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### Ch. 12 3KC ATC5300

Transfer control devices

---

NEU

Direct reference to the products in the Industry Mall from the selection and ordering data tables:

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<td>3KD2832-0NE10-0</td>
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</table>

For further technical product information:

- Configuration Manual
  - Air Circuit Breakers
    - Article No.: 3ZW1012-3WL11-0AC1
  - Service & Support Portal:
    - www.siemens.com/lowvoltage/product-support

→ Product List:
  - Technical specifications

→ Entry List:
  - Certificates / Characteristics
    - Download / FAQ / Manuals / Updates
## Introduction

### Overview

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<tr>
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<td>1/53</td>
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## Transfer control devices

**Transfer control device 3KC ATC5300**

This transfer control device, equipped with two motor-driven circuit breakers, serves as a transfer system that automatically or manually switches between two power supply systems in low-voltage power distribution applications.

### Applications/Individual components
- Manual tester Release 2 for Electronic Trip Units, function testers
- Ready-to-close signaling switches, signaling switches, tripped signaling switches, operating cycles counters, stored energy status signaling switches, position signaling switches for guide frames, electric ON buttons, motor shutdown switches, EMERGENCY-STOP buttons

### Standards
- IEC 60947-6-1
- DIN VDE 0660-114
- UL 508
- CSA 22.2 No. 14

### Used in
- Non-residential buildings
- Residential buildings
- Industry

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<td>Indicators, control elements</td>
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<td>✓ -- ✓</td>
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<td>Auxiliary conductor connections</td>
<td>1/57</td>
<td>Male connectors for circuit breakers, extension for 1000 V male connector versions, male connectors and extension for 1000 V, auxiliary supply connectors for circuit breakers or guide frames, coding kits, sliding contacts for guide frames, blanking blocks for circuit breakers</td>
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<td>✓ -- ✓</td>
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<td>As for circuit breakers</td>
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<td>Auxiliary contacts</td>
<td>1/58</td>
<td>Auxiliary switch blocks</td>
<td>As for circuit breakers</td>
<td>✓ -- ✓</td>
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<td>As for circuit breakers</td>
<td>✓ -- ✓</td>
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<td>1/59</td>
<td>Arc chutes, arc chute covers</td>
<td>As for circuit breakers</td>
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<tr>
<td>Coding for withdrawable version</td>
<td>1/59</td>
<td>By customer, for 36 coding variants</td>
<td>As for circuit breakers</td>
<td>✓ -- ✓</td>
</tr>
<tr>
<td>Grounding connection</td>
<td>1/60</td>
<td>Grounding connection between the guide frame and the withdrawable circuit breaker, contacting modules for withdrawable circuit breakers</td>
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<td>✓ -- ✓</td>
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<td>Support brackets</td>
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<td>For mounting fixed-mounted circuit breakers on vertical plane</td>
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<td>✓ -- ✓</td>
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<td>As for circuit breakers</td>
<td>✓ -- ✓</td>
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</table>
Air Circuit Breakers

Introduction

Air circuit breakers

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<tr>
<td>Size  I, II, III</td>
<td>630, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6300</td>
<td>1000, 2000, 4000</td>
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<tr>
<td>Rated current I_n A</td>
<td>V AC</td>
<td>V DC</td>
</tr>
<tr>
<td>Size I</td>
<td>55/66/85</td>
<td>---</td>
</tr>
<tr>
<td>Size II</td>
<td>66/80/100</td>
<td>130</td>
</tr>
<tr>
<td>Size III</td>
<td>100/150 (3-pole), 130 (4-pole)</td>
<td>30/25/20 (at 300/600/1000 V DC)</td>
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Endurance Operating cycles

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<th>Size</th>
<th>3-pole</th>
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<tr>
<td>Size I</td>
<td>Up to 20000</td>
<td>15000</td>
</tr>
<tr>
<td>Size II</td>
<td>10000</td>
<td>10000</td>
</tr>
<tr>
<td>Size III</td>
<td>15000</td>
<td></td>
</tr>
</tbody>
</table>

Mounting position

Degree of protection

| With cover | IP55 |
| Without cover | IP41 |

Dimensions

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<th>3/4-pole</th>
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<td>Fixed-mounted W mm</td>
<td>320/410</td>
</tr>
<tr>
<td>Fixed-mounted H mm</td>
<td>434</td>
</tr>
<tr>
<td>Fixed-mounted D mm</td>
<td>291</td>
</tr>
<tr>
<td>Withdrawable H mm</td>
<td>465.5</td>
</tr>
<tr>
<td>Withdrawable D mm</td>
<td>471</td>
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Electronic Trip Units for 3WL circuit breakers

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<th>ETU25B</th>
<th>ETU27B</th>
<th>ETU45B</th>
<th>ETU76B</th>
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<td>Overload protection</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Short-time delayed short-circuit protection</td>
<td>--</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Instantaneous short-circuit protection</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Neutral conductor protection</td>
<td>--</td>
<td>--</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Ground-fault protection</td>
<td>--</td>
<td>--</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<td>Zone Selective Interlocking</td>
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<td>LCD, 4-line</td>
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<td>--</td>
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<tr>
<td>LCD, graphic</td>
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<td>--</td>
<td>--</td>
<td>--</td>
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</table>

Cubicle88US

✓ Standard
-- Not available
✓ Optional

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

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

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# Air Circuit Breakers

## Introduction

### Breaking capacity

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<th>III</th>
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<td>3WL12</td>
<td>3WL13</td>
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<td>N</td>
<td>S</td>
<td>H</td>
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<th>Short-circuit breaking capacity</th>
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<tr>
<td>Rated operational voltage $U_e$ up to 415 V AC</td>
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</tr>
<tr>
<td>$I_{cu}$ kA</td>
<td>55</td>
</tr>
<tr>
<td>$I_{cs}$ kA</td>
<td>55</td>
</tr>
<tr>
<td>$I_{cm}$ kA</td>
<td>121</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rated operational voltage $U_e$ up to 500 V AC</th>
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</tr>
</thead>
<tbody>
<tr>
<td>$I_{cu}$ kA</td>
<td>55</td>
</tr>
<tr>
<td>$I_{cs}$ kA</td>
<td>55</td>
</tr>
<tr>
<td>$I_{cm}$ kA</td>
<td>121</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rated operational voltage $U_e$ up to 690 V AC</th>
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</tr>
</thead>
<tbody>
<tr>
<td>$I_{cu}$ kA</td>
<td>42</td>
</tr>
<tr>
<td>$I_{cs}$ kA</td>
<td>42</td>
</tr>
<tr>
<td>$I_{cm}$ kA</td>
<td>88</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Rated operational voltage $U_e$ up to 1000 V/1150 V AC</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$I_{cu}$ kA</td>
<td>--</td>
</tr>
<tr>
<td>$I_{cs}$ kA</td>
<td>--</td>
</tr>
<tr>
<td>$I_{cm}$ kA</td>
<td>--</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rated short-time withstand current $I_{cw}$</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>0.5 s kA</td>
<td>55</td>
</tr>
<tr>
<td>1 s kA</td>
<td>42</td>
</tr>
<tr>
<td>2 s kA</td>
<td>29.5</td>
</tr>
<tr>
<td>3 s kA</td>
<td>24</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Rated conditional short-circuit current $I_{cc}$ of the non-automatic air circuit breakers</th>
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<td>Up to 500 V AC</td>
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<tr>
<td>$I_{cc}$ kA</td>
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</tr>
<tr>
<td>Up to 690 V AC</td>
<td></td>
</tr>
<tr>
<td>$I_{cc}$ kA</td>
<td>42</td>
</tr>
<tr>
<td>Up to 1000 V/1150 V AC</td>
<td></td>
</tr>
<tr>
<td>$I_{cc}$ kA</td>
<td>--</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>I</th>
<th>DC</th>
<th>II</th>
<th>DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>3WL11</td>
<td>3WL12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breaking capacity</td>
<td>DC</td>
<td>DC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Short-circuit breaking capacity

| Up to 220 V DC | $I_{cc}$ kA | 20 | 35 |
| Up to 300 V DC | $I_{cc}$ kA | 20 | 30 |
| Up to 600 V DC | $I_{cc}$ kA | 20 | 25 |
| Up to 1000 V DC | $I_{cc}$ kA | 20 | 20 |

### Rated short-time withstand current $I_{cw}$

| 0.5 s kA | -- | -- | -- | 35 |/30(5)|/25(7)|/20(9) |
| 1 s kA | -- | -- | -- | -- | -- | -- |
| 2 s kA | -- | -- | -- | -- | -- | -- |
| 3 s kA | -- | -- | -- | -- | -- | -- |

| Circuit breakers with ECO breaking capacity N |
| Circuit breakers with standard breaking capacity S |
| Circuit breakers with high breaking capacity H |
| Circuit breakers with very high breaking capacity C |
| Non-automatic air circuit breakers with DC breaking capacity |

### Abbreviations* (functions)

| Long Time Delay | Overload protection |
| Short Time Delay | Short-circuit protection (short-time delayed) |
| Instantaneous | Short-circuit protection (instantaneous) |
| Neutral Protection | Neutral conductor protection |
| Ground Fault | Ground-fault protection |

### Note

For further technical specifications, see the configuration manual “Air Circuit Breakers”. Free download from: [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals)

1) Size II with $I_{n_{max}} \leq 2500$ A.
2) Size II with $I_{n_{max}} = 3200$ A and $I_{n_{max}} = 4000$ A.
3) At a rated voltage of ≥ 690 V, the $I_{cu}$ value of the circuit breaker cannot be greater than the $I_{cu}$ or $I_{cs}$ value at 690 V.
4) Rated operational voltage $U_e = 1150$ V.
5) At $U_e = 220$ V DC.
6) At $U_e = 300$ V DC.
7) At $U_e = 600$ V DC.
8) At $U_e = 1000$ V DC.
9) Values also apply to 690 V + 20 % version with Z-option “A16.”
Air Circuit Breakers

Introduction

3WL air circuit breakers:
3WL air circuit breakers are extremely flexible in use and offer consistent communication capability. With the 3WL circuit breakers, just three sizes cover a performance range of 630 A to 6300 A. All models are characterized by the same design, the same operation and the same comprehensive accessories.

