31-....		1	1 unit	103	64.000
II	4000	4000	66 B	3WL12 40-2□□31-....		1	1 unit	103	85.000
Front main circuit connection, single hole									
I	630	630	55 B	3WL11 06-2□□33-....		1	1 unit	103	43.000
I	800	800	55 B	3WL11 08-2□□33-....		1	1 unit	103	43.000
I	1000	1000	55 B	3WL11 10-2□□33-....		1	1 unit	103	43.000
I	1250	1250	55 B	3WL11 12-2□□33-....		1	1 unit	103	43.000
I	1600	1600	55 B	3WL11 16-2□□33-....		1	1 unit	103	43.000
II	800	800	66 B	3WL12 08-2□□33-....		1	1 unit	103	56.000
II	1000	1000	66 B	3WL12 10-2□□33-....		1	1 unit	103	56.000
II	1250	1250	66 B	3WL12 12-2□□33-....		1	1 unit	103	56.000
II	1600	1600	66 B	3WL12 16-2□□33-....		1	1 unit	103	56.000
II	2000	2000	66 B	3WL12 20-2□□33-....		1	1 unit	103	56.000
II	2500	2500	66 B	3WL12 25-2□□33-....		1	1 unit	103	59.000
II	3200	3200	66 B	3WL12 32-2□□33-....		1	1 unit	103	64.000
Front main circuit connection, double hole									
I	630	630	55 B	3WL11 06-2□□34-....		1	1 unit	103	43.000
I	800	800	55 B	3WL11 08-2□□34-....		1	1 unit	103	43.000
I	1000	1000	55 B	3WL11 10-2□□34-....		1	1 unit	103	43.000
I	1250	1250	55 B	3WL11 12-2□□34-....		1	1 unit	103	43.000
I	1600	1600	55 B	3WL11 16-2□□34-....		1	1 unit	103	43.000
II	800	800	66 B	3WL12 08-2□□34-....		1	1 unit	103	56.000
II	1000	1000	66 B	3WL12 10-2□□34-....		1	1 unit	103	56.000
II	1250	1250	66 B	3WL12 12-2□□34-....		1	1 unit	103	56.000
II	1600	1600	66 B	3WL12 16-2□□34-....		1	1 unit	103	56.000
II	2000	2000	66 B	3WL12 20-2□□34-....		1	1 unit	103	56.000
II	2500	2500	66 B	3WL12 25-2□□34-....		1	1 unit	103	59.000
II	3200	3200	66 B	3WL12 32-2□□34-....		1	1 unit	103	64.000

Non-automatic circuit breakers²⁾

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 LSIN³⁾
 ETU45B: Protection functions LSIN³⁾ with 4-line display
 ETU76B: Protection functions LSIN³⁾ with pixel graphics display

BB
 CB
 EB
 FB
 NB

x
 x
 x
 x
 x

Versions with ground-fault protection

ETU27B: Protection functions LSING⁴⁾
 ETU45B: Protection functions LSING³⁾⁵⁾
 ETU45B: Protection functions LSING³⁾⁵⁾ with 4-line display
 ETU76B: Protection functions LSING³⁾⁵⁾ with pixel graphics display

DG
 EG
 FG
 NG

x
 x
 x
 x

Standard Order No. supplements (for further Order No. supplements, see page 15/23)

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

1AA2

None

x = Additional price

For footnotes see page 15/10.

* You can order this quantity or a multiple thereof.

SENTRON 3WL Air Circuit Breakers

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

3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current <i>I</i> _n max.	Rated current ¹⁾ <i>I</i> _n	<i>I</i> _{cu} up to 66/80 kA at 500 V, standard switching capacity S			PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A	kA	DT	Order No. For Order No. supplements, see page 15/23	Basic price per PU				kg
Horizontal main circuit connection									
I	630	630	66	B	3WL11 06-3□□32-....	1	1 unit	103	43.000
I	800	800	66	B	3WL11 08-3□□32-....	1	1 unit	103	43.000
I	1000	1000	66	B	3WL11 10-3□□32-....	1	1 unit	103	43.000
I	1250	1250	66	B	3WL11 12-3□□32-....	1	1 unit	103	43.000
I	1600	1600	66	B	3WL11 16-3□□32-....	1	1 unit	103	43.000
II	800	800	80	B	3WL12 08-3□□32-....	1	1 unit	103	56.000
II	1000	1000	80	B	3WL12 10-3□□32-....	1	1 unit	103	56.000
II	1250	1250	80	B	3WL12 12-3□□32-....	1	1 unit	103	56.000
II	1600	1600	80	B	3WL12 16-3□□32-....	1	1 unit	103	56.000
II	2000	2000	80	B	3WL12 20-3□□32-....	1	1 unit	103	56.000
II	2500	2500	80	B	3WL12 25-3□□32-....	1	1 unit	103	59.000
II	3200	3200	80	B	3WL12 32-3□□32-....	1	1 unit	103	64.000
Vertical main circuit connection									
I	630	630	66	B	3WL11 06-3□□31-....	1	1 unit	103	43.000
I	800	800	66	B	3WL11 08-3□□31-....	1	1 unit	103	43.000
I	1000	1000	66	B	3WL11 10-3□□31-....	1	1 unit	103	43.000
I	1250	1250	66	B	3WL11 12-3□□31-....	1	1 unit	103	43.000
I	1600	1600	66	B	3WL11 16-3□□31-....	1	1 unit	103	43.000
II	800	800	80	B	3WL12 08-3□□31-....	1	1 unit	103	56.000
II	1000	1000	80	B	3WL12 10-3□□31-....	1	1 unit	103	56.000
II	1250	1250	80	B	3WL12 12-3□□31-....	1	1 unit	103	56.000
II	1600	1600	80	B	3WL12 16-3□□31-....	1	1 unit	103	56.000
II	2000	2000	80	B	3WL12 20-3□□31-....	1	1 unit	103	56.000
II	2500	2500	80	B	3WL12 25-3□□31-....	1	1 unit	103	59.000
II	3200	3200	80	B	3WL12 32-3□□31-....	1	1 unit	103	64.000
II	4000	4000	80	B	3WL12 40-3□□31-....	1	1 unit	103	85.000
Front main circuit connection, single hole									
I	630	630	66	B	3WL11 06-3□□33-....	1	1 unit	103	43.000
I	800	800	66	B	3WL11 08-3□□33-....	1	1 unit	103	43.000
I	1000	1000	66	B	3WL11 10-3□□33-....	1	1 unit	103	43.000
I	1250	1250	66	B	3WL11 12-3□□33-....	1	1 unit	103	43.000
I	1600	1600	66	B	3WL11 16-3□□33-....	1	1 unit	103	43.000
II	800	800	80	B	3WL12 08-3□□33-....	1	1 unit	103	56.000
II	1000	1000	80	B	3WL12 10-3□□33-....	1	1 unit	103	56.000
II	1250	1250	80	B	3WL12 12-3□□33-....	1	1 unit	103	56.000
II	1600	1600	80	B	3WL12 16-3□□33-....	1	1 unit	103	56.000
II	2000	2000	80	B	3WL12 20-3□□33-....	1	1 unit	103	56.000
II	2500	2500	80	B	3WL12 25-3□□33-....	1	1 unit	103	59.000
II	3200	3200	80	B	3WL12 32-3□□33-....	1	1 unit	103	64.000
Front main circuit connection, double hole									
I	630	630	66	B	3WL11 06-3□□34-....	1	1 unit	103	43.000
I	800	800	66	B	3WL11 08-3□□34-....	1	1 unit	103	43.000
I	1000	1000	66	B	3WL11 10-3□□34-....	1	1 unit	103	43.000
I	1250	1250	66	B	3WL11 12-3□□34-....	1	1 unit	103	43.000
I	1600	1600	66	B	3WL11 16-3□□34-....	1	1 unit	103	43.000
II	800	800	80	B	3WL12 08-3□□34-....	1	1 unit	103	56.000
II	1000	1000	80	B	3WL12 10-3□□34-....	1	1 unit	103	56.000
II	1250	1250	80	B	3WL12 12-3□□34-....	1	1 unit	103	56.000
II	1600	1600	80	B	3WL12 16-3□□34-....	1	1 unit	103	56.000
II	2000	2000	80	B	3WL12 20-3□□34-....	1	1 unit	103	56.000
II	2500	2500	80	B	3WL12 25-3□□34-....	1	1 unit	103	59.000
II	3200	3200	80	B	3WL12 32-3□□34-....	1	1 unit	103	64.000
Non-automatic circuit breakers ²⁾					Order No. supplements	Add. price			
Without electronic release					AA	None			
Electronic releases									
Versions without ground-fault protection									
ETU15B: Protection functions LI					BB	x			
ETU25B: Protection functions LSI					CB	x			
ETU45B: Protection functions LSIN ³⁾					EB	x			
ETU45B: Protection functions LSIN ³⁾ with 4-line display					FB	x			
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display					NB	x			
Versions with ground-fault protection									
ETU27B: Protection functions LSING ⁴⁾					DG	x			
ETU45B: Protection functions LSING ³⁾⁵⁾					EG	x			
ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display					FG	x			
ETU76B: Protection functions LSING ³⁾⁵⁾ with pixel graphics display					NG	x			
Standard Order No. supplements (for further Order No. supplements, see page 15/23)									
Manual operating mechanism with mechanical closing									
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO					1AA2	None			

x = Additional price

For footnotes see page 15/10.

* You can order this quantity or a multiple thereof.