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

1. 3VA molded case circuit breakers
2. 3VL molded case circuit breakers
3. Electronic trip units ETU / LCD ETU
4. COM800 breaker data server
5. COM100 breaker data server
6. COM20 Release 2 PROFIBUS module including Zone Selective Interlocking
7. BDA Plus with Ethernet interface
8. 3WL air circuit breaker
9. COM15 PROFIBUS module
10. Breaker status sensor (BSS)
11. Electronic trip unit (ETU)
12. Measurement function Plus
13. Zone Selective Interlocking module
14. Digital output module with relay contacts
15. Digital output module with relay contacts, configurable
16. Analog output modules
17. Digital input modules
18. Configuration software powerconfig V2.3 and higher
19. PLC, e.g. SIMATIC S7
20. E.g. SIMATIC powerrate
21. 7KM PAC measuring devices
**Air Circuit Breakers**

**Introduction**

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

**Communication:**
- For air circuit breakers with optional communication function (ETU45B or ETU76B Electronic Trip Unit), see pages 1/10 to 1/37
- For accessories, see pages 1/60 and 1/61
- For more information, see also chapters “Measuring Devices and Power Monitoring” and “Software”

---

**Diagram:**

1. 3VA Molded Case Circuit Breakers
2. 3WL air circuit breaker
3. COM16 MODBUS module
4. 3VL molded case circuit breaker
5. COM21 MODBUS module
6. COM800 breaker data server
7. COM100 breaker data server
8. 7KM PAC4200 measuring device
9. 7KM PAC3100 measuring device
10. 7KM PAC3200 measuring device
11. powerconf configuration software from V2.3
Benefits

Low space requirements

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

Modular design

Components such as auxiliary releases, motorized operating mechanisms, Electronic Trip Units, current sensors, auxiliary circuit signaling switches, automatic reset devices, interlocks and engagement operating mechanisms can all be exchanged or retrofitted at a later stage, thus allowing the circuit breaker to be adapted to new, changing requirements.

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

Retrofittable modules for Electronic Trip Units

Modularity is one of the main features of the new 3WL circuit breakers. Special LCDs, ground-fault modules, rating plugs and communication modules for the Electronic Trip Units are available for fast and easy retrofitting and adaptation to changing requirements.

Communication/measuring functions

The use of modern communication-capable circuit breakers opens up completely new possibilities in terms of start-up, parameterization, diagnostics, maintenance and operation. This allows many different ways of reducing costs and improving 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

Conductor cross-sections

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<thead>
<tr>
<th>Size</th>
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</table>

Introduction

Air Circuit Breakers

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

Application

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

When connected to an electronic I&C system, the air circuit breakers offer a wide range of options for monitoring network events.

Air circuit breakers belong to the SENTRON product family of protection, switching, measuring and monitoring devices and can be used in applications between 16 A and 6300 A.

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

Standards

3WL circuit breakers comply with:

- IEC 60947-2
- IEC 60947-2 Appendix F / CISP11/22 Class B
- 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

<table>
<thead>
<tr>
<th>Size</th>
<th>II</th>
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<td>• Up to 70 °C (Cu painted black) 2)</td>
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<td>6 x 120 x 10</td>
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1) ETU76B with graphics display can be used up to max. 55 °C
2) At breaking capacity H: 1600 A up to 70 °C
3) With rear vertical connections
4) Size II, 3-pole, in fixed-mounted version
5) Minimum main conductor cross-sections for 4-pole withdrawable circuit breakers: 4 × 120 mm × 10 mm
### Air Circuit Breakers
3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

#### 3-pole, fixed-mounted versions

### Selection and ordering data

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<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{N, \text{max}}$</th>
<th>Rated current $I_n$</th>
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<th>DT</th>
<th>$I_{cu}$ 55/66 kA at 500 V, ECO breaking capacity N</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*/P, unit</th>
<th>PG</th>
<th>Weight per PU approx.</th>
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#### Electronic Trip Units

- **Versions without ground-fault protection**
  - ETU15B: Protection functions L$^6$
  - ETU25B: Protection functions LSI
  - ETU45B: Protection functions LSIN$^7$
  - ETU45B: Protection functions LSIN with 4-line display
  - ETU76B: Protection functions LSIN with graphics display

- **Versions with ground-fault protection**
  - ETU27B: Protection functions LSING$^8$
  - ETU45B: Protection functions LSING with 4-line display
  - ETU76B: Protection functions LSING with graphics display

#### Operating mechanism, auxiliary release, auxiliary switch

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

For further Article No. supplements, see page 1/38

---

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

2) For permissible rated short-time current $I_{cu}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

---

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52.

4) Current transformers for protection of the N conductor are to be ordered separately, see page 1/52.

5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

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

---

*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), IEC

**3-pole, fixed-mounted versions**

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<th>Rated current $I_n$ A</th>
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<th>$I_{cu}$ 55/66 kA at 500 V, ECO breaking capacity N</th>
<th>N</th>
<th>PU (UNIT, SET, M)</th>
<th>Basic price per PU</th>
<th>PS'</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
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<td>A</td>
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**Front main circuit connection, single hole**

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<th>$I_{cu}$ 55/66 kA at 500 V, ECO breaking capacity N</th>
<th>N</th>
<th>PU (UNIT, SET, M)</th>
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<th>PG</th>
<th>Weight per PU approx. kg</th>
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<td>55</td>
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**Front main circuit connection, double hole**

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<th>Breaking capacity $I_{cu} = I_{cs}$ kA</th>
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<th>$I_{cu}$ 55/66 kA at 500 V, ECO breaking capacity N</th>
<th>N</th>
<th>PU (UNIT, SET, M)</th>
<th>Basic price per PU</th>
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<th>PG</th>
<th>Weight per PU approx. kg</th>
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<td>55</td>
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### Options

**Non-automatic air circuit breakers**

- Without Electronic Trip Units: AA
- Additional price: None

#### Electronic Trip Units

- **Versions without ground-fault protection**
  - ETU15B: Protection functions LI
  - ETU25B: Protection functions LSI
  - ETU45B: Protection functions LSIN
  - ETU45B: Protection functions LSIN with 4-line display
  - ETU76B: Protection functions LSIN with graphics display

- **Versions with ground-fault protection**
  - ETU27B: Protection functions LSING
  - ETU45B: Protection functions LSING with 4-line display
  - ETU76B: Protection functions LSING with graphics display

#### Operating mechanism, auxiliary release, auxiliary switch

- Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO: 1AA2
- Additional price: None

---

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

2) For permissible rated short-time current $I_{ts}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52.

4) Current transformers for protection of the N conductor are to be ordered separately, see page 1/52.

5) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

6) ETU15B cannot be used with 3WL circuit breakers, size III.
# Air Circuit Breakers

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

### 3-pole, fixed-mounted versions

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n \text{max.}}$</th>
<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
<th>DT</th>
<th>Pu, 66/80 kA at 500 V, standard breaking capacity $S$</th>
<th>PU (UNIT, SET, M)</th>
<th>PS$^1$</th>
<th>PG</th>
<th>Weight per PU approx.</th>
</tr>
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<tbody>
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### Vertical main circuit connection

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<th>Size</th>
<th>Max. rated circuit breaker current $I_{n \text{max.}}$</th>
<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
<th>DT</th>
<th>Pu, 66/80 kA at 500 V, standard breaking capacity $S$</th>
<th>PU (UNIT, SET, M)</th>
<th>PS$^1$</th>
<th>PG</th>
<th>Weight per PU approx.</th>
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### Options

#### Non-automatic air circuit breakers

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<th>Without Electronic Trip Units</th>
<th>AA</th>
<th>Additional price</th>
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#### Electronic Trip Units

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<th>Versions without ground-fault protection</th>
<th>BB</th>
<th>CB</th>
<th>EB</th>
<th>FB</th>
<th>NB</th>
<th>NG</th>
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#### Operating mechanism, auxiliary release, auxiliary switch

<table>
<thead>
<tr>
<th>Operating mechanism, auxiliary release, auxiliary switch</th>
<th>Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO</th>
<th>1AA2</th>
<th>None</th>
</tr>
</thead>
</table>

### Notes

1. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

2. For permissible rated short-time current $I_{cu}$ and rated short-circuit making capacity $I_{cs}$ for non-automatic air circuit breakers, see page 1/5.

3. Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52.

4. Current transformers for protection of the N conductor are to be ordered separately, see page 1/52.

5. ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

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

---

* You can order this quantity or a multiple thereof.
### 3-pole, fixed-mounted versions

#### Front main circuit connection, single hole

<table>
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<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n,max}$</th>
<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
<th>DT</th>
<th>$I_{cu}$ 66/80 kA at 500 V, standard breaking capacity S</th>
<th>Article No.</th>
<th>Basic price per PU (UNIT, SET, M)</th>
<th>PS*</th>
<th>P</th>
<th>PG</th>
<th>Weight approx. kg</th>
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### Front main circuit connection, double hole

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<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
<th>DT</th>
<th>$I_{cu}$ 66/80 kA at 500 V, standard breaking capacity S</th>
<th>Article No.</th>
<th>Basic price per PU (UNIT, SET, M)</th>
<th>PS*</th>
<th>P</th>
<th>PG</th>
<th>Weight approx. kg</th>
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<td>630</td>
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#### Options

<table>
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<tr>
<th>Non-automatic air circuit breakers</th>
<th>Without Electronic Trip Units</th>
<th>AA</th>
<th>Additional price</th>
</tr>
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<tbody>
<tr>
<td>Electronic Trip Units</td>
<td>Versions without ground-fault protection</td>
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<td>ETU15B: Protection functions L26</td>
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<td>ETU25B: Protection functions LSI</td>
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<td>ETU45B: Protection functions LSIN3</td>
<td>EB</td>
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<td>ETU45B: Protection functions LSIN3 with 4-line display</td>
<td>FB</td>
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<td>ETU76B: Protection functions LSIN3 with graphics display</td>
<td>NB</td>
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| Versions with ground-fault protection |
| ETU27B: Protection functions LSING4 | DG | ✓ |
| ETU45B: Protection functions LSING3 | EG | ✓ |
| ETU45B: Protection functions LSING3 with 4-line display | FG | ✓ |
| ETU76B: Protection functions LSING3 with graphics display | NG | ✓ |

### Operating mechanism, auxiliary release, auxiliary switch

| Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO | 1AA2 | None |

---

1. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

2. For permissible rated short-time current $I_{cu}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic circuit breakers, see page 1/5.

✓ Additional price

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 1/52.

4. Current transformers for protection of the N conductor are to be ordered separately, see page 1/52.

5. ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

6. ETU15B cannot be used with 3WL circuit breakers, size III.
### Air Circuit Breakers
3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

#### 3-pole, fixed-mounted versions

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{\text{m}}$</th>
<th>Rated current $I_{n}$</th>
<th>Breaking capacity $I_{cu}$ = $I_{cs}$</th>
<th>DT</th>
<th>$I_{\text{cu}}$, 85/100 kA at 500 V, high breaking capacity H</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*</th>
<th>PG</th>
<th>Weight per PU approx.</th>
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<tr>
<td>III</td>
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<td>4000</td>
<td>100</td>
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<td>103</td>
<td>82.000</td>
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#### Options

<table>
<thead>
<tr>
<th>Non-automatic air circuit breakers</th>
<th>Without Electronic Trip Units</th>
<th>AA</th>
<th>None</th>
</tr>
</thead>
</table>

#### Electronic Trip Units

- **Versions without ground-fault protection**
  - ETU15B: Protection functions LS (5)
  - ETU25B: Protection functions LS (5)
  - ETU45B: Protection functions LSI (5)
  - ETU65B: Protection functions LSIN (5) with 2-line display

- **Versions with ground-fault protection**
  - ETU27B: Protection functions LSING (6)
  - ETU45B: Protection functions LSING (6)
  - ETU65B: Protection functions LSING (6) with 4-line display

#### Operating mechanism, auxiliary release, auxiliary switch

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

Additional price

1. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.
2. For permissible rated short-time current $I_{cs}$ and rated short-circuit making capacity $I_{cu}$ for non-automatic air circuit breakers, see page 1/52.
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 1/52.
4. Current transformers for protection of the N conductor are to be ordered separately, see page 1/52.
5. ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
6. ETU15B cannot be used with 3WL circuit breakers, size III.
### Air Circuit Breakers

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

**3-pole, fixed-mounted versions**

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n\text{ max.}}$ A</th>
<th>Rated current $I_n$ A</th>
<th>Breaking capacity $I_{cu}$ = $I_{cs}$ DT $I_{cu}$ 85/100 kA at 500 V, high breaking capacity H</th>
<th>Weight per PU kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
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<td></td>
<td><strong>PU</strong> (UNIT, SET, M)</td>
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<td>A</td>
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<td></td>
<td><strong>PS</strong></td>
<td><strong>P. unit</strong></td>
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<tr>
<td>I</td>
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<td></td>
<td><strong>Weight</strong> per PU approx.</td>
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<td>100</td>
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<td>100</td>
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<tr>
<td>III</td>
<td>4000</td>
<td>4000</td>
<td>100</td>
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### Front main circuit connection, single hole

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Basic price per PU €</th>
</tr>
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<tbody>
<tr>
<td>3WL1208-4</td>
<td>1 unit 103 56.000</td>
</tr>
<tr>
<td>3WL1210-4</td>
<td>1 unit 103 56.000</td>
</tr>
<tr>
<td>3WL1212-4</td>
<td>1 unit 103 56.000</td>
</tr>
<tr>
<td>3WL1216-4</td>
<td>1 unit 103 56.000</td>
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<tr>
<td>3WL1220-4</td>
<td>1 unit 103 56.000</td>
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<tr>
<td>3WL1225-4</td>
<td>1 unit 103 59.000</td>
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<td>3WL1232-4</td>
<td>1 unit 103 64.000</td>
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</table>

### Front main circuit connection, double hole

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Basic price per PU €</th>
</tr>
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<tbody>
<tr>
<td>3WL1106-4</td>
<td>1 unit 103 43.000</td>
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<tr>
<td>3WL1108-4</td>
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<tr>
<td>3WL1110-4</td>
<td>1 unit 103 43.000</td>
</tr>
<tr>
<td>3WL1112-4</td>
<td>1 unit 103 43.000</td>
</tr>
<tr>
<td>3WL1116-4</td>
<td>1 unit 103 43.000</td>
</tr>
<tr>
<td>3WL1120-4</td>
<td>1 unit 103 43.000</td>
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<td>3WL1208-4</td>
<td>1 unit 103 56.000</td>
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<td>3WL1210-4</td>
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<td>3WL1212-4</td>
<td>1 unit 103 56.000</td>
</tr>
<tr>
<td>3WL1216-4</td>
<td>1 unit 103 56.000</td>
</tr>
<tr>
<td>3WL1220-4</td>
<td>1 unit 103 56.000</td>
</tr>
<tr>
<td>3WL1225-4</td>
<td>1 unit 103 59.000</td>
</tr>
<tr>
<td>3WL1232-4</td>
<td>1 unit 103 64.000</td>
</tr>
</tbody>
</table>

### Options

#### Non-automatic air circuit breakers

- **Without Electronic Trip Units**: AA
- **With Electronic Trip Units**
  - Versions without ground-fault protection
    - ETU15B: Protection functions LIP$^{(3)}$
    - ETU25B: Protection functions LSI$^{(3)}$
    - ETU45B: Protection functions LS$^{(3)}$
  - Versions with ground-fault protection
    - ETU27B: Protection functions LS$^{(5)}$
    - ETU45B: Protection functions LS$^{(5)}$
    - ETU76B: Protection functions LS$^{(5)}$

#### Operating mechanism, auxiliary release, auxiliary switch

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

### Additional price

1. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.
2. For permissible rated short-time current $I_{st}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

---

$^{(3)}$ Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52.

$^{(5)}$ ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

$^{(6)}$ ETU15B cannot be used with 3WL circuit breakers, size III.

---

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### Air Circuit Breakers

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

#### 3-pole, fixed-mounted versions

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n, max.}$</th>
<th>Rated current1) $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$ DT</th>
<th>$I_{cu}$ 130/150 kA at 500 V, very high breaking capacity C</th>
<th>PU (UNIT, SET, M)</th>
<th>PS1</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>A</td>
<td>kA</td>
<td></td>
<td></td>
<td></td>
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#### Horizontal main circuit connection

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n, max.}$</th>
<th>Rated current1) $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$ DT</th>
<th>$I_{cu}$ 130/150 kA at 500 V, very high breaking capacity C</th>
<th>PU (UNIT, SET, M)</th>
<th>PS1</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
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</thead>
<tbody>
<tr>
<td>II</td>
<td>1600</td>
<td>1600</td>
<td>130</td>
<td>3WL1216-5-32-32-32-32</td>
<td>1 1 unit 103 65.000</td>
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<td></td>
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</tr>
<tr>
<td>2000</td>
<td>2000</td>
<td>2000</td>
<td>130</td>
<td>3WL1220-5-32-32-32-32</td>
<td>1 1 unit 103 65.000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2500</td>
<td>2500</td>
<td>2500</td>
<td>130</td>
<td>3WL1225-5-32-32-32-32</td>
<td>1 1 unit 103 65.000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3200</td>
<td>3200</td>
<td>3200</td>
<td>130</td>
<td>3WL1232-5-32-32-32-32</td>
<td>1 1 unit 103 65.000</td>
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<tr>
<td>III</td>
<td>4000</td>
<td>4000</td>
<td>150</td>
<td>3WL1340-5-32-32-32-32-32</td>
<td>1 1 unit 103 82.000</td>
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<tr>
<td>5000</td>
<td>5000</td>
<td>5000</td>
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<td>3WL1350-5-32-32-32-32-32</td>
<td>1 1 unit 103 82.000</td>
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<td>6300</td>
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<td>1 1 unit 103 90.000</td>
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</table>

#### Vertical main circuit connection

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<th>Size</th>
<th>Max. rated circuit breaker current $I_{n, max.}$</th>
<th>Rated current1) $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$ DT</th>
<th>$I_{cu}$ 130/150 kA at 500 V, very high breaking capacity C</th>
<th>PU (UNIT, SET, M)</th>
<th>PS1</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>II</td>
<td>1600</td>
<td>1600</td>
<td>130</td>
<td>3WL1216-5-31-31-31-31</td>
<td>1 1 unit 103 65.000</td>
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<td></td>
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<tr>
<td>2000</td>
<td>2000</td>
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<td>130</td>
<td>3WL1220-5-31-31-31-31</td>
<td>1 1 unit 103 65.000</td>
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<td>2500</td>
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<td>3WL1225-5-31-31-31-31</td>
<td>1 1 unit 103 65.000</td>
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<td>3WL1232-5-31-31-31-31</td>
<td>1 1 unit 103 65.000</td>
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<tr>
<td>III</td>
<td>4000</td>
<td>4000</td>
<td>150</td>
<td>3WL1340-5-31-31-31-31-31</td>
<td>1 1 unit 103 82.000</td>
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<td>3WL1350-5-31-31-31-31-31</td>
<td>1 1 unit 103 82.000</td>
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<td>6300</td>
<td>150</td>
<td>3WL1363-5-31-31-31-31-31</td>
<td>1 1 unit 103 90.000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Options

**Non-automatic air circuit breakers2)** Without Electronic Trip Units AA None

**Electronic Trip Units**

- **Versions without ground-fault protection**
  - ETU15B: Protection functions LI
  - ETU25B: Protection functions LSI
  - ETU45B: Protection functions LSIN
    - with 4-line display
  - ETU76B: Protection functions LSIN
    - with graphics display

- **Versions with ground-fault protection**
  - ETU27B: Protection functions LSING
  - ETU45B: Protection functions LSING
    - with 4-line display
  - ETU76B: Protection functions LSING
    - with graphics display

**Operating mechanism, auxiliary release, auxiliary switch**

- Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO
  - 1AA2 None

---

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current.