SETRON 3WL Air Circuit Breakers

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

3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current <i>I</i> _n max.	Rated current ¹⁾ <i>I</i> _n	<i>I</i> _{cu} up to 100 kA at 500 V, high switching capacity H			Order No. Order No. supplements, see page 15/23	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A	kA	DT								kg
Horizontal main circuit connection											
II	800	800	100	B	3WL12 08-4□□32-....		1	1 unit	103	56.000	
II	1000	1000	100	B	3WL12 10-4□□32-....		1	1 unit	103	56.000	
II	1250	1250	100	B	3WL12 12-4□□32-....		1	1 unit	103	56.000	
II	1600	1600	100	B	3WL12 16-4□□32-....		1	1 unit	103	56.000	
II	2000	2000	100	B	3WL12 20-4□□32-....		1	1 unit	103	56.000	
II	2500	2500	100	B	3WL12 25-4□□32-....		1	1 unit	103	59.000	
II	3200	3200	100	B	3WL12 32-4□□32-....		1	1 unit	103	64.000	
III	4000	4000	100	B	3WL13 40-4□□32-....		1	1 unit	103	82.000	
III	5000	5000	100	B	3WL13 50-4□□32-....		1	1 unit	103	82.000	
Vertical main circuit connection											
II	800	800	100	B	3WL12 08-4□□31-....		1	1 unit	103	56.000	
II	1000	1000	100	B	3WL12 10-4□□31-....		1	1 unit	103	56.000	
II	1250	1250	100	B	3WL12 12-4□□31-....		1	1 unit	103	56.000	
II	1600	1600	100	B	3WL12 16-4□□31-....		1	1 unit	103	56.000	
II	2000	2000	100	B	3WL12 20-4□□31-....		1	1 unit	103	56.000	
II	2500	2500	100	B	3WL12 25-4□□31-....		1	1 unit	103	59.000	
II	3200	3200	100	B	3WL12 32-4□□31-....		1	1 unit	103	64.000	
II	4000	4000	100	B	3WL12 40-4□□31-....		1	1 unit	103	85.000	
III	4000	4000	100	B	3WL13 40-4□□31-....		1	1 unit	103	82.000	
III	5000	5000	100	B	3WL13 50-4□□31-....		1	1 unit	103	82.000	
III	6300	6300	100	B	3WL13 63-4□□31-....		1	1 unit	103	90.000	
Front main circuit connection, single hole											
II	800	800	100	B	3WL12 08-4□□33-....		1	1 unit	103	56.000	
II	1000	1000	100	B	3WL12 10-4□□33-....		1	1 unit	103	56.000	
II	1250	1250	100	B	3WL12 12-4□□33-....		1	1 unit	103	56.000	
II	1600	1600	100	B	3WL12 16-4□□33-....		1	1 unit	103	56.000	
II	2000	2000	100	B	3WL12 20-4□□33-....		1	1 unit	103	56.000	
II	2500	2500	100	B	3WL12 25-4□□33-....		1	1 unit	103	59.000	
II	3200	3200	100	B	3WL12 32-4□□33-....		1	1 unit	103	64.000	
III	4000	4000	100	B	3WL13 40-4□□33-....		1	1 unit	103	82.000	
Front main circuit connection, double hole											
II	800	800	100	B	3WL12 08-4□□34-....		1	1 unit	103	56.000	
II	1000	1000	100	B	3WL12 10-4□□34-....		1	1 unit	103	56.000	
II	1250	1250	100	B	3WL12 12-4□□34-....		1	1 unit	103	56.000	
II	1600	1600	100	B	3WL12 16-4□□34-....		1	1 unit	103	56.000	
II	2000	2000	100	B	3WL12 20-4□□34-....		1	1 unit	103	56.000	
II	2500	2500	100	B	3WL12 25-4□□34-....		1	1 unit	103	59.000	
II	3200	3200	100	B	3WL12 32-4□□34-....		1	1 unit	103	64.000	
III	4000	4000	100	B	3WL13 40-4□□34-....		1	1 unit	103	82.000	
Non-automatic circuit breakers ²⁾					Order No. supplements	Add. price					
Without electronic release					AA	None					
Electronic releases											
Versions without ground-fault protection											
ETU15B: Protection functions LI ⁽⁶⁾					BB	x					
ETU25B: Protection functions LSI					CB	x					
ETU45B: Protection functions LSIN ⁽³⁾					EB	x					
ETU45B: Protection functions LSIN ⁽³⁾ with 4-line display					FB	x					
ETU76B: Protection functions LSIN ⁽³⁾ with pixel graphics display					NB	x					
Versions with ground-fault protection											
ETU27B: Protection functions LSING ⁽⁴⁾					DG	x					
ETU45B: Protection functions LSING ⁽³⁾⁽⁵⁾					EG	x					
ETU45B: Protection functions LSING ⁽³⁾⁽⁵⁾ with 4-line display					FG	x					
ETU76B: Protection functions LSING ⁽³⁾⁽⁵⁾ with pixel graphics display					NG	x					
Standard Order No. supplements (for further Order No. supplements, see page 15/23)											
Manual operating mechanism with mechanical closing					1AA2	None					
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO											

x = Additional price

For footnotes see page 15/10.

SENTRON 3WL Air Circuit Breakers

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

3-pole, fixed-mounted versions

Size	Max. rated circuit breaker current <i>I</i> _n max.	Rated current ¹⁾ <i>I</i> _n	<i>I</i> _{cu} up to 150 kA at 500 V, very high switching capacity C		C	Order No. Order No. supplements, see page 15/23	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A	kA	DT	kg							
Horizontal main circuit connection											
III	4000	4000	150	B		3WL13 40-5□□32-....		1	1 unit	103	82.000
III	5000	5000	150	B		3WL13 50-5□□32-....		1	1 unit	103	82.000
Vertical main circuit connection											
III	4000	4000	150	B		3WL13 40-5□□31-....		1	1 unit	103	82.000
III	5000	5000	150	B		3WL13 50-5□□31-....		1	1 unit	103	82.000
III	6300	6300	150	B		3WL13 63-5□□31-....		1	1 unit	103	90.000
Non-automatic circuit breakers ²⁾						Order No. supplements	Add. price				
Without electronic release						AA	None				
Electronic releases											
Versions without ground-fault protection											
ETU25B: Protection functions LSI						CB	x				
ETU45B: Protection functions LSIN ³⁾						EB	x				
ETU45B: Protection functions LSIN ³⁾ with 4-line display						FB	x				
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display						NB	x				
Versions with ground-fault protection											
ETU27B: Protection functions LSING ⁴⁾						DG	x				
ETU45B: Protection functions LSING ³⁾⁵⁾						EG	x				
ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display						FG	x				
ETU76B: Protection functions LSING ³⁾⁵⁾ with pixel graphics display						NG	x				
Standard Order No. supplements (for further Order No. supplements, see page 15/23)											
Manual operating mechanism with mechanical closing						1AA2	None				
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO											

x = Additional price

Footnotes for pages 15/7 to 15/10:

- The rated current is determined by the rated current module. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 15/24.
- For permissible rated short-time current I_{cc} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see page 15/3.
- Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 15/34.
- Current transformers for protection of the N conductor are to be ordered separately, see page 15/34.
- ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 15/34.
- ETU15B cannot be used with 3WL circuit breakers, size III.

SENTRON 3WL Air Circuit Breakers

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

3-pole, withdrawable versions

Selection and ordering data

Size	Max. rated circuit breaker current <i>I</i> _n max.	Rated current ¹⁾ <i>I</i> _n	<i>I</i> _{cu} up to 55/66 kA at 500 V, ECO switching capacity N			PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
					Order No. For Order No. supplements, see page 15/23	Basic price per PU			
A	A	kA	DT	kg					
Without guide frames (for guide frames, see page 15/30 to 15/33)									
I	630	630	55	B	3WL11 06-2□□35-....	1	1 unit	103	45.000
I	800	800	55	B	3WL11 08-2□□35-....	1	1 unit	103	45.000
I	1000	1000	55	B	3WL11 10-2□□35-....	1	1 unit	103	45.000
I	1250	1250	55	B	3WL11 12-2□□35-....	1	1 unit	103	45.000
I	1600	1600	55	B	3WL11 16-2□□35-....	1	1 unit	103	45.000
II	800	800	66	B	3WL12 08-2□□35-....	1	1 unit	103	60.000
II	1000	1000	66	B	3WL12 10-2□□35-....	1	1 unit	103	60.000
II	1250	1250	66	B	3WL12 12-2□□35-....	1	1 unit	103	60.000
II	1600	1600	66	B	3WL12 16-2□□35-....	1	1 unit	103	60.000
II	2000	2000	66	B	3WL12 20-2□□35-....	1	1 unit	103	60.000
II	2500	2500	66	B	3WL12 25-2□□35-....	1	1 unit	103	63.000
II	3200	3200	66	B	3WL12 32-2□□35-....	1	1 unit	103	68.000
With guide frames, horizontal main circuit connection									
I	630	630	55	B	3WL11 06-2□□36-....	1	1 unit	103	70.000
I	800	800	55	B	3WL11 08-2□□36-....	1	1 unit	103	70.000
I	1000	1000	55	B	3WL11 10-2□□36-....	1	1 unit	103	70.000
I	1250	1250	55	B	3WL11 12-2□□36-....	1	1 unit	103	70.000
I	1600	1600	55	B	3WL11 16-2□□36-....	1	1 unit	103	70.000
II	800	800	66	B	3WL12 08-2□□36-....	1	1 unit	103	91.000
II	1000	1000	66	B	3WL12 10-2□□36-....	1	1 unit	103	91.000
II	1250	1250	66	B	3WL12 12-2□□36-....	1	1 unit	103	91.000
II	1600	1600	66	B	3WL12 16-2□□36-....	1	1 unit	103	91.000
II	2000	2000	66	B	3WL12 20-2□□36-....	1	1 unit	103	91.000
II	2500	2500	66	B	3WL12 25-2□□36-....	1	1 unit	103	102.000
II	3200	3200	66	B	3WL12 32-2□□36-....	1	1 unit	103	113.000
With guide frames, vertical main circuit connection									
I	630	630	55	B	3WL11 06-2□□37-....	1	1 unit	103	70.000
I	800	800	55	B	3WL11 08-2□□37-....	1	1 unit	103	70.000
I	1000	1000	55	B	3WL11 10-2□□37-....	1	1 unit	103	70.000
I	1250	1250	55	B	3WL11 12-2□□37-....	1	1 unit	103	70.000
I	1600	1600	55	B	3WL11 16-2□□37-....	1	1 unit	103	70.000
II	800	800	66	B	3WL12 08-2□□37-....	1	1 unit	103	91.000
II	1000	1000	66	B	3WL12 10-2□□37-....	1	1 unit	103	91.000
II	1250	1250	66	B	3WL12 12-2□□37-....	1	1 unit	103	91.000
II	1600	1600	66	B	3WL12 16-2□□37-....	1	1 unit	103	91.000
II	2000	2000	66	B	3WL12 20-2□□37-....	1	1 unit	103	91.000
II	2500	2500	66	B	3WL12 25-2□□37-....	1	1 unit	103	102.000
II	3200	3200	66	B	3WL12 32-2□□37-....	1	1 unit	103	113.000
II	4000	4000	66	B	3WL12 40-2□□37-....	1	1 unit	103	121.000
With guide frames, connecting flanges									
I	630	630	55	B	3WL11 06-2□□38-....	1	1 unit	103	70.000
I	800	800	55	B	3WL11 08-2□□38-....	1	1 unit	103	70.000
I	1000	1000	55	B	3WL11 10-2□□38-....	1	1 unit	103	70.000
I	1250	1250	55	B	3WL11 12-2□□38-....	1	1 unit	103	70.000
I	1600	1600	55	B	3WL11 16-2□□38-....	1	1 unit	103	70.000
II	800	800	66	B	3WL12 08-2□□38-....	1	1 unit	103	91.000
II	1000	1000	66	B	3WL12 10-2□□38-....	1	1 unit	103	91.000
II	1250	1250	66	B	3WL12 12-2□□38-....	1	1 unit	103	91.000
II	1600	1600	66	B	3WL12 16-2□□38-....	1	1 unit	103	91.000
II	2000	2000	66	B	3WL12 20-2□□38-....	1	1 unit	103	91.000
II	2500	2500	66	B	3WL12 25-2□□38-....	1	1 unit	103	102.000
II	3200	3200	66	B	3WL12 32-2□□38-....	1	1 unit	103	113.000
Non-automatic circuit breakers ²⁾					Order No. supplements	Add. price			
Without electronic release					AA	None			
Electronic releases									
Versions without ground-fault protection									
ETU15B: Protection functions LI					BB	x			
ETU25B: Protection functions LSI					CB	x			
ETU45B: Protection functions LSIN ³⁾					EB	x			
ETU45B: Protection functions LSIN ³⁾ with 4-line display					FB	x			
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display					NB	x			
Versions with ground-fault protection									
ETU27B: Protection functions LSING ⁴⁾					DG	x			
ETU45B: Protection functions LSING ^{3/5)}					EG	x			
ETU45B: Protection functions LSING ^{3/5)} with 4-line display					FG	x			
ETU76B: Protection functions LSING ^{3/5)} with pixel graphics display					NG	x			

Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/23)

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

1AA2

None

x = Additional price

For footnotes see page 15/14.

* You can order this quantity or a multiple thereof.

SENTRON 3WL Air Circuit Breakers

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

3-pole, withdrawable versions

Size	Max. rated circuit breaker current <i>I</i> _n max.	Rated current ¹⁾ <i>I</i> _n	<i>I</i> _{cu} up to 66/80 kA at 500 V, standard switching capacity S			PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A	kA	DT	Order No. For Order No. supplements, see page 15/23	Basic price per PU				kg
Without guide frames (for guide frames, see page 15/30 to 15/33)									
I	630	630	66	B	3WL11 06-3□□35-....	1	1 unit	103	45.000
I	800	800	66	B	3WL11 08-3□□35-....	1	1 unit	103	45.000
I	1000	1000	66	B	3WL11 10-3□□35-....	1	1 unit	103	45.000
I	1250	1250	66	B	3WL11 12-3□□35-....	1	1 unit	103	45.000
I	1600	1600	66	B	3WL11 16-3□□35-....	1	1 unit	103	45.000
II	800	800	80	B	3WL12 08-3□□35-....	1	1 unit	103	60.000
II	1000	1000	80	B	3WL12 10-3□□35-....	1	1 unit	103	60.000
II	1250	1250	80	B	3WL12 12-3□□35-....	1	1 unit	103	60.000
II	1600	1600	80	B	3WL12 16-3□□35-....	1	1 unit	103	60.000
II	2000	2000	80	B	3WL12 20-3□□35-....	1	1 unit	103	60.000
II	2500	2500	80	B	3WL12 25-3□□35-....	1	1 unit	103	63.000
II	3200	3200	80	B	3WL12 32-3□□35-....	1	1 unit	103	68.000
With guide frames, horizontal main circuit connection									
I	630	630	66	B	3WL11 06-3□□36-....	1	1 unit	103	70.000
I	800	800	66	B	3WL11 08-3□□36-....	1	1 unit	103	70.000
I	1000	1000	66	B	3WL11 10-3□□36-....	1	1 unit	103	70.000
I	1250	1250	66	B	3WL11 12-3□□36-....	1	1 unit	103	70.000
I	1600	1600	66	B	3WL11 16-3□□36-....	1	1 unit	103	70.000
II	800	800	80	B	3WL12 08-3□□36-....	1	1 unit	103	91.000
II	1000	1000	80	B	3WL12 10-3□□36-....	1	1 unit	103	91.000
II	1250	1250	80	B	3WL12 12-3□□36-....	1	1 unit	103	91.000
II	1600	1600	80	B	3WL12 16-3□□36-....	1	1 unit	103	91.000
II	2000	2000	80	B	3WL12 20-3□□36-....	1	1 unit	103	91.000
II	2500	2500	80	B	3WL12 25-3□□36-....	1	1 unit	103	102.000
II	3200	3200	80	B	3WL12 32-3□□36-....	1	1 unit	103	113.000
With guide frames, vertical main circuit connection									
I	630	630	66	B	3WL11 06-3□□37-....	1	1 unit	103	70.000
I	800	800	66	B	3WL11 08-3□□37-....	1	1 unit	103	70.000
I	1000	1000	66	B	3WL11 10-3□□37-....	1	1 unit	103	70.000
I	1250	1250	66	B	3WL11 12-3□□37-....	1	1 unit	103	70.000
I	1600	1600	66	B	3WL11 16-3□□37-....	1	1 unit	103	70.000
II	800	800	80	B	3WL12 08-3□□37-....	1	1 unit	103	91.000
II	1000	1000	80	B	3WL12 10-3□□37-....	1	1 unit	103	91.000
II	1250	1250	80	B	3WL12 12-3□□37-....	1	1 unit	103	91.000
II	1600	1600	80	B	3WL12 16-3□□37-....	1	1 unit	103	91.000
II	2000	2000	80	B	3WL12 20-3□□37-....	1	1 unit	103	91.000
II	2500	2500	80	B	3WL12 25-3□□37-....	1	1 unit	103	102.000
II	3200	3200	80	B	3WL12 32-3□□37-....	1	1 unit	103	113.000
II	4000	4000	80	B	3WL12 40-3□□37-....	1	1 unit	103	121.000
With guide frames, connecting flanges									
I	630	630	66	B	3WL11 06-3□□38-....	1	1 unit	103	70.000
I	800	800	66	B	3WL11 08-3□□38-....	1	1 unit	103	70.000
I	1000	1000	66	B	3WL11 10-3□□38-....	1	1 unit	103	70.000
I	1250	1250	66	B	3WL11 12-3□□38-....	1	1 unit	103	70.000
I	1600	1600	66	B	3WL11 16-3□□38-....	1	1 unit	103	70.000
II	800	800	80	B	3WL12 08-3□□38-....	1	1 unit	103	91.000
II	1000	1000	80	B	3WL12 10-3□□38-....	1	1 unit	103	91.000
II	1250	1250	80	B	3WL12 12-3□□38-....	1	1 unit	103	91.000
II	1600	1600	80	B	3WL12 16-3□□38-....	1	1 unit	103	91.000
II	2000	2000	80	B	3WL12 20-3□□38-....	1	1 unit	103	91.000
II	2500	2500	80	B	3WL12 25-3□□38-....	1	1 unit	103	102.000
II	3200	3200	80	B	3WL12 32-3□□38-....	1	1 unit	103	113.000
Non-automatic circuit breakers ²⁾					Order No. supplements	Add. price			
Without electronic release					AA	None			
Electronic releases									
Versions without ground-fault protection									
ETU15B: Protection functions LI					BB	x			
ETU25B: Protection functions LSI					CB	x			
ETU45B: Protection functions LSIN ³⁾					EB	x			
ETU45B: Protection functions LSIN ³⁾ with 4-line display					FB	x			
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display					NB	x			
Versions with ground-fault protection									
ETU27B: Protection functions LSING ⁴⁾					DG	x			
ETU45B: Protection functions LSING ³⁾⁵⁾					EG	x			
ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display					FG	x			
ETU76B: Protection functions LSING ³⁾⁵⁾ with pixel graphics display					NG	x			
Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/23)									
Manual operating mechanism with mechanical closing					1AA2	None			
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO									

x = Additional price

For footnotes see page 15/14.

* You can order this quantity or a multiple thereof.