2) For permissible rated short-time current $I_{cu}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

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

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 1/52.

6) ETU45B and ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
## Selection and ordering data

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{\text{in max.}}$</th>
<th>Rated current $I_{n}$</th>
<th>Breaking capacity $I_{\text{cu}} = I_{\text{cs}}$</th>
<th>DT</th>
<th>N</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>A</td>
<td>kA</td>
<td></td>
<td></td>
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<tr>
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<td>1 unit</td>
<td>103</td>
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<td>68.000</td>
</tr>
</tbody>
</table>

### Options

#### Non-automatic air circuit breakers

- **Without Electronic Trip Units**
  - AA
  - Additional price: None

#### Electronic Trip Units

**Versions without ground-fault protection**

- ETU15B: Protection functions LI
  - Additional price: None
- ETU25B: Protection functions LSI
  - Additional price: None
- ETU45B: Protection functions LSI
  - Additional price: None

**Versions with ground-fault protection**

- ETU76B: Protection functions LSI
  - Additional price: None

#### Operating mechanism, auxiliary release, auxiliary switch

- Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases, auxiliary switch 2 NC + 2 NO
  - Additional price: None

---

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

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

3) For permissible rated short-time current $I_{\text{cu}}$ and rated short-circuit making capacity $I_{\text{cs}}$ for non-automatic air circuit breakers, see page 1/5.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 1/52.

6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
## Air Circuit Breakers
### 3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

### 3-pole, withdrawable versions

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n,\text{max}}$</th>
<th>Rated current $I_i$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
<th>DT $I_{cu}$, 55/66 kA at 500 V, ECO breaking capacity N</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td>With guide frames, vertical main circuit connection</td>
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<th>Breaking capacity $I_{cu} = I_{cs}$</th>
<th>DT $I_{cu}$, 55/66 kA at 500 V, ECO breaking capacity N</th>
<th>PU (UNIT, SET, M)</th>
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### Options

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<th>Non-automatic air circuit breakers*3</th>
<th>Without Electronic Trip Units</th>
<th>Additional price</th>
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### Electronic Trip Units

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<th>Versions without ground-fault protection</th>
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<td>ETU15B: Protection functions LI</td>
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<td>ETU25B: Protection functions LS1</td>
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<td>ETU45B: Protection functions LSIN*4</td>
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<td>ETU45B: Protection functions LSIN*4 with 4-line display</td>
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<td>ETU76B: Protection functions LSIN*4 with graphics display</td>
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<th>Versions with ground-fault protection</th>
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<td>ETU27B: Protection functions LSING*5</td>
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<td>ETU45B: Protection functions LSING*5</td>
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### Operating mechanism, auxiliary release, auxiliary switch

<table>
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<th>Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO</th>
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### Additional price

- Additional price
- The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.
- Z options which are installed on the guide frame are not available.
- For permissible rated short-time current $I_{ts}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

---

* You can order this quantity or a multiple thereof.
### 3-pole, withdrawable versions

#### Without guide frames

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<th>Size</th>
<th>Max. rated circuit breaker current $I_{n,max}$</th>
<th>Rated current $I_i$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
<th>DT</th>
<th>$I_{cu}$ 66/80 kA at 500 V, standard breaking capacity $S$</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*</th>
<th>PG</th>
<th>Weight approx.</th>
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#### With guide frames, horizontal main circuit connection

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<th>$I_{cu}$ 66/80 kA at 500 V, standard breaking capacity $S$</th>
<th>PU (UNIT, SET, M)</th>
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#### Options

**Non-automatic air circuit breakers**

- **Without Electronic Trip Units**
  - **AA**
  - **None**

**Electronic Trip Units**

- **ETU15B**: Protection functions LI
- **ETU25B**: Protection functions LSI
- **ETU45B**: Protection functions LSIN
- **ETU66B**: Protection functions LSIN with 4-line display
- **ETU15B**: Protection functions BB
- **ETU25B**: Protection functions CB
- **ETU45B**: Protection functions EB
- **ETU66B**: Protection functions FB

**Versions with ground-fault protection**

- **ETU27B**: Protection functions LSIN
- **ETU45B**: Protection functions LSIN
- **ETU66B**: Protection functions LSIN with 4-line display

**Operating mechanism, auxiliary release, auxiliary switch**

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

- **1AA2**

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1. Additional price
2. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.
3. Z options which are installed on the guide frame are not available.
4. Current transformers for protection of the N conductor and current trans-formers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52.
5. Current transformers for protection of the N conductor are to be ordered separately, see page 1/52.
6. ETU45B to ETU66B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

---

* 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), IEC**

#### 3-pole, withdrawable versions

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<th>Size</th>
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<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
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<th>Basic price per PU, SET, M</th>
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| With guide frames, connecting flanges |
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|        | 800                                           | 800                 |                                    |    | 3WL1108-3  | 1 1 unit 103 70.000       |     |    |                         |
|        | 1000                                          | 1000                |                                    |    | 3WL1110-3  | 1 1 unit 103 70.000       |     |    |                         |
|        | 1250                                          | 1250                |                                    |    | 3WL1112-3  | 1 1 unit 103 70.000       |     |    |                         |
|        | 1600                                          | 1600                |                                    |    | 3WL1116-3  | 1 1 unit 103 70.000       |     |    |                         |
|        | 2000                                          | 2000                |                                    |    | 3WL1120-3  | 1 1 unit 103 70.000       |     |    |                         |
| II     | 800                                           | 800                 | 80                                 |    | 3WL1208-3  | 1 1 unit 103 91.000       |     |    |                         |
|        | 1000                                          | 1000                |                                    |    | 3WL1210-3  | 1 1 unit 103 91.000       |     |    |                         |
|        | 1250                                          | 1250                |                                    |    | 3WL1212-3  | 1 1 unit 103 91.000       |     |    |                         |
|        | 1600                                          | 1600                |                                    |    | 3WL1216-3  | 1 1 unit 103 91.000       |     |    |                         |
|        | 2000                                          | 2000                |                                    |    | 3WL1220-3  | 1 1 unit 103 91.000       |     |    |                         |
|        | 2500                                          | 2500                |                                    |    | 3WL1225-3  | 1 1 unit 103 102.000      |     |    |                         |
|        | 3200                                          | 3200                |                                    |    | 3WL1232-3  | 1 1 unit 103 113.000      |     |    |                         |

#### Options

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</table>

#### Operating mechanism, auxiliary release, auxiliary switch

| Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO | 1AA2 | None |

---

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

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

3) For permissible rated short-time current $I_{cu}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52.

5) Current transformers for protection of the N conductor are to be ordered separately, see page 1/52.

6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
### 3-pole, withdrawable versions

**Size** | **Max. rated circuit breaker current** $I_{\text{in max.}}$ | **Rated current** $I_n$ | **Breaking capacity** $I_{\text{cu}} \geq I_{\text{cs}}$ | DT | $I_{\text{cu}}$, 85/100 kA at 500 V, high breaking capacity H |
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**Without guide frames**

For guide frames, see pages 1/46 to 1/51

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**With guide frames, horizontal main circuit connection**

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**Options**

### Non-automatic air circuit breakers

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### Electronic Trip Units

**Versions without ground-fault protection**

- ETU15B: Protection functions LI
- ETU25B: Protection functions LSI
- ETU45B: Protection functions LSIN
  - with 4-line display

**Versions with ground-fault protection**

- ETU27B: Protection functions LSING
- ETU45B: Protection functions LSING
  - with 4-line display
- ETU76B: Protection functions LSING
  - with graphics display

### Operating mechanism, auxiliary release, auxiliary switch

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

- For further Article No. supplements, see page 1/38

- Additional price

1. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.
2. Z options which are installed on the guide frame are not available.
3. For permissible rated short-time current $I_{\text{cm}}$ and rated short-circuit making capacity $I_{\text{cm}}$, for non-automatic air circuit breakers, see page 1/5.

---

4. Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52.
5. Current transformers for protection of the N conductor are to be ordered separately, see page 1/52.
6. ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
7. ETU15B cannot be used with 3WL circuit breakers, size III.

---

*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), IEC

#### 3-pole, withdrawable versions

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n, max.}$</th>
<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
<th>DT $I_{cu} \leq 85/100$ kA at 500 V, high breaking capacity H</th>
<th>PU (UNIT, SET, M)</th>
<th>PST/ P unit</th>
<th>PG</th>
<th>Weight per PU approx.</th>
<th>Article No. Web Reference</th>
<th><strong>Cost</strong> per PU</th>
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#### Options

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<th>Electronic Trip Units</th>
<th>Additional price</th>
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<td>EG</td>
<td>None</td>
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<tr>
<td>FG</td>
<td>None</td>
</tr>
<tr>
<td>NG</td>
<td>None</td>
</tr>
</tbody>
</table>

#### Operating mechanism, auxiliary release, auxiliary switch

| Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO | 1AA2 |

---

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.
2) Z options which are installed on the guide frame are not available.
3) For permissible rated short-time current $I_{cu}$ and rated short-circuit making capacity $I_{cs}$ for non-automatic air circuit breakers, see page 1/5.
4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52.
5) Current transformers for protection of the N conductor are to be ordered separately, see page 1/52.
6) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
7) ETU15B cannot be used with 3WL circuit breakers, size III.