SENTRON 3WL Air Circuit Breakers

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

3-pole, withdrawable versions

Size	Max. rated circuit breaker current <i>I</i> _n max.	Rated current ¹⁾ <i>I</i> _n	<i>I</i> _{cu} up to 100 kA at 500 V, high switching capacity H			PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A	kA	DT	Order No. Order No. supplements, see page 15/23	Basic price per PU				kg
Without guide frames (for guide frames, see page 15/30 to 15/33)									
II	800	800	100	B	3WL12 08-4□□35-....	1	1 unit	103	60.000
II	1000	1000	100	B	3WL12 10-4□□35-....	1	1 unit	103	60.000
II	1250	1250	100	B	3WL12 12-4□□35-....	1	1 unit	103	60.000
II	1600	1600	100	B	3WL12 16-4□□35-....	1	1 unit	103	60.000
II	2000	2000	100	B	3WL12 20-4□□35-....	1	1 unit	103	60.000
II	2500	2500	100	B	3WL12 25-4□□35-....	1	1 unit	103	63.000
II	3200	3200	100	B	3WL12 32-4□□35-....	1	1 unit	103	68.000
III	4000	4000	100	B	3WL13 40-4□□35-....	1	1 unit	103	88.000
III	5000	5000	100	B	3WL13 50-4□□35-....	1	1 unit	103	88.000
III	6300	6300	100	B	3WL13 63-4□□35-....	1	1 unit	103	96.000
With guide frames, horizontal main circuit connection									
II	800	800	100	B	3WL12 08-4□□36-....	1	1 unit	103	91.000
II	1000	1000	100	B	3WL12 10-4□□36-....	1	1 unit	103	91.000
II	1250	1250	100	B	3WL12 12-4□□36-....	1	1 unit	103	91.000
II	1600	1600	100	B	3WL12 16-4□□36-....	1	1 unit	103	91.000
II	2000	2000	100	B	3WL12 20-4□□36-....	1	1 unit	103	91.000
II	2500	2500	100	B	3WL12 25-4□□36-....	1	1 unit	103	102.000
II	3200	3200	100	B	3WL12 32-4□□36-....	1	1 unit	103	113.000
III	4000	4000	100	B	3WL13 40-4□□36-....	1	1 unit	103	148.000
III	5000	5000	100	B	3WL13 50-4□□36-....	1	1 unit	103	148.000
With guide frames, vertical main circuit connection									
II	800	800	100	B	3WL12 08-4□□37-....	1	1 unit	103	91.000
II	1000	1000	100	B	3WL12 10-4□□37-....	1	1 unit	103	91.000
II	1250	1250	100	B	3WL12 12-4□□37-....	1	1 unit	103	91.000
II	1600	1600	100	B	3WL12 16-4□□37-....	1	1 unit	103	91.000
II	2000	2000	100	B	3WL12 20-4□□37-....	1	1 unit	103	91.000
II	2500	2500	100	B	3WL12 25-4□□37-....	1	1 unit	103	102.000
II	3200	3200	100	B	3WL12 32-4□□37-....	1	1 unit	103	113.000
II	4000	4000	100	B	3WL12 40-4□□37-....	1	1 unit	103	121.000
III	4000	4000	100	B	3WL13 40-4□□37-....	1	1 unit	103	148.000
III	5000	5000	100	B	3WL13 50-4□□37-....	1	1 unit	103	148.000
III	6300	6300	100	B	3WL13 63-4□□37-....	1	1 unit	103	166.000
With guide frames, connecting flanges									
II	800	800	100	B	3WL12 08-4□□38-....	1	1 unit	103	91.000
II	1000	1000	100	B	3WL12 10-4□□38-....	1	1 unit	103	91.000
II	1250	1250	100	B	3WL12 12-4□□38-....	1	1 unit	103	91.000
II	1600	1600	100	B	3WL12 16-4□□38-....	1	1 unit	103	91.000
II	2000	2000	100	B	3WL12 20-4□□38-....	1	1 unit	103	91.000
II	2500	2500	100	B	3WL12 25-4□□38-....	1	1 unit	103	102.000
II	3200	3200	100	B	3WL12 32-4□□38-....	1	1 unit	103	113.000
III	4000	4000	100	B	3WL13 40-4□□38-....	1	1 unit	103	148.000
Non-automatic circuit breakers ²⁾					Order No. supplements	Add. price			
Without electronic release					AA	None			
Electronic releases									
Versions without ground-fault protection									
ETU15B: Protection functions LI ⁶⁾					BB	x			
ETU25B: Protection functions LSI					CB	x			
ETU45B: Protection functions LSIN ³⁾					EB	x			
ETU45B: Protection functions LSIN ³⁾ with 4-line display					FB	x			
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display					NB	x			
Versions with ground-fault protection									
ETU27B: Protection functions LSING ⁴⁾					DG	x			
ETU45B: Protection functions LSING ³⁾⁵⁾					EG	x			
ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display					FG	x			
ETU76B: Protection functions LSING ³⁾⁵⁾ with pixel graphics display					NG	x			
Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/23)									
Manual operating mechanism with mechanical closing					1AA2	None			
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO									

x = Additional price

For footnotes see page 15/14.

SENTRON 3WL Air Circuit Breakers

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

3-pole, withdrawable versions

Size	Max. rated circuit breaker current I_n max.	Rated current ¹⁾ I_n	I_{cu} up to 150 kA at 500 V, very high switching capacity C		C	Order No. Order No. supplements, see page 15/23	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A	kA	DT	kg							
Without guide frames (for guide frames, see page 15/30 to 15/33)											
III	4000	4000	150	B		3WL13 40-5□□35-....		1	1 unit	103	88.000
III	5000	5000	150	B		3WL13 50-5□□35-....		1	1 unit	103	88.000
III	6300	6300	150	B		3WL13 63-5□□35-....		1	1 unit	103	96.000
With guide frames, horizontal main circuit connection											
III	4000	4000	150	B		3WL13 40-5□□36-....		1	1 unit	103	148.000
III	5000	5000	150	B		3WL13 50-5□□36-....		1	1 unit	103	148.000
With guide frames, vertical main circuit connection											
III	4000	4000	150	B		3WL13 40-5□□37-....		1	1 unit	103	148.000
III	5000	5000	150	B		3WL13 50-5□□37-....		1	1 unit	103	148.000
III	6300	6300	150	B		3WL13 63-5□□37-....		1	1 unit	103	166.000
Non-automatic circuit breakers ²⁾ Without electronic release						Order No. supplements	Add. price				
						AA	None				
Electronic releases											
Versions without ground-fault protection											
ETU25B: Protection functions LSI						CB	x				
ETU45B: Protection functions LSIN ³⁾						EB	x				
ETU45B: Protection functions LSIN ³⁾ with 4-line display						FB	x				
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display						NB	x				
Versions with ground-fault protection											
ETU27B: Protection functions LSING ⁴⁾						DG	x				
ETU45B: Protection functions LSING ³⁾⁵⁾						EG	x				
ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display						FG	x				
ETU76B: Protection functions LSING ³⁾⁵⁾ with pixel graphics display						NG	x				
Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/23)											
Manual operating mechanism with mechanical closing						1AA2	None				
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO											

x = Additional price

Footnotes for pages 15/11 to 15/14:

- 1) The rated current is determined by the rated current module. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 15/24.
- 2) For permissible rated short-time current I_{cs} and rated short-circuit making capacity I_{cm} for non-automatic air circuit breakers see page 15/3.
- 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 15/34.

- 4) Current transformers for protection of the N conductor are to be ordered separately, see page 15/34.
- 5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 15/34.
- 6) ETU15B cannot be used with 3WL circuit breakers, size III.

SENTRON 3WL Air Circuit Breakers

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

4-pole, fixed-mounted versions

Selection and ordering data

Size	Max. rated circuit breaker current $I_{n \max}$	Rated current ¹⁾ I_n	I_{cu} up to 55/66 kA at 500 V, ECO switching capacity N		Order No. Order No. supplements, see page 15/23	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A	kA	DT							kg
Horizontal main circuit connection										
I	630	630	55	B	3WL11 06-2□□42-....		1	1 unit	103	50.000
I	800	800	55	B	3WL11 08-2□□42-....		1	1 unit	103	50.000
I	1000	1000	55	B	3WL11 10-2□□42-....		1	1 unit	103	50.000
I	1250	1250	55	B	3WL11 12-2□□42-....		1	1 unit	103	50.000
I	1600	1600	55	B	3WL11 16-2□□42-....		1	1 unit	103	50.000
II	800	800	66	B	3WL12 08-2□□42-....		1	1 unit	103	67.000
II	1000	1000	66	B	3WL12 10-2□□42-....		1	1 unit	103	67.000
II	1250	1250	66	B	3WL12 12-2□□42-....		1	1 unit	103	67.000
II	1600	1600	66	B	3WL12 16-2□□42-....		1	1 unit	103	67.000
II	2000	2000	66	B	3WL12 20-2□□42-....		1	1 unit	103	67.000
II	2500	2500	66	B	3WL12 25-2□□42-....		1	1 unit	103	71.000
II	3200	3200	66	B	3WL12 32-2□□42-....		1	1 unit	103	77.000
Vertical main circuit connection										
I	630	630	55	B	3WL11 06-2□□41-....		1	1 unit	103	50.000
I	800	800	55	B	3WL11 08-2□□41-....		1	1 unit	103	50.000
I	1000	1000	55	B	3WL11 10-2□□41-....		1	1 unit	103	50.000
I	1250	1250	55	B	3WL11 12-2□□41-....		1	1 unit	103	50.000
I	1600	1600	55	B	3WL11 16-2□□41-....		1	1 unit	103	50.000
II	800	800	66	B	3WL12 08-2□□41-....		1	1 unit	103	75.000
II	1000	1000	66	B	3WL12 10-2□□41-....		1	1 unit	103	75.000
II	1250	1250	66	B	3WL12 12-2□□41-....		1	1 unit	103	75.000
II	1600	1600	66	B	3WL12 16-2□□41-....		1	1 unit	103	75.000
II	2000	2000	66	B	3WL12 20-2□□41-....		1	1 unit	103	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
Front main circuit connection, single hole										
I	630	630	55	B	3WL11 06-2□□43-....		1	1 unit	103	50.000
I	800	800	55	B	3WL11 08-2□□43-....		1	1 unit	103	50.000
I	1000	1000	55	B	3WL11 10-2□□43-....		1	1 unit	103	50.000
I	1250	1250	55	B	3WL11 12-2□□43-....		1	1 unit	103	50.000
I	1600	1600	55	B	3WL11 16-2□□43-....		1	1 unit	103	50.000
II	800	800	66	B	3WL12 08-2□□43-....		1	1 unit	103	67.000
II	1000	1000	66	B	3WL12 10-2□□43-....		1	1 unit	103	67.000
II	1250	1250	66	B	3WL12 12-2□□43-....		1	1 unit	103	67.000
II	1600	1600	66	B	3WL12 16-2□□43-....		1	1 unit	103	67.000
II	2000	2000	66	B	3WL12 20-2□□43-....		1	1 unit	103	67.000
II	2500	2500	66	B	3WL12 25-2□□43-....		1	1 unit	103	71.000
II	3200	3200	66	B	3WL12 32-2□□43-....		1	1 unit	103	77.000
Front main circuit connection, double hole										
I	630	630	55	B	3WL11 06-2□□44-....		1	1 unit	103	50.000
I	800	800	55	B	3WL11 08-2□□44-....		1	1 unit	103	50.000
I	1000	1000	55	B	3WL11 10-2□□44-....		1	1 unit	103	50.000
I	1250	1250	55	B	3WL11 12-2□□44-....		1	1 unit	103	50.000
I	1600	1600	55	B	3WL11 16-2□□44-....		1	1 unit	103	50.000
II	800	800	66	B	3WL12 08-2□□44-....		1	1 unit	103	67.000
II	1000	1000	66	B	3WL12 10-2□□44-....		1	1 unit	103	67.000
II	1250	1250	66	B	3WL12 12-2□□44-....		1	1 unit	103	67.000
II	1600	1600	66	B	3WL12 16-2□□44-....		1	1 unit	103	67.000
II	2000	2000	66	B	3WL12 20-2□□44-....		1	1 unit	103	67.000
II	2500	2500	66	B	3WL12 25-2□□44-....		1	1 unit	103	71.000
II	3200	3200	66	B	3WL12 32-2□□44-....		1	1 unit	103	77.000

Non-automatic circuit breakers²⁾

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 LSIN³⁾ETU45B: Protection functions LSIN³⁾ with 4-line displayETU76B: Protection functions LSIN³⁾ with pixel graphics display

BB

x

CB

x

EB

x

FB

x

NB

x

Versions with ground-fault protectionETU27B: Protection functions LSING⁴⁾ETU45B: Protection functions LSING³⁾⁵⁾ETU45B: Protection functions LSING³⁾⁵⁾ with 4-line displayETU76B: Protection functions LSING³⁾⁵⁾ with pixel graphics display

DG

x

EG

x

FG

x

NG

x

Standard Order No. supplements (for further Order No. supplements, see page 15/23)

Manual operating mechanism with mechanical closing

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

1AA2

None

x = Additional price

For footnotes see page 15/18.