© Siemens AG 2015
### Air Circuit Breakers

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

**3-pole, withdrawable versions**

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{\text{max}}$</th>
<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{\text{cu}}$</th>
<th>DT</th>
<th>PU (UNIT, SET, M)</th>
<th>PS (^*) P unit</th>
<th>PG</th>
<th>Weight per PU approx.</th>
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### Options

#### Non-automatic air circuit breakers

<table>
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<tbody>
<tr>
<td>Without Electronic Trip Units</td>
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</tbody>
</table>

#### Electronic Trip Units

- **Versions without ground-fault protection**
  - ETU15B: Protection functions L1
  - ETU25B: Protection functions LSI
  - ETU45B: Protection functions LSIN
  - ETU45B: Protection functions LSIN with 4-line display
  - ETU76B: Protection functions LSIN with graphics display

- **Versions with ground-fault protection**
  - ETU27B: Protection functions LSING
  - ETU45B: Protection functions LSING
  - ETU45B: Protection functions LSING with 4-line display
  - ETU76B: Protection functions LSING with graphics display

#### Operating mechanism, auxiliary release, auxiliary switch

- Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO: 1AA2

### Additional information

1. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.
2. Z options which are installed on the guide frame are not available.
3. For permissible rated short-time current $I_{\text{cc}}$ and rated short-circuit making capacity $I_{\text{cm}}$ for non-automatic air circuit breakers, see page 1/5.
4. ETU15B cannot be used with 3WL circuit breakers, size III.
5. Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52.
6. Current transformers for protection of the N conductor are to be ordered separately, see page 1/52.
7. ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
## Selection and ordering data

### Horizontal main circuit connection

<table>
<thead>
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<th>Size</th>
<th>Max. rated circuit breaker current $I_{n\text{max}}$ A</th>
<th>Rated current $I_n$ A</th>
<th>Breaking capacity $I_{cu} = I_{cs}$ kA</th>
<th>DT</th>
<th>$I_{Cu}$ 55/66 kA at 500 V, ECO breaking capacity N</th>
<th>Basic price per PU (£)</th>
<th>PU (UNIT, SET, M)</th>
<th>PS/</th>
<th>PG</th>
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<tbody>
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### Vertical main circuit connection

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<th>Rated current $I_n$ A</th>
<th>Breaking capacity $I_{cu} = I_{cs}$ kA</th>
<th>DT</th>
<th>$I_{Cu}$ 55/66 kA at 500 V, ECO breaking capacity N</th>
<th>Basic price per PU (£)</th>
<th>PU (UNIT, SET, M)</th>
<th>PS/</th>
<th>PG</th>
<th>Weight per PU kg</th>
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<tbody>
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### Options

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<th>Additional price</th>
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<tr>
<td>ETU15B: Protection functions LI</td>
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<tr>
<td>ETU25B: Protection functions LSI</td>
<td>CB</td>
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<td></td>
</tr>
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<td>ETU45B: Protection functions LSIN(3) with 4-line display</td>
<td>EB</td>
<td>✓</td>
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<tr>
<td>ETU45B: Protection functions LSIN(3) with graphics display</td>
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<td>Versions with ground-fault protection</td>
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</tbody>
</table>

### Operating mechanism, auxiliary release, auxiliary switch

| Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO | 1AA2 | None |

---

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

2) For permissible rated short-time current $I_{cm}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The internal current transformers for N conductors can be ordered by adding the supplement "V" and the order code "F23", see page 1/41.

4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

---

*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), IEC

#### 4-pole, fixed-mounted versions

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current</th>
<th>Rated current</th>
<th>Breaking capacity</th>
<th>Max. rated circuit breaker current</th>
<th>Rated current</th>
<th>Breaking capacity</th>
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<tbody>
<tr>
<td></td>
<td>( I_{n\text{max}} )</td>
<td>( I_n )</td>
<td>( I_{cu} = I_{cs} )</td>
<td>( I_{n\text{max}} )</td>
<td>( I_n )</td>
<td>( I_{cu} = I_{cs} )</td>
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<td>A</td>
<td>kA</td>
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### Options

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<th>Additional price</th>
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<tr>
<td><strong>Non-automatic air circuit breakers</strong></td>
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<td><strong>Electronic Trip Units</strong></td>
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<tr>
<td>Versions without ground-fault protection</td>
<td></td>
</tr>
<tr>
<td>ETU15B: Protection functions L1</td>
<td>BB</td>
</tr>
<tr>
<td>ETU25B: Protection functions LSI</td>
<td>CB</td>
</tr>
<tr>
<td>ETU45B: Protection functions LSN (^{3)})</td>
<td>EB</td>
</tr>
<tr>
<td>ETU45B: Protection functions LSN (^{3)}) with 4-line display</td>
<td>FB</td>
</tr>
<tr>
<td>ETU76B: Protection functions LSN (^{3)}) with graphics display</td>
<td>NB</td>
</tr>
<tr>
<td>Versions with ground-fault protection</td>
<td></td>
</tr>
<tr>
<td>ETU27B: Protection functions LSN (^{3)})</td>
<td>DG</td>
</tr>
<tr>
<td>ETU43B: Protection functions LSN (^{3)})</td>
<td>EG</td>
</tr>
<tr>
<td>ETU43B: Protection functions LSN (^{3)}) with 4-line display</td>
<td>FG</td>
</tr>
<tr>
<td>ETU76B: Protection functions LSN (^{3)}) with graphics display</td>
<td>NG</td>
</tr>
<tr>
<td><strong>Operating mechanism, auxiliary release, auxiliary switch</strong></td>
<td>1AA2</td>
</tr>
</tbody>
</table>

\(^{1)}\) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

\(^{2)}\) For permissible rated short-time current \( I_{\text{cm}} \) and rated short-circuit making capacity \( I_{\text{cm}} \) for non-automatic air circuit breakers, see page 1/5.

\(^{3)}\) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The internal current transformers for N conductors can be ordered by adding the supplement “−Z” and the order code “F23”, see page 1/41.

\(^{4)}\) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

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1/25
## Air Circuit Breakers
### 3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

### 4-pole, fixed-mounted versions

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{\text{N, max}}$</th>
<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
<th>DT</th>
<th>$I_{cu}$ 66/80 kA at 500 V, standard breaking capacity S</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*</th>
<th>PG</th>
<th>Weight per PU approx.</th>
<th>kg</th>
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<tbody>
<tr>
<td>I</td>
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<tr>
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<td>800</td>
<td>66</td>
<td>3WL1108-3-□□-□□-□□-□□-□□</td>
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<tr>
<td>I</td>
<td>1000</td>
<td>1000</td>
<td>66</td>
<td>3WL1110-3-□□-□□-□□-□□-□□</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
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<td>1250</td>
<td>66</td>
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<tr>
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<td>1600</td>
<td>66</td>
<td>3WL1116-3-□□-□□-□□-□□-□□</td>
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<tr>
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<td>800</td>
<td>80</td>
<td>3WL1208-3-□□-□□-□□-□□-□□-□□</td>
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<td></td>
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<tr>
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<td>1250</td>
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<td>3WL1212-3-□□-□□-□□-□□-□□-□□</td>
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<td>67.000</td>
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<td>3WL1216-3-□□-□□-□□-□□-□□-□□</td>
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<td></td>
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<tr>
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<td>3WL1225-3-□□-□□-□□-□□-□□-□□</td>
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<td>3WL1232-3-□□-□□-□□-□□-□□-□□</td>
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### Options

<table>
<thead>
<tr>
<th>Non-automatic air circuit breakers 2)</th>
<th>Without Electronic Trip Units</th>
<th>AA</th>
<th>Additional price</th>
</tr>
</thead>
</table>

**Electronic Trip Units**

- **Versions without ground-fault protection**
  - ETU15B: Protection functions LI
  - ETU25B: Protection functions LSI
  - ETU45B: Protection functions LSIN
  - ETU45B: Protection functions LSIN with 4-line display
  - ETU6B: Protection functions LSIN with graphics display

- **Versions with ground-fault protection**
  - ETU27B: Protection functions LSIN
  - ETU45B: Protection functions LSIN with 4-line display
  - ETU76B: Protection functions LSIN with graphics display

**Operating mechanism, auxiliary release, auxiliary switch**

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

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

2) For permissible rated short-time current $I_{ct}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The internal current transformers for N conductors can be ordered by adding the supplement “–Z” and the order code “F23”, see page 1/41.

4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
# Air Circuit Breakers

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

### 4-pole, fixed-mounted versions

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n, \text{max.}}$</th>
<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
<th>DT $I_L, 66/80 \text{kA at 500 V, standard breaking capacity } S$</th>
<th>PU (UNIT, SET, M)</th>
<th>PS* P. unit</th>
<th>Weight per PU approx. kg</th>
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<td>A</td>
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<td>630</td>
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<td>3WL1108-3</td>
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<td>3WL1110-3</td>
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<td>3WL1112-3</td>
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<td>1 unit</td>
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<td>3WL1220-3</td>
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<td>3WL1232-3</td>
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### Options

#### Non-automatic air circuit breakers

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**Electronic Trip Units**

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<th>Versions without ground-fault protection</th>
<th>BB</th>
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</thead>
<tbody>
<tr>
<td>ETU15B: Protection functions LI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETU25B: Protection functions LSI</td>
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</tr>
<tr>
<td>ETU45B: Protection functions LSiN</td>
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</tr>
<tr>
<td>ETU45B: Protection functions LSiN with 4-line display</td>
<td>FB</td>
<td>✓</td>
</tr>
<tr>
<td>ETU76B: Protection functions LSiN with graphics display</td>
<td>NB</td>
<td>✓</td>
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</table>

<table>
<thead>
<tr>
<th>Versions with ground-fault protection</th>
<th>DG</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETU27B: Protection functions LsING</td>
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</tr>
<tr>
<td>ETU45B: Protection functions LsING</td>
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</tr>
<tr>
<td>ETU45B: Protection functions LsING with 4-line display</td>
<td>FG</td>
</tr>
<tr>
<td>ETU76B: Protection functions LsING with graphics display</td>
<td>NG</td>
</tr>
</tbody>
</table>

#### Operating mechanism, auxiliary release, auxiliary switch

<table>
<thead>
<tr>
<th>Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO</th>
<th>1AA2</th>
<th>None</th>
</tr>
</thead>
</table>

### Additional notes

1. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

2. For permissible rated short-time current $I_n$ and rated short-circuit making capacity $I_{cs}$ for non-automatic air circuit breakers, see page 1/5.

3. Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The internal current transformers for N conductors can be ordered by adding the supplement “-Z” and the order code “F23”, see page 1/41.

4. ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
### Air Circuit Breakers

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

#### 4-pole, fixed-mounted versions

<table>
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<tr>
<th>Horizontal main circuit connection</th>
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<td>Size</td>
<td>Max. rated circuit breaker current $I_{N,max}$</td>
<td>Rated current $I_n$</td>
<td>Breaking capacity $I_{cm}$</td>
<td>DT $I_{cu}$ 85/100 kA at 500 V</td>
<td>high breaking capacity H</td>
<td>Weight per PU approx.</td>
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<td>103.000</td>
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<tr>
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<td>99.000</td>
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<td>6300</td>
<td>6300</td>
<td>1</td>
<td>103</td>
<td>108.000</td>
</tr>
</tbody>
</table>

#### Vertical main circuit connection

| Size                              | Max. rated circuit breaker current $I_{N,max}$ | Rated current $I_n$ | Breaking capacity $I_{cm}$ | DT $I_{cu}$ 85/100 kA at 500 V | high breaking capacity H | Weight per PU approx. |
|------------------------------------| 630 | 630 | 85 | 1 | 103 | 50.000 |
|                                   | 800 | 800 | 100 | 1 | 103 | 67.000 |
|                                   | 1000 | 1000 | 1250 | 1 | 103 | 71.000 |
|                                   | 1600 | 1600 | 1600 | 1 | 103 | 77.000 |
|                                   | 2000 | 2000 | 2000 | 1 | 103 | 99.000 |
|                                   | 2500 | 2500 | 2500 | 1 | 103 | 99.000 |
|                                   | 3200 | 3200 | 3200 | 1 | 103 | 103.000 |
| III                               | 4000 | 4000 | 100 | 1 | 103 | 99.000 |
|                                   | 5000 | 5000 | 5000 | 1 | 103 | 99.000 |
|                                   | 6300 | 6300 | 6300 | 1 | 103 | 108.000 |

#### Options

<table>
<thead>
<tr>
<th>Non-automatic air circuit breakers 2)</th>
<th>Without Electronic Trip Units</th>
<th>Additional price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Trip Units</td>
<td>Versions without ground-fault protection</td>
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</tr>
<tr>
<td>ETU15B: Protection functions LI 4)</td>
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</tr>
<tr>
<td>ETU25B: Protection functions LSI</td>
<td>CB</td>
<td>✓</td>
</tr>
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<td>ETU45B: Protection functions LSIN 3)</td>
<td>EB</td>
<td>✓</td>
</tr>
<tr>
<td>ETU45B: Protection functions LSIN with 4-line display</td>
<td>FB</td>
<td>✓</td>
</tr>
<tr>
<td>ETU76B: Protection functions LSIN with graphics display</td>
<td>NB</td>
<td>✓</td>
</tr>
<tr>
<td>Versions with ground-fault protection</td>
<td>ETU27B: Protection functions LSIN</td>
<td>DG</td>
</tr>
<tr>
<td>ETU45B: Protection functions LSIN with 4-line display</td>
<td>ETU45B: Protection functions LSIN</td>
<td>EG</td>
</tr>
<tr>
<td>ETU76B: Protection functions LSIN with graphics display</td>
<td>ETU76B: Protection functions LSIN</td>
<td>FG</td>
</tr>
</tbody>
</table>

#### Operating mechanism, auxiliary switch

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

For further Article No. supplements, see page 1/38

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

2) For permissible rated short-time current $I_{cm}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

3) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The integral current transformers for N conductors can be ordered by adding the supplement "Z" and the order code "F23", see page 1/41.

4) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

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

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### Air Circuit Breakers

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

#### 4-pole, fixed-mounted versions

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n\text{ max.}}$</th>
<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
<th>DT</th>
<th>$I_{cu}$ 85/100 kA at 500 V, high breaking capacity H</th>
<th>Pu (UNIT, SET, M)</th>
<th>Pu* P. unit PG</th>
<th>Weight per PU approx.</th>
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</thead>
<tbody>
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<td>A</td>
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#### Additional price

1. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

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 1/5.

3. Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The internal current transformers for N conductors can be ordered by adding the supplement “–Z” and the order code “F23”, see page 1/41.

4. ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

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

#### Options

**Non-automatic air circuit breakers**

- Without Electronic Trip Units

**Electronic Trip Units**

- Versions without ground-fault protection
  - ETU15B: Protection functions LI
  - ETU25B: Protection functions LSI
  - ETU45B: Protection functions LSIN

- With ground-fault protection
  - ETU27B: Protection functions LSING
  - ETU45B: Protection functions LSING with 4-line display
  - ETU76B: Protection functions LSING with graphics display

**Operating mechanism, auxiliary release, auxiliary switch**

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

For further Article No. supplements, see page 1/38

---

✓ Additional price

1. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

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 1/5.

3. Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The internal current transformers for N conductors can be ordered by adding the supplement “–Z” and the order code “F23”, see page 1/41.

4. ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

5. ETU15B cannot be used with 3WL circuit breakers, size III.
## Air Circuit Breakers

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

### 4-pole, fixed-mounted versions

#### Horizontal main circuit connection

<table>
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<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n,\text{max}}$</th>
<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{cu}$</th>
<th>DT $I_{cu}$ 130/150 kA at 500 V, very high breaking capacity C</th>
<th>Weight per PU approx.</th>
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<th>Breaking capacity $I_{cu}$</th>
<th>DT $I_{cu}$ 130/150 kA at 500 V, very high breaking capacity C</th>
<th>Weight per PU approx.</th>
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### Options

#### Non-automatic air circuit breakers

- **Without Electronic Trip Units**: AA
- **With Electronic Trip Units**
  - ETU15B: Protection functions LI
  - ETU25B: Protection functions LSI
  - ETU45B: Protection functions LSI
  - ETU45B: Protection functions LSI with 4-line display
  - ETU76B: Protection functions LSI with graphics display
  - ETU27B: Protection functions LSING
  - ETU45B: Protection functions LSING
  - ETU76B: Protection functions LSING
  - ETU45B: Protection functions LSING with 4-line display
  - ETU76B: Protection functions LSING with graphics display

#### Operating mechanism, auxiliary release, auxiliary switch

- Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO: 1AA2

### Additional price

1. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

2. For permissible rated short-time current $I_{ct}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

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

4. Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The internal current transformers for N conductors can be ordered by adding the supplement “Z” and the order code “F23”, see page 1/41.

5. ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
### Selection and ordering data

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{\text{max}}$</th>
<th>Rated current $I_{n}$</th>
<th>Breaking capacity $I_{\text{cu}} = I_{\text{cs}}$</th>
<th>DT</th>
<th>$I_{\text{cu}}, 55/66$ kA at $500$ V, ECO breaking capacity $N$</th>
<th>Basic price per PU</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
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**Without guide frames**

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<th>Rated current $I_{n}$</th>
<th>Breaking capacity $I_{\text{cu}} = I_{\text{cs}}$</th>
<th>DT</th>
<th>$I_{\text{cu}}, 55/66$ kA at $500$ V, ECO breaking capacity $N$</th>
<th>Basic price per PU</th>
<th>PU (UNIT, SET, M)</th>
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**With guide frames, horizontal main circuit connection**

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### Operating mechanism, auxiliary release, auxiliary switch

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

For further Article No. supplements, see page 1/38

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1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

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

3) For permissible rated short-time current $I_{\text{cu}}$ and rated short-circuit making capacity $I_{\text{cm}}$ for non-automatic air circuit breakers, see page 1/5.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The internal current transformers for N conductors can be ordered by adding the supplement “–Z” and the order code “F23”, see page 1/41.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

---

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), IEC

### 4-pole, withdrawable versions

<table>
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<th>Rated current $I_r$</th>
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### Options

#### Non-automatic air circuit breakers

- Without Electronic Trip Units: AA
- Additional price: None

#### Electronic Trip Units

- Versions without ground-fault protection
  - ETU15B: Protection functions L1
  - ETU25B: Protection functions LSI
  - ETU45B: Protection functions LSIN
  - ETU45B: Protection functions LSIN with 4-line display
- ETU76B: Protection functions LSIN with graphics display

- Versions with ground-fault protection
  - ETU27B: Protection functions LSING
  - ETU45B: Protection functions LSING with 4-line display
  - ETU76B: Protection functions LSING with graphics display

#### Operating mechanism, auxiliary release, auxiliary switch

- Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO: 1AA2
- Additional price: None

---

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

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

3) For permissible rated short-time current $I_{cu}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The internal current transformers for N conductors can be ordered by adding the supplement “–Z” and the order code “F23”, see page 1/41.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
### 3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC
#### 4-pole, withdrawable versions

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<th>Size</th>
<th>Max. rated circuit breaker current $I_{n\text{max}}$</th>
<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
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<th>$I_{n,66/80\text{ kA at }500\text{ V}}$, standard breaking capacity S</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*/ P. unit</th>
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<th>Weight per PU approx.</th>
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| **With guide frames, horizontal main circuit connection** | | | | | | | | | |
| I    | 630                             | 630              | 66                            |     | 3WL1106-3●46-56-56                                  | 1 1 unit 103     | 84.000           |       |                   |
|      | 800                             | 800              |                               |     | 3WL1108-3●46-56-56                                  | 1 1 unit 103     | 84.000           |       |                   |
|      | 1000                            | 1000             |                               |     | 3WL1110-3●46-56-56                                  | 1 1 unit 103     | 84.000           |       |                   |
|      | 1250                            | 1250             |                               |     | 3WL1112-3●46-56-56                                  | 1 1 unit 103     | 84.000           |       |                   |
|      | 1600                            | 1600             |                               |     | 3WL1116-3●46-56-56                                  | 1 1 unit 103     | 84.000           |       |                   |
|      | 2000                            | 2000             |                               |     | 3WL1200-3●46-56-56                                  | 1 1 unit 103     | 84.000           |       |                   |

### Options

#### Non-automatic air circuit breakers<sup>3)</sup>
- Without Electronic Trip Units
  - Additional price None

#### Electronic Trip Units
- Versions without ground-fault protection
  - ETU15B: Protection functions Li
  - ETU25B: Protection functions LSI
  - ETU45B: Protection functions LSI<sup>4)</sup>
  - ETU45B: Protection functions LSI<sup>3)</sup> with 4-line display
  - ETU76B: Protection functions LSI<sup>3)</sup> with graphics display

- Versions with ground-fault protection
  - ETU27B: Protection functions LSI<sup>3)</sup>
  - ETU45B: Protection functions LSI<sup>3)</sup>
  - ETU45B: Protection functions LSI<sup>3)</sup> with 4-line display
  - ETU76B: Protection functions LSI<sup>3)</sup> with graphics display

#### Operating mechanism, auxiliary release, auxiliary switch
- Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO
  - 1AA2

### Additional price

<sup>1)</sup> The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

<sup>2)</sup> Z options which are installed on the guide frame are not available.