* You can order this quantity or a multiple thereof.

SENTRON 3WL Air Circuit Breakers

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

4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current <i>I</i> _n max.	Rated current ¹⁾ <i>I</i> _n	<i>I</i> _{cu} up to 66/80 kA at 500 V, standard switching capacity S		(S)	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	A	A	kA	DT	Order No. Order No. supplements, see page 15/23	Basic price per PU			kg
Horizontal main circuit connection									
I	630	630	66	B	3WL11 06-3□□42-....	1	1 unit	103	50.000
I	800	800	66	B	3WL11 08-3□□42-....	1	1 unit	103	50.000
I	1000	1000	66	B	3WL11 10-3□□42-....	1	1 unit	103	50.000
I	1250	1250	66	B	3WL11 12-3□□42-....	1	1 unit	103	50.000
I	1600	1600	66	B	3WL11 16-3□□42-....	1	1 unit	103	50.000
II	800	800	80	B	3WL12 08-3□□42-....	1	1 unit	103	67.000
II	1000	1000	80	B	3WL12 10-3□□42-....	1	1 unit	103	67.000
II	1250	1250	80	B	3WL12 12-3□□42-....	1	1 unit	103	67.000
II	1600	1600	80	B	3WL12 16-3□□42-....	1	1 unit	103	67.000
II	2000	2000	80	B	3WL12 20-3□□42-....	1	1 unit	103	67.000
II	2500	2500	80	B	3WL12 25-3□□42-....	1	1 unit	103	71.000
II	3200	3200	80	B	3WL12 32-3□□42-....	1	1 unit	103	77.000
Vertical main circuit connection									
I	630	630	66	B	3WL11 06-3□□41-....	1	1 unit	103	50.000
I	800	800	66	B	3WL11 08-3□□41-....	1	1 unit	103	50.000
I	1000	1000	66	B	3WL11 10-3□□41-....	1	1 unit	103	50.000
I	1250	1250	66	B	3WL11 12-3□□41-....	1	1 unit	103	50.000
I	1600	1600	66	B	3WL11 16-3□□41-....	1	1 unit	103	50.000
II	800	800	80	B	3WL12 08-3□□41-....	1	1 unit	103	67.000
II	1000	1000	80	B	3WL12 10-3□□41-....	1	1 unit	103	67.000
II	1250	1250	80	B	3WL12 12-3□□41-....	1	1 unit	103	67.000
II	1600	1600	80	B	3WL12 16-3□□41-....	1	1 unit	103	67.000
II	2000	2000	80	B	3WL12 20-3□□41-....	1	1 unit	103	67.000
II	2500	2500	80	B	3WL12 25-3□□41-....	1	1 unit	103	71.000
II	3200	3200	80	B	3WL12 32-3□□41-....	1	1 unit	103	77.000
II	4000	4000	80	B	3WL12 40-3□□41-....	1	1 unit	103	103.000
Front main circuit connection, single hole									
I	630	630	66	B	3WL11 06-3□□43-....	1	1 unit	103	50.000
I	800	800	66	B	3WL11 08-3□□43-....	1	1 unit	103	50.000
I	1000	1000	66	B	3WL11 10-3□□43-....	1	1 unit	103	50.000
I	1250	1250	66	B	3WL11 12-3□□43-....	1	1 unit	103	50.000
I	1600	1600	66	B	3WL11 16-3□□43-....	1	1 unit	103	50.000
II	800	800	80	B	3WL12 08-3□□43-....	1	1 unit	103	67.000
II	1000	1000	80	B	3WL12 10-3□□43-....	1	1 unit	103	67.000
II	1250	1250	80	B	3WL12 12-3□□43-....	1	1 unit	103	67.000
II	1600	1600	80	B	3WL12 16-3□□43-....	1	1 unit	103	67.000
II	2000	2000	80	B	3WL12 20-3□□43-....	1	1 unit	103	67.000
II	2500	2500	80	B	3WL12 25-3□□43-....	1	1 unit	103	71.000
II	3200	3200	80	B	3WL12 32-3□□43-....	1	1 unit	103	77.000
Front main circuit connection, double hole									
I	630	630	66	B	3WL11 06-3□□44-....	1	1 unit	103	50.000
I	800	800	66	B	3WL11 08-3□□44-....	1	1 unit	103	50.000
I	1000	1000	66	B	3WL11 10-3□□44-....	1	1 unit	103	50.000
I	1250	1250	66	B	3WL11 12-3□□44-....	1	1 unit	103	50.000
I	1600	1600	66	B	3WL11 16-3□□44-....	1	1 unit	103	50.000
II	800	800	80	B	3WL12 08-3□□44-....	1	1 unit	103	67.000
II	1000	1000	80	B	3WL12 10-3□□44-....	1	1 unit	103	67.000
II	1250	1250	80	B	3WL12 12-3□□44-....	1	1 unit	103	67.000
II	1600	1600	80	B	3WL12 16-3□□44-....	1	1 unit	103	67.000
II	2000	2000	80	B	3WL12 20-3□□44-....	1	1 unit	103	67.000
II	2500	2500	80	B	3WL12 25-3□□44-....	1	1 unit	103	71.000
II	3200	3200	80	B	3WL12 32-3□□44-....	1	1 unit	103	77.000
Non-automatic circuit breakers ²⁾					Order No. supplements	Add. price			
Without electronic release					AA	None			
Electronic releases									
Versions without ground-fault protection					BB	x			
ETU15B: Protection functions LI					CB	x			
ETU25B: Protection functions LSI					EB	x			
ETU45B: Protection functions LSIN ³⁾					FB	x			
ETU45B: Protection functions LSIN ³⁾ with 4-line display					NB	x			
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display						x			
Versions with ground-fault protection					DG	x			
ETU27B: Protection functions LSING ⁴⁾					EG	x			
ETU45B: Protection functions LSING ³⁾⁵⁾					FG	x			
ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display					NG	x			
ETU76B: Protection functions LSING ³⁾⁵⁾ with pixel graphics display						x			

Standard Order No. supplements (for further Order No. supplements, see page 15/23)

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

1AA2

None

x = Additional price

For footnotes see page 15/18.

* You can order this quantity or a multiple thereof.

SENTRON 3WL Air Circuit Breakers

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

4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current <i>I</i> _n max.	Rated current ¹⁾ <i>I</i> _n	<i>I</i> _{cu} up to 100 kA at 500 V, high switching capacity H			PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
	A	A	kA	DT	Order No. Order No. supplements, see page 15/23	Basic price per PU			kg
Horizontal main circuit connection									
II	800	800	100	B	3WL12 08-4□□42-....		1	1 unit	103 67.000
II	1000	1000	100	B	3WL12 10-4□□42-....		1	1 unit	103 67.000
II	1250	1250	100	B	3WL12 12-4□□42-....		1	1 unit	103 67.000
II	1600	1600	100	B	3WL12 16-4□□42-....		1	1 unit	103 67.000
II	2000	2000	100	B	3WL12 20-4□□42-....		1	1 unit	103 67.000
II	2500	2500	100	B	3WL12 25-4□□42-....		1	1 unit	103 71.000
II	3200	3200	100	B	3WL12 32-4□□42-....		1	1 unit	103 77.000
III	4000	4000	100	B	3WL13 40-4□□42-....		1	1 unit	103 99.000
III	5000	5000	100	B	3WL13 50-4□□42-....		1	1 unit	103 99.000
Vertical main circuit connection									
II	800	800	100	B	3WL12 08-4□□41-....		1	1 unit	103 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
Front main circuit connection, single hole									
II	800	800	100	B	3WL12 08-4□□43-....		1	1 unit	103 67.000
II	1000	1000	100	B	3WL12 10-4□□43-....		1	1 unit	103 67.000
II	1250	1250	100	B	3WL12 12-4□□43-....		1	1 unit	103 67.000
II	1600	1600	100	B	3WL12 16-4□□43-....		1	1 unit	103 67.000
II	2000	2000	100	B	3WL12 20-4□□43-....		1	1 unit	103 67.000
II	2500	2500	100	B	3WL12 25-4□□43-....		1	1 unit	103 71.000
II	3200	3200	100	B	3WL12 32-4□□43-....		1	1 unit	103 77.000
III	4000	4000	100	B	3WL13 40-4□□43-....		1	1 unit	103 99.000
Front main circuit connection, double hole									
II	800	800	100	B	3WL12 08-4□□44-....		1	1 unit	103 67.000
II	1000	1000	100	B	3WL12 10-4□□44-....		1	1 unit	103 67.000
II	1250	1250	100	B	3WL12 12-4□□44-....		1	1 unit	103 67.000
II	1600	1600	100	B	3WL12 16-4□□44-....		1	1 unit	103 67.000
II	2000	2000	100	B	3WL12 20-4□□44-....		1	1 unit	103 67.000
II	2500	2500	100	B	3WL12 25-4□□44-....		1	1 unit	103 71.000
II	3200	3200	100	B	3WL12 32-4□□44-....		1	1 unit	103 77.000
III	4000	4000	100	B	3WL13 40-4□□44-....		1	1 unit	103 99.000
Non-automatic circuit breakers ²⁾					Order No. supplements	Add. price			
Without electronic release					AA	None			
Electronic releases									
Versions without ground-fault protection									
ETU15B: Protection functions LI ⁶⁾					BB	x			
ETU25B: Protection functions LSI					CB	x			
ETU45B: Protection functions LSIN ³⁾					EB	x			
ETU45B: Protection functions LSIN ³⁾ with 4-line display					FB	x			
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display					NB	x			
Versions with ground-fault protection									
ETU27B: Protection functions LSING ⁴⁾					DG	x			
ETU45B: Protection functions LSING ³⁾⁵⁾					EG	x			
ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display					FG	x			
ETU76B: Protection functions LSING ³⁾⁵⁾ with pixel graphics display					NG	x			

Standard Order No. supplements (for further Order No. supplements, see page 15/23)

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

1AA2

None

x = Additional price

For footnotes see page 15/18.

SENTRON 3WL Air Circuit Breakers

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

4-pole, fixed-mounted versions

Size	Max. rated circuit breaker current <i>I</i> _n max.	Rated current ¹⁾ <i>I</i> _n	<i>I</i> _{cu} up to 130 kA at 500 V, very high switching capacity C		C	Order No. Order No. supplements, see page 15/23	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A		kA	DT							kg
Horizontal main circuit connection											
III	4000	4000	130	B		3WL13 40-5□□42-....		1	1 unit	103	99.000
III	5000	5000	130	B		3WL13 50-5□□42-....		1	1 unit	103	99.000
Vertical main circuit connection											
III	4000	4000	130	B		3WL13 40-5□□41-....		1	1 unit	103	99.000
III	5000	5000	130	B		3WL13 50-5□□41-....		1	1 unit	103	99.000
III	6300	6300	130	B		3WL13 63-5□□41-....		1	1 unit	103	108.000
Non-automatic circuit breakers ²⁾						Order No. supplements	Add. price				
Without electronic release						AA	None				
Electronic releases											
Versions without ground-fault protection											
ETU25B: Protection functions LSI						CB	x				
ETU45B: Protection functions LSIN ³⁾						EB	x				
ETU45B: Protection functions LSIN ³⁾ with 4-line display						FB	x				
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display						NB	x				
Versions with ground-fault protection											
ETU27B: Protection functions LSING ⁴⁾						DG	x				
ETU45B: Protection functions LSING ³⁾⁵⁾						EG	x				
ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display						FG	x				
ETU76B: Protection functions LSING ³⁾⁵⁾ with pixel graphics display						NG	x				
Standard Order No. supplements (for further Order No. supplements, see page 15/23)											
Manual operating mechanism with mechanical closing						1AA2	None				
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO											

x = Additional price

Footnotes for pages 15/15 to 15/18:

- ¹⁾ The rated current is determined by the rated current module. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 15/24.
- 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 15/3.

- 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 15/34. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 15/26.
- ⁴⁾ Current transformers for protection of the N conductor are to be ordered separately, see page 15/34.
- ⁵⁾ ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 15/34.
- ⁶⁾ ETU15B cannot be used with 3WL circuit breakers, size III.

SENTRON 3WL Air Circuit Breakers

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

4-pole, withdrawable versions

Selection and ordering data

Size	Max. rated circuit breaker current <i>I</i> _n max.	Rated current ¹⁾ <i>I</i> _n	<i>I</i> _{cu} up to 55/66 kA at 500 V, ECO switching capacity N		(N)	Order No. Order No. supplements, see page 15/23	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A	kA	DT								kg
Without guide frames (for guide frames, see page 15/30 to 15/33)											
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
With guide frames, horizontal main circuit connection											
I	630	630	55	B	3WL11 06-2□□46-....			1	1 unit	103	84.000
I	800	800	55	B	3WL11 08-2□□46-....			1	1 unit	103	84.000
I	1000	1000	55	B	3WL11 10-2□□46-....			1	1 unit	103	84.000
I	1250	1250	55	B	3WL11 12-2□□46-....			1	1 unit	103	84.000
I	1600	1600	55	B	3WL11 16-2□□46-....			1	1 unit	103	84.000
II	800	800	66	B	3WL12 08-2□□46-....			1	1 unit	103	109.000
II	1000	1000	66	B	3WL12 10-2□□46-....			1	1 unit	103	109.000
II	1250	1250	66	B	3WL12 12-2□□46-....			1	1 unit	103	109.000
II	1600	1600	66	B	3WL12 16-2□□46-....			1	1 unit	103	109.000
II	2000	2000	66	B	3WL12 20-2□□46-....			1	1 unit	103	109.000
II	2500	2500	66	B	3WL12 25-2□□46-....			1	1 unit	103	123.000
II	3200	3200	66	B	3WL12 32-2□□46-....			1	1 unit	103	136.000
With guide frames, vertical main circuit connection											
I	630	630	55	B	3WL11 06-2□□47-....			1	1 unit	103	84.000
I	800	800	55	B	3WL11 08-2□□47-....			1	1 unit	103	84.000
I	1000	1000	55	B	3WL11 10-2□□47-....			1	1 unit	103	84.000
I	1250	1250	55	B	3WL11 12-2□□47-....			1	1 unit	103	84.000
I	1600	1600	55	B	3WL11 16-2□□47-....			1	1 unit	103	84.000
II	800	800	66	B	3WL12 08-2□□47-....			1	1 unit	103	109.000
II	1000	1000	66	B	3WL12 10-2□□47-....			1	1 unit	103	109.000
II	1250	1250	66	B	3WL12 12-2□□47-....			1	1 unit	103	109.000
II	1600	1600	66	B	3WL12 16-2□□47-....			1	1 unit	103	109.000
II	2000	2000	66	B	3WL12 20-2□□47-....			1	1 unit	103	109.000
II	2500	2500	66	B	3WL12 25-2□□47-....			1	1 unit	103	123.000
II	3200	3200	66	B	3WL12 32-2□□47-....			1	1 unit	103	136.000
II	4000	4000	66	B	3WL12 40-2□□47-....			1	1 unit	103	146.000
With guide frames, connecting flanges											
I	630	630	55	B	3WL11 06-2□□48-....			1	1 unit	103	84.000
I	800	800	55	B	3WL11 08-2□□48-....			1	1 unit	103	84.000
I	1000	1000	55	B	3WL11 10-2□□48-....			1	1 unit	103	84.000
I	1250	1250	55	B	3WL11 12-2□□48-....			1	1 unit	103	84.000
I	1600	1600	55	B	3WL11 16-2□□48-....			1	1 unit	103	84.000
II	800	800	66	B	3WL12 08-2□□48-....			1	1 unit	103	109.000
II	1000	1000	66	B	3WL12 10-2□□48-....			1	1 unit	103	109.000
II	1250	1250	66	B	3WL12 12-2□□48-....			1	1 unit	103	109.000
II	1600	1600	66	B	3WL12 16-2□□48-....			1	1 unit	103	109.000
II	2000	2000	66	B	3WL12 20-2□□48-....			1	1 unit	103	109.000
II	2500	2500	66	B	3WL12 25-2□□48-....			1	1 unit	103	123.000
II	3200	3200	66	B	3WL12 32-2□□48-....			1	1 unit	103	136.000
Non-automatic circuit breakers ²⁾						Order No. supplements		Add. price			
Without electronic release						AA		None			
Electronic releases											
Versions without ground-fault protection											
ETU15B: Protection functions LI						BB		x			
ETU25B: Protection functions LSI						CB		x			
ETU45B: Protection functions LSIN ³⁾						EB		x			
ETU45B: Protection functions LSIN ³⁾ with 4-line display						FB		x			
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display						NB		x			
Versions with ground-fault protection											
ETU27B: Protection functions LSING ⁴⁾						DG		x			
ETU45B: Protection functions LSING ^{3/5)}						EG		x			
ETU45B: Protection functions LSING ^{3/5)} with 4-line display						FG		x			
ETU76B: Protection functions LSING ^{3/5)} with pixel graphics display						NG		x			
Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/23)											
Manual operating mechanism with mechanical closing						1AA2		None			
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO											

x = Additional price

For footnotes see page 15/22.

* You can order this quantity or a multiple thereof.