<sup>3)</sup> For permissible rated short-time current $I_{ct}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

<sup>4)</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 1/52. The internal current transformers for N conductors can be ordered by adding the supplement “–Z” and the order code “F23”, see page 1/41.

<sup>5)</sup> ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

*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), IEC

### 4-pole, withdrawable versions

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<td>4000</td>
<td>103</td>
<td>3WL1232-3-□□□□□□□□</td>
<td>1 1 unit 103</td>
<td>109.000</td>
<td></td>
</tr>
</tbody>
</table>

### With guide frames, connecting flanges

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{\text{t,\text{max}}}^-$</th>
<th>Rated current $I_{\text{t}}$</th>
<th>Breaking capacity $I_{\text{cm},\text{max}}$ at 500 V, standard breaking capacity $I_{\text{cs}}$</th>
<th>DT</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>630</td>
<td>630</td>
<td>80</td>
<td>66</td>
<td>3WL1106-3-□□□□□□□□</td>
<td>1 1 unit 103</td>
<td>84.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>800</td>
<td>800</td>
<td>100</td>
<td>80</td>
<td>3WL1208-3-□□□□□□□□</td>
<td>1 1 unit 103</td>
<td>109.000</td>
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</tr>
<tr>
<td></td>
<td>1000</td>
<td>1000</td>
<td>1250</td>
<td>103</td>
<td>3WL1210-3-□□□□□□□□</td>
<td>1 1 unit 103</td>
<td>109.000</td>
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</tr>
<tr>
<td></td>
<td>1250</td>
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<td>1500</td>
<td>103</td>
<td>3WL1212-3-□□□□□□□□</td>
<td>1 1 unit 103</td>
<td>109.000</td>
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</tr>
<tr>
<td></td>
<td>1600</td>
<td>1600</td>
<td>2000</td>
<td>103</td>
<td>3WL1216-3-□□□□□□□□</td>
<td>1 1 unit 103</td>
<td>109.000</td>
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</tr>
<tr>
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<td>2000</td>
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<td>2500</td>
<td>103</td>
<td>3WL1220-3-□□□□□□□□</td>
<td>1 1 unit 103</td>
<td>109.000</td>
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</tr>
<tr>
<td></td>
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<td>2500</td>
<td>3200</td>
<td>103</td>
<td>3WL1225-3-□□□□□□□□</td>
<td>1 1 unit 103</td>
<td>109.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3200</td>
<td>3200</td>
<td>4000</td>
<td>103</td>
<td>3WL1232-3-□□□□□□□□</td>
<td>1 1 unit 103</td>
<td>109.000</td>
<td></td>
</tr>
</tbody>
</table>

### Options

| Non-automatic air circuit breakers
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Without Electronic Trip Units</td>
<td>AA</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

| Electronic Trip Units |
|------------------------|----------|----------|----------|----------|
| ETU15B: Protection functions LI | BB       | ✓        |
| ETU25B: Protection functions LSI | CB       | ✓        |
| ETU45B: Protection functions LSIN³⁵ | EB       | ✓        |
| ETU45B: Protection functions LSIN⁴ with 4-line display | FB       | ✓        |
| ETU76B: Protection functions LSIN⁴ with graphics display | NB       | ✓        |

| Versions with ground-fault protection |
|----------------------------------------|----------|----------|----------|----------|
| ETU27B: Protection functions LSIN⁴ | DG       | ✓        |
| ETU45B: Protection functions LSIN⁴ | EG       | ✓        |
| ETU45B: Protection functions LSIN⁴ with 4-line display | FG       | ✓        |
| ETU76B: Protection functions LSIN⁴ with graphics display | NG       | ✓        |

### Operating mechanism, auxiliary release, auxiliary switch

| Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases; auxiliary switch 2 NC + 2 NO | 1AA2 | None |

---

1) The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.

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

3) For permissible rated short-time current $I_{\text{cm}}$ and rated short-circuit making capacity $I_{\text{cs}}$, see page 1/5.

4) Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The internal current transformers for N conductors can be ordered by adding the supplement “-Z” and the order code “F23”, see page 1/41.

5) ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
## 4-pole, withdrawable versions

### Without guide frames\(^2\)

**Options**

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current (I_{\text{max}})</th>
<th>Rated current(^1) (I_n)</th>
<th>Breaking capacity (I_{\text{cu}} = I_{\text{cs}})</th>
<th>45 kA</th>
<th>46 kA</th>
<th>45 kA</th>
<th>46 kA</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>630</td>
<td>630</td>
<td>85</td>
<td>630</td>
<td>630</td>
<td>85</td>
<td>630</td>
</tr>
<tr>
<td>II</td>
<td>800</td>
<td>800</td>
<td>100</td>
<td>800</td>
<td>800</td>
<td>100</td>
<td>800</td>
</tr>
<tr>
<td>III</td>
<td>4000</td>
<td>5000</td>
<td>100</td>
<td>6300</td>
<td>5000</td>
<td>100</td>
<td>6300</td>
</tr>
</tbody>
</table>

**With guide frames, horizontal main circuit connection**

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current (I_{\text{max}})</th>
<th>Rated current(^1) (I_n)</th>
<th>Breaking capacity (I_{\text{cu}} = I_{\text{cs}})</th>
<th>45 kA</th>
<th>46 kA</th>
<th>45 kA</th>
<th>46 kA</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>630</td>
<td>630</td>
<td>85</td>
<td>630</td>
<td>630</td>
<td>85</td>
<td>630</td>
</tr>
<tr>
<td>II</td>
<td>800</td>
<td>800</td>
<td>100</td>
<td>800</td>
<td>800</td>
<td>100</td>
<td>800</td>
</tr>
<tr>
<td>III</td>
<td>4000</td>
<td>5000</td>
<td>100</td>
<td>6300</td>
<td>5000</td>
<td>100</td>
<td>6300</td>
</tr>
</tbody>
</table>

**Options**

- **Non-automatic air circuit breakers\(^3\)**

  - Without Electronic Trip Units

  - Electronic Trip Units

    - Versions without ground-fault protection
      - ETU15B: Protection functions LP\(^4\)
      - ETU25B: Protection functions LSI
      - ETU45B: Protection functions LSIN\(^5\)
    - ETU45B: Protection functions LSIN\(^5\) with 4-line display
    - ETU76B: Protection functions LSIN\(^6\) with graphics display

  - Versions with ground-fault protection
    - ETU27B: Protection functions LSIN\(^4\)
    - ETU45B: Protection functions LSIN\(^5\) with 4-line display
    - ETU76B: Protection functions LSIN\(^6\) with graphics display

**Operating mechanism, auxiliary release, auxiliary switch**

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

---

1. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. For permissible rated short-time current \(I_{\text{cu}}\) and rated short-circuit making current \(I_{\text{cm}}\) for non-automatic air circuit breakers, see page 1/5.

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

3. For permissible rated short-time current \(I_{\text{cu}}\) and rated short-circuit making current \(I_{\text{cm}}\) for non-automatic air circuit breakers, see page 1/5.

4. Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The internal current transformers for N conductors can be ordered by adding the supplement “–Z” and the order code “F23”, see page 1/41.

5. ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

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

* 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), IEC

#### 4-pole, withdrawable versions

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{\text{max}}$</th>
<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{\text{cu}} = I_{\text{cs}}$</th>
<th>DT $I_{\text{cu}}$ 85/100 kA at 500 V, high breaking capacity H</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*/P unit</th>
<th>PG</th>
<th>Weight per PU approx.</th>
<th>kg</th>
</tr>
</thead>
</table>

### With guide frames, vertical main circuit connection

<table>
<thead>
<tr>
<th>I</th>
<th>630</th>
<th>630</th>
<th>85</th>
<th>3WL1106-4–47-47-47-47</th>
<th>1 1 unit 103</th>
<th>84.000</th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>II</td>
<td>800</td>
<td>800</td>
<td>100</td>
<td>3WL1204-4–47-47-47-47</td>
<td>1 1 unit 103</td>
<td>109.000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>4000</td>
<td>4000</td>
<td>100</td>
<td>3WL1340-4–47-47-47-47</td>
<td>1 1 unit 103</td>
<td>190.000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### With guide frames, connecting flanges

<table>
<thead>
<tr>
<th>I</th>
<th>630</th>
<th>630</th>
<th>85</th>
<th>3WL1106-4–48-48-48-48</th>
<th>1 1 unit 103</th>
<th>84.000</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>II</td>
<td>800</td>
<td>800</td>
<td>100</td>
<td>3WL1204-4–48-48-48-48</td>
<td>1 1 unit 103</td>
<td>109.000</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>4000</td>
<td>4000</td>
<td>100</td>
<td>3WL1340-4–48-48-48-48</td>
<td>1 1 unit 103</td>
<td>190.000</td>
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### Options