SENTRON 3WL Air Circuit Breakers

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

4-pole, withdrawable versions

Size	Max. rated circuit breaker current I_n max.	Rated current ¹⁾ I_n	I_{cu} up to 66/80 kA at 500 V, standard switching capacity S		S	Order No. Order No. supplements, see page 15/23	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A	kA	DT	kg							
Without guide frames (for guide frames, see page 15/30 to 15/33)											
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	
With guide frames, horizontal main circuit connection											
I	630	630	66	B	3WL11 06-3□□46-....		1	1 unit	103	84.000	
I	800	800	66	B	3WL11 08-3□□46-....		1	1 unit	103	84.000	
I	1000	1000	66	B	3WL11 10-3□□46-....		1	1 unit	103	84.000	
I	1250	1250	66	B	3WL11 12-3□□46-....		1	1 unit	103	84.000	
I	1600	1600	66	B	3WL11 16-3□□46-....		1	1 unit	103	84.000	
II	800	800	80	B	3WL12 08-3□□46-....		1	1 unit	103	109.000	
II	1000	1000	80	B	3WL12 10-3□□46-....		1	1 unit	103	109.000	
II	1250	1250	80	B	3WL12 12-3□□46-....		1	1 unit	103	109.000	
II	1600	1600	80	B	3WL12 16-3□□46-....		1	1 unit	103	109.000	
II	2000	2000	80	B	3WL12 20-3□□46-....		1	1 unit	103	109.000	
II	2500	2500	80	B	3WL12 25-3□□46-....		1	1 unit	103	123.000	
II	3200	3200	80	B	3WL12 32-3□□46-....		1	1 unit	103	136.000	
With guide frames, vertical main circuit connection											
I	630	630	66	B	3WL11 06-3□□47-....		1	1 unit	103	84.000	
I	800	800	66	B	3WL11 08-3□□47-....		1	1 unit	103	84.000	
I	1000	1000	66	B	3WL11 10-3□□47-....		1	1 unit	103	84.000	
I	1250	1250	66	B	3WL11 12-3□□47-....		1	1 unit	103	84.000	
I	1600	1600	66	B	3WL11 16-3□□47-....		1	1 unit	103	84.000	
II	800	800	80	B	3WL12 08-3□□47-....		1	1 unit	103	109.000	
II	1000	1000	80	B	3WL12 10-3□□47-....		1	1 unit	103	109.000	
II	1250	1250	80	B	3WL12 12-3□□47-....		1	1 unit	103	109.000	
II	1600	1600	80	B	3WL12 16-3□□47-....		1	1 unit	103	109.000	
II	2000	2000	80	B	3WL12 20-3□□47-....		1	1 unit	103	109.000	
II	2500	2500	80	B	3WL12 25-3□□47-....		1	1 unit	103	123.000	
II	3200	3200	80	B	3WL12 32-3□□47-....		1	1 unit	103	136.000	
II	4000	4000	80	B	3WL12 40-3□□47-....		1	1 unit	103	146.000	
With guide frames, connecting flanges											
I	630	630	66	B	3WL11 06-3□□48-....		1	1 unit	103	84.000	
I	800	800	66	B	3WL11 08-3□□48-....		1	1 unit	103	84.000	
I	1000	1000	66	B	3WL11 10-3□□48-....		1	1 unit	103	84.000	
I	1250	1250	66	B	3WL11 12-3□□48-....		1	1 unit	103	84.000	
I	1600	1600	66	B	3WL11 16-3□□48-....		1	1 unit	103	84.000	
II	800	800	80	B	3WL12 08-3□□48-....		1	1 unit	103	109.000	
II	1000	1000	80	B	3WL12 10-3□□48-....		1	1 unit	103	109.000	
II	1250	1250	80	B	3WL12 12-3□□48-....		1	1 unit	103	109.000	
II	1600	1600	80	B	3WL12 16-3□□48-....		1	1 unit	103	109.000	
II	2000	2000	80	B	3WL12 20-3□□48-....		1	1 unit	103	109.000	
II	2500	2500	80	B	3WL12 25-3□□48-....		1	1 unit	103	123.000	
II	3200	3200	80	B	3WL12 32-3□□48-....		1	1 unit	103	136.000	

Non-automatic circuit breakers⁽²⁾

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⁽³⁾
 ETU45B: Protection functions LSIN⁽³⁾ with 4-line display
 ETU76B: Protection functions LSIN⁽³⁾ with pixel graphics display

Versions with ground-fault protection

ETU27B: Protection functions LSING⁽⁴⁾
 ETU45B: Protection functions LSING⁽³⁾⁽⁵⁾
 ETU45B: Protection functions LSING⁽³⁾⁽⁵⁾ with 4-line display
 ETU76B: Protection functions LSING⁽³⁾⁽⁵⁾ with pixel graphics display

BB	x
CB	x
EB	x
FB	x
NB	x
DG	x
EG	x
FG	x
NG	x

Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/23)

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

1AA2

None

x = Additional price

For footnotes see page 15/22.

SETRON 3WL Air Circuit Breakers

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

4-pole, withdrawable versions

Size	Max. rated circuit breaker current <i>I</i> _n max.	Rated current ¹⁾ <i>I</i> _n	<i>I</i> _{cu} up to 100 kA at 500 V, high switching capacity H				PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A	kA	DT	Order No. Order No. supplements, see page 15/23	Basic price per PU				kg	
Without guide frames (for guide frames, see page 15/30 to 15/33)										
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
With guide frames, horizontal main circuit connection										
II	800	800	100	B	3WL12 08-4□□46-....		1	1 unit	103	109.000
II	1000	1000	100	B	3WL12 10-4□□46-....		1	1 unit	103	109.000
II	1250	1250	100	B	3WL12 12-4□□46-....		1	1 unit	103	109.000
II	1600	1600	100	B	3WL12 16-4□□46-....		1	1 unit	103	109.000
II	2000	2000	100	B	3WL12 20-4□□46-....		1	1 unit	103	109.000
II	2500	2500	100	B	3WL12 25-4□□46-....		1	1 unit	103	123.000
II	3200	3200	100	B	3WL12 32-4□□46-....		1	1 unit	103	136.000
III	4000	4000	100	B	3WL13 40-4□□46-....		1	1 unit	103	190.000
III	5000	5000	100	B	3WL13 50-4□□46-....		1	1 unit	103	190.000
With guide frames, vertical main circuit connection										
II	800	800	100	B	3WL12 08-4□□47-....		1	1 unit	103	109.000
II	1000	1000	100	B	3WL12 10-4□□47-....		1	1 unit	103	109.000
II	1250	1250	100	B	3WL12 12-4□□47-....		1	1 unit	103	109.000
II	1600	1600	100	B	3WL12 16-4□□47-....		1	1 unit	103	109.000
II	2000	2000	100	B	3WL12 20-4□□47-....		1	1 unit	103	109.000
II	2500	2500	100	B	3WL12 25-4□□47-....		1	1 unit	103	123.000
II	3200	3200	100	B	3WL12 32-4□□47-....		1	1 unit	103	136.000
II	4000	4000	100	B	3WL12 40-4□□47-....		1	1 unit	103	146.000
III	4000	4000	100	B	3WL13 40-4□□47-....		1	1 unit	103	190.000
III	5000	5000	100	B	3WL13 50-4□□47-....		1	1 unit	103	190.000
III	6300	6300	100	B	3WL13 63-4□□47-....		1	1 unit	103	227.000
With guide frames, connecting flanges										
II	800	800	100	B	3WL12 08-4□□48-....		1	1 unit	103	109.000
II	1000	1000	100	B	3WL12 10-4□□48-....		1	1 unit	103	109.000
II	1250	1250	100	B	3WL12 12-4□□48-....		1	1 unit	103	109.000
II	1600	1600	100	B	3WL12 16-4□□48-....		1	1 unit	103	109.000
II	2000	2000	100	B	3WL12 20-4□□48-....		1	1 unit	103	109.000
II	2500	2500	100	B	3WL12 25-4□□48-....		1	1 unit	103	123.000
II	3200	3200	100	B	3WL12 32-4□□48-....		1	1 unit	103	136.000
III	4000	4000	100	B	3WL13 40-4□□48-....		1	1 unit	103	190.000
Non-automatic circuit breakers ²⁾					Order No. supplements	Add. price				
Without electronic release					AA	None				
Electronic releases										
Versions without ground-fault protection					BB	x				
ETU15B: Protection functions LI ⁶⁾					CB	x				
ETU25B: Protection functions LSI					EB	x				
ETU45B: Protection functions LSIN ³⁾					FB	x				
ETU45B: Protection functions LSIN ³⁾ with 4-line display					NB	x				
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display										
Versions with ground-fault protection					DG	x				
ETU27B: Protection functions LSING ⁴⁾					EG	x				
ETU45B: Protection functions LSING ³⁾⁵⁾					FG	x				
ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display					NG	x				
ETU76B: Protection functions LSING ³⁾⁵⁾ with pixel graphics display										
Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/23)										
Manual operating mechanism with mechanical closing					1AA2	None				
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO										

x = Additional price

For footnotes see page 15/22.

SENTRON 3WL Air Circuit Breakers

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

4-pole, withdrawable versions

Size	Max. rated circuit breaker current <i>I</i> _n max.	Rated current ¹⁾ <i>I</i> _n	<i>I</i> _{cu} up to 130 kA at 500 V, very high switching capacity C		C	Order No. Order No. supplements, see page 15/23	Basic price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
A	A		kA	DT							kg
Without guide frames (for guide frames, see page 15/30 to 15/33)											
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
With guide frames, horizontal main circuit connection											
III	4000	4000	130	B	3WL13 40-5□□46-....			1	1 unit	103	190.000
III	5000	5000	130	B	3WL13 50-5□□46-....			1	1 unit	103	190.000
With guide frames, vertical main circuit connection											
III	4000	4000	130	B	3WL13 40-5□□47-....			1	1 unit	103	190.000
III	5000	5000	130	B	3WL13 50-5□□47-....			1	1 unit	103	190.000
III	6300	6300	130	B	3WL13 63-5□□47-....			1	1 unit	103	227.000
Non-automatic circuit breakers ²⁾ Without electronic release						Order No. supplements	Add. price				
						AA	None				
Electronic releases											
Versions without ground-fault protection						CB	x				
ETU25B: Protection functions LSI						EB	x				
ETU45B: Protection functions LSIN ³⁾						FB	x				
ETU45B: Protection functions LSIN ³⁾ with 4-line display						NB	x				
ETU76B: Protection functions LSIN ³⁾ with pixel graphics display											
Versions with ground-fault protection						DG	x				
ETU27B: Protection functions LSING ⁴⁾						EG	x				
ETU45B: Protection functions LSING ³⁾⁵⁾						FG	x				
ETU45B: Protection functions LSING ³⁾⁵⁾ with 4-line display						NG	x				
ETU76B: Protection functions LSING ³⁾⁵⁾ with pixel graphics display											
Standard Order No. supplements (for further Order No. supplements for circuit breakers and guide frames, see page 15/23)											
Manual operating mechanism with mechanical closing						1AA2	None				
Without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO											

x = Additional price

Footnotes for pages 15/19 to 15/22:

- 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 15/24.
- 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 15/3.
- 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 15/34. The internal current transformers for N conductors can be ordered by adding the supplement "-Z" and the order code "F23", see page 15/26.

- ⁴⁾ Current transformers for protection of the N conductor are to be ordered separately, see page 15/34.
- ⁵⁾ ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 15/34.
- ⁶⁾ ETU15B cannot be used with 3WL circuit breakers, size III.

SENTRON 3WL Air Circuit Breakers

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

Options

Selection and ordering data

				Order No. supplement	Add. price
				3WL1...-.....	
Operating mechanisms					
Manual operating mechanism with mechanical closing				1	None
Manual operating mechanism with mechanical and electrical closing, closing solenoid suitable for uninterrupted duty, 100 % duty ratio					
Closing solenoid					
AC 50/60 Hz V	V DC			2	x
110	110 ... 125			3	x
230	220				
Manual/motorized operating mechanism with mechanical and electrical closing, closing solenoid suitable for uninterrupted duty, 100 % duty ratio					
Motor		Closing solenoid			
AC 50/60 Hz V	V DC	AC 50/60 Hz V	V DC	4	x
208 ... 240	220 ... 250	230	220	5	x
110 ... 127	110 ... 125	110	110 ... 125	6	x
--	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 15/25.					
1st auxiliary release					
Without 1st auxiliary release				A	None
Shunt release suitable for uninterrupted duty, 100 % duty ratio					
Operating range $0.85 \dots 1,1 \times U_s$					
U_s AC 50/60 Hz V	U_s V DC			B	x
--	24			C	x
--	30			D	x
--	48			E	x
--	60			F	x
110	110 ... 125			G	x
230	220				
2nd auxiliary release					
Without 2nd auxiliary release				A	None
Shunt release suitable for uninterrupted duty, 100 % duty ratio					
Operating range $0.85 \dots 1,1 \times U_s$					
U_s AC 50/60 Hz V	U_s V DC			B	x
--	24			C	x
--	30			D	x
--	48			E	x
--	60			F	x
110	110 ... 125			G	x
230	220				
Undervoltage releases, instantaneous (≤ 80 ms), short-delay (≤ 200 ms)					
Operating range $0.85 \dots 1,1 \times U_s$					
U_s AC 50/60 Hz V	U_s V DC			J	x
--	24			K	x
--	30			L	x
--	48			M	x
--	60			N	x
110 ... 127	110 ... 125			P	x
208 ... 240	220 ... 250				
380 ... 415	--				
Undervoltage releases, can be delayed between 0.2 s to 3.2 s					
Operating range $0.85 \dots 1,1 \times U_s$					
U_s AC 50/60 Hz V	U_s V DC			Q	x
--	48			R	x
110 ... 127	110 ... 125			S	x
208 ... 240	220 ... 250			T	x
380 ... 415	--				
Auxiliary switches					
1st auxiliary switch block				2	None
2 NO + 2 NC					
1st + 2nd auxiliary switch block				4	x
4 NO + 4 NC				7	x
6 NO + 2 NC				8	x
5 NO + 3 NC					

x = Additional price

SENTRON 3WL Air Circuit Breakers

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

Options

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

Order No. with "-Z"

Add. price

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

and additional order code(s)

□ □ □ +

Code for
"Further versions"-Z

Operating manual

Printed version

French/Italian

A 1 1

x

Spanish/Portuguese

A 1 2

x

Rated voltage 1000 V AC/DC

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 II¹⁾

Up to 2000 A

A 0 5

x

x

2500 A

A 0 5

x

x

3200 A

A 0 5

x

x

Size III¹⁾²⁾

4000 A

A 0 5

x

x

5000 A

A 0 5

x

x

6300 A

A 0 5

x

x

Rated voltage 1150 V AC

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

A 1 5

x

x

2500 A

A 1 5

x

x

3200 A

A 1 5

x

x

4000 A

A 1 5

x

x

For size III select a circuit breaker with very high switching capacity C, which can be used as standard up to 1150 V AC.

Tinned version of the customer's connections on the guide frame³⁾⁴⁾

Only for circuit breakers in withdrawable version with horizontal connection or flange connection. The normal delivery time increases to 15 work days.

Size I

A 0 8

x

x

Size II

A 0 8

x

x

Size III

A 0 8

x

x

Special packaging (moisture protection)

Special packaging for extended technical requirements

Cardboard packaging with water-repellent coating on corrugated cardboard (moisture protection)

A 6 1

Add. price

x

Rated current modules/Rating plugs

Rated current
 I_n
A

Add. price

Only one module is possible per circuit breaker (not in conjunction with electronic release ETU15B).

As standard the electronic 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 0 2

None

315

B 0 3

None

400

B 0 4

None

500

B 0 5

None

630

B 0 6

None

800

B 0 8

None

1000

B 1 0

None

For size I, II, III

1250

B 1 2

None

1600

B 1 6

None

For size II, III

2000

B 2 0

None

2500

B 2 5

None

3200

B 3 2

None

4000

B 4 0

None

For size III

5000

B 5 0

None

6300

B 6 3

None

x = 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.

SETRON 3WL Air Circuit Breakers

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

Options

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

Order No. with "-Z"

Add. price

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
3WL - - - - - **-Z**
 and additional order code(s)
☐ ☐ ☐ +

Code for
 "Further versions"-Z

Indication/operator control elements, door sealing frames				
5-digit mechanical operating cycles counter¹⁾		C 0 1		x
Electrical ON button in the operator panel²⁾ Possible only for circuit breakers with closing solenoid.	Button with sealing cap	C 1 1		x
	Key operation with lock CES	C 1 2		x
Storage status signaling switch²⁾ (S21)	1 NO	C 2 0		x
Ready-to-close signaling switch (S20)	1 NO	C 2 2		x
Signaling switches²⁾	For the first auxiliary release (S22)	C 2 6		x
	For the second auxiliary release (S23)	C 2 7		x
Motor shutdown switch in the operator panel³⁾		S 2 5		x
EMERGENCY-STOP pushbuttons	Mushroom pushbutton instead of the mechanical OFF pushbutton	S 2 4		x
Door sealing frames		T 4 0		x
Reclosing lockout and remote resets				
Automatic reset of the reclosing lockout		K 0 1		x
Tripped signal switch²⁾⁴⁾	1 CO	K 0 7		x
Remote reset solenoid for displays and reset buttons including automatic reset of the reclosing lockout				
AC 50/60 Hz V	V DC			
--	24	K 1 0		x
--	48	K 1 1		x
120	125	K 1 2		x
208 ... 250	208 ... 250	K 1 3		x
Motorized operating mechanisms and closing/opening solenoids				
Motorized operating mechanisms Only possible if the 13th digit of the Order No. = "1"				
Motor				
AC 50/60 Hz V	V DC			
--	24 ... 30	M 0 1		x
--	48 ... 60	M 0 3		x
110 ... 127	110 ... 125	M 0 5		x
208 ... 240	220 ... 250	M 0 6		x
Closing solenoid suitable for uninterrupted duty, 100 % duty ratio – Only possible if the 13th digit of the Order No. = "1"				
Activation solenoid				
AC 50/60 Hz V	V DC			
--	24	M 2 1		x
--	30	M 2 2		x
--	48	M 2 3		x
--	60	M 2 4		x
110	110	M 2 5		x
230	220	M 2 6		x
Closing solenoids⁵⁾ – unsuitable for uninterrupted duty, 5 % duty ratio – Only possible if the 13th digit of the Order No. = "1"				
Activation solenoid				
AC 50/60 Hz V	V DC			
--	24	M 3 1		x
--	48	M 3 3		x
110 ... 127	110 ... 125	M 3 5		x
208 ... 240	220 ... 250	M 3 6		x
Opening solenoids (shunt release)⁶⁾ – Not suitable for uninterrupted duty, 5% duty ratio				
Activation solenoid				
AC 50/60 Hz V	V DC			
--	24	M 4 1		x
--	48	M 4 3		x
110 ... 127	110 ... 125	M 4 5		x
208 ... 240	220 ... 250	M 4 6		x

x = Additional price

¹⁾ Only possible with motorized operating mechanism.

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

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

⁴⁾ 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".

SETRON 3WL Air Circuit Breakers

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

Options

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

Order No. 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

		Order code for fixed- mounted version	Add. price for fixed- mounted ver- sion		Order code for withdraw- able version	Add. price for withdraw- able version
Locking devices		□ □ □			□ □ □	
Locking devices against unauthorized closing, in the operator panel						
The disconnecter unit fulfills the requirements for main circuit breakers according to EN 60204-1	Made by CES	S 0 1	x		S 0 1	x
	Made by IKON	S 0 3	x		S 0 3	x
	Assembly kit FORTRESS or Castell ¹⁾	S 0 5	x		S 0 5	x
	Assembly kit for padlocks ²⁾	S 0 7	x		S 0 7	x
	Made by Ronis	S 0 8	x		S 0 8	x
	Made by Profalux	S 0 9	x		S 0 9	x
EMERGENCY-STOP pushbuttons						
	Mushroom pushbutton instead of the mechanical OFF pushbutton	S 2 4	x		S 2 4	x
Locking devices against unauthorized closing, for withdrawable circuit breakers						
The disconnecter unit fulfills the requirements for main circuit breakers according 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	x
	Made by Ronis	--			R 6 8	x
	Made by Profalux	--			R 6 0	x
Locking devices for operating mechanism handles with padlock²⁾		S 3 3	x		S 3 3	x
Locking devices to prevent movement of the withdrawable circuit breakers						
Made by CES		--			S 7 1	x
Made by Profalux		--			S 7 5	x
Made by Ronis		--			S 7 6	x
Safety lock for mounting on the circuit breaker						
Locking mechanisms						
Locking mechanisms to prevent movement of the withdrawable circuit breaker in disconnected positions,						
consisting of Bowden wire and lock in the cabinet door	Made by CES	--			R 8 1	x
	Made by Profalux	--			R 8 5	x
	Made by Ronis	--			R 8 6	x
Not possible in combination with order code "R30" or "R50".						
Locking devices						
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)	S 3 0	x		R 3 0	x
	To prevent movement with the cabinet door open	--			R 5 0	x
Connection methods for auxiliary conductors						
Connections for screwless terminals (tension spring)		N 6 1	x		P 6 1	x

x = Additional price

¹⁾ Locks must be ordered from the manufacturer.

²⁾ Padlock not included in the scope of supply.

SENTRON 3WL Air Circuit Breakers

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

Options

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

Order No. 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 frames¹⁾

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

For fixed-mounted circuit breakers

To select this connection method the 12th digit of the Order No. for the circuit breaker must be a "2"

Connection methods for main connections

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

x = Additional price

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

SETRON 3WL Air Circuit Breakers

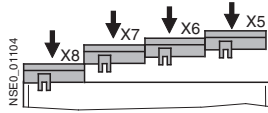
3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC)

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

For ordering the auxiliary supply connectors see under "Accessories and Spare Parts, Guide Frames for AC Circuit Breakers/Non-Automatic Air Circuit Breakers", pages 15/30 to 15/33 and under "Accessories and Spare Parts, Auxiliary Conductor Connections, Auxiliary Supply Connectors", page 15/39.