<table>
<thead>
<tr>
<th>Non-automatic air circuit breakers¹</th>
<th>Without Electronic Trip Units</th>
<th>Additional price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Options</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electronic Trip Units</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Versions without ground-fault protection</td>
<td>BB</td>
<td>✓</td>
</tr>
<tr>
<td>ETU15B: Protection functions LI⁴</td>
<td>CB</td>
<td>✓</td>
</tr>
<tr>
<td>ETU25B: Protection functions LSI⁴</td>
<td>EG</td>
<td>✓</td>
</tr>
<tr>
<td>ETU45B: Protection functions LSIN⁴</td>
<td>FB</td>
<td>✓</td>
</tr>
<tr>
<td>ETU45B: Protection functions LSIN⁴ with 4-line display</td>
<td>NB</td>
<td>✓</td>
</tr>
<tr>
<td>ETU76B: Protection functions LSING⁴</td>
<td>DG</td>
<td>✓</td>
</tr>
<tr>
<td>ETU45B: Protection functions LSING⁴ with 4-line display</td>
<td>FG</td>
<td>✓</td>
</tr>
<tr>
<td>ETU76B: Protection functions LSING⁴ with graphics display</td>
<td>NG</td>
<td>✓</td>
</tr>
</tbody>
</table>

### Operating mechanism, auxiliary release, auxiliary switch

| Manual operating mechanism with mechanical closing, without 1st and 2nd auxiliary releases, auxiliary switch 2 NC + 2 NO | 1AA2 | None |

---

¹ Additional price

² The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current.

³ If a lower rated current is required, adaptation by order code on page 1/39.

⁴ Current transformers for protection of the N conductor and current transformers for detection of the ground-fault current in the grounded neutral point of the transformer are to be ordered separately, see page 1/52. The internal current transformers for N conductors can be ordered by adding the supplement "Z" and the order code "F23", see page 1/41.

⁵ ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.

⁶ ETU15B cannot be used with 3WL circuit breakers, size III.
### Air Circuit Breakers

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

#### 4-pole, withdrawable versions

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n,\text{max.}}$</th>
<th>Rated current $I_n$</th>
<th>Breaking capacity $I_{cu} = I_{cs}$</th>
<th>DT</th>
<th>$I_{cu}$ 130/150 kA at 500 V, very high breaking capacity C</th>
</tr>
</thead>
<tbody>
<tr>
<td>II</td>
<td>1600</td>
<td>1600</td>
<td>130</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>4000</td>
<td>4000</td>
<td>130</td>
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<td></td>
</tr>
<tr>
<td>III</td>
<td>5000</td>
<td>5000</td>
<td>130</td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>6300</td>
<td>6300</td>
<td>130</td>
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<td></td>
</tr>
</tbody>
</table>

#### Options

**Non-automatic air circuit breakers**

- Without Electronic Trip Units
- Electronic Trip Units

<table>
<thead>
<tr>
<th>Electronic Trip Units</th>
<th>Versions without ground-fault protection</th>
<th>Versions with ground-fault protection</th>
</tr>
</thead>
</table>
| ETU15B                | Protection functions LI  
BB ETU25B | Protection functions LSI  
CB ETU45B | Protection functions LSIN  
EB ETU45B | Protection functions LSIN with 4-line display  
FB ETU76B | Protection functions LSIN with graphics display  
NB ETU27B | Protection functions LSING  
DG ETU45B | Protection functions LSING with 4-line display  
EG ETU45B | Protection functions LSING with graphics display  
NG ETU76B | Protection functions LSING with graphics display  
NB |

**Operating mechanism, auxiliary release, auxiliary switch**

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

---

1. The rated current is determined by the rating plug. For the standard version, the supplied module is equal to the maximum rated current. If a lower rated current is required, adaptation by order code on page 1/39.
2. Z options which are installed on the guide frame are not available.
3. For permissible rated short-time current $I_{ct}$ and rated short-circuit making capacity $I_{cm}$ for non-automatic air circuit breakers, see page 1/5.

---

Some additional notes:

- ETU15B cannot be used with 3WL circuit breakers, size III.
- 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 1/5.
- The internal current transformers for N conductors can be ordered by adding the supplement “-Z” and the order code “F23”, see page 1/41.
- ETU45B to ETU76B with ground-fault protection module GFM AT (alarm and tripping), see page 1/52.
## Air Circuit Breakers

### Options

#### Selection and ordering data

<table>
<thead>
<tr>
<th>Operating mechanisms</th>
<th>Article No. supplement</th>
<th>Additional price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual operating mechanism with mechanical closing</td>
<td>3WL1... - - - -</td>
<td>None</td>
</tr>
<tr>
<td>Manual operating mechanism with mechanical and electrical closing, closing coil suitable for uninterrupted duty, 100 % OP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50/60 Hz V AC</td>
<td>V DC</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>110 ... 125</td>
<td>2</td>
</tr>
<tr>
<td>230</td>
<td>220</td>
<td>3</td>
</tr>
</tbody>
</table>

| Manual/motorized operating mechanism with mechanical and electrical closing, closing coil suitable for uninterrupted duty, 100 % OP | | |
| Motor | Closing solenoid | |
| 50/60 Hz V AC | V DC | 50/60 Hz V AC | V DC |
| 208 ... 240 | 220 ... 250 | 230 | 220 | 4 | ✓ |
| 110 ... 127 | 110 ... 125 | 110 | 110 ... 125 | 5 | ✓ |
| --          | 24 | -- | 24 | 6 | ✓ |

Note

To order different voltages for motorized operating mechanism and closing solenoid or closing coil for synchronization purposes:
1. Add “1” at the 13th digit of the Article No. and order codes, see page 1/40.

#### 1st auxiliary release

<table>
<thead>
<tr>
<th>Type</th>
<th>Condition</th>
<th>$U_s$ 50/60 Hz V AC</th>
<th>$U_s$ V DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without 1st auxiliary release</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Shunt release suitable for uninterrupted duty, 100 % OP</td>
<td>Operating range 0.85 ... 1.1 × $U_s$</td>
<td>--</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>--</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>--</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td></td>
<td>--</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>110 ... 127</td>
<td>110 ... 125</td>
</tr>
<tr>
<td></td>
<td></td>
<td>208 ... 240</td>
<td>220 ... 250</td>
</tr>
</tbody>
</table>

#### 2nd auxiliary release

<table>
<thead>
<tr>
<th>Type</th>
<th>Condition</th>
<th>$U_s$ 50/60 Hz V AC</th>
<th>$U_s$ V DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without 2nd auxiliary release</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Shunt release suitable for uninterrupted duty, 100 % OP</td>
<td>Operating range 0.85 ... 1.1 × $U_s$</td>
<td>--</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>--</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>--</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td></td>
<td>--</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>110 ... 127</td>
<td>110 ... 125</td>
</tr>
<tr>
<td></td>
<td></td>
<td>208 ... 240</td>
<td>220 ... 250</td>
</tr>
<tr>
<td>Undervoltage release, instantaneous (≤ 80 ms), short-delay (≤ 200 ms)</td>
<td>Operating range 0.85 ... 1.1 × $U_s$</td>
<td>--</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td></td>
<td>--</td>
<td>30</td>
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<tr>
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<td>48</td>
</tr>
<tr>
<td></td>
<td></td>
<td>--</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td>110 ... 127</td>
<td>110 ... 125</td>
</tr>
<tr>
<td></td>
<td></td>
<td>208 ... 240</td>
<td>220 ... 250</td>
</tr>
<tr>
<td></td>
<td></td>
<td>380 ... 415</td>
<td>--</td>
</tr>
<tr>
<td>Undervoltage release, can be delayed between 0.2 s and 3.2 s</td>
<td>Operating range 0.85 ... 1.1 × $U_s$</td>
<td>--</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td></td>
<td>110 ... 127</td>
<td>110 ... 125</td>
</tr>
<tr>
<td></td>
<td></td>
<td>208 ... 240</td>
<td>220 ... 250</td>
</tr>
<tr>
<td></td>
<td></td>
<td>380 ... 415</td>
<td>--</td>
</tr>
</tbody>
</table>

#### Auxiliary switches

| Type | Condition | |
|------|-----------||
| 2 NO + 2 NC | | 2 | None |
| 1st + 2nd auxiliary switch block | | |
| 4 NO + 4 NC | | 4 | ✓ |
| 6 NO + 2 NC | | 7 | ✓ |
| 5 NO + 3 NC | | 8 | ✓ |

✓ Additional price
### Operating manuals

- **Printed version**
  - French/Italian: A 1 1
  - Spanish/Portuguese: A 1 2

### Rated voltage 1000 V AC and 690 V IT networks

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>Additional price 3-pole</th>
<th>Additional price 4-pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Only for circuit breakers with high breaking capacity H (8th digit of the Article No. is a ‘4’). Cannot be combined with “Rated voltage 1150 V AC order code “A15”.</td>
<td>I</td>
<td>Up to 2000 A</td>
<td>A 0 5</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>I</td>
<td>Up to 2000 A</td>
<td>2500 A</td>
<td>A 0 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3200 A</td>
<td>A 0 5</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>Up to 2000 A</td>
<td>4000 A</td>
<td>A 0 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5000 A</td>
<td>A 0 5</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6300 A</td>
<td>A 0 5</td>
<td>✓</td>
</tr>
</tbody>
</table>

### Rated voltage 1150 V AC

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>Additional price 3-pole</th>
<th>Additional price 4-pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Only for circuit breakers with high breaking capacity H (8th digit of the Article No. is a ‘4’). Cannot be combined with “Rated voltage 1000 V AC order code “A05”.</td>
<td>I</td>
<td>Up to 2000 A</td>
<td>A 1 5</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2500 A</td>
<td>A 1 5</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3200 A</td>
<td>A 1 5</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4000 A</td>
<td>A 1 5</td>
<td>✓</td>
</tr>
</tbody>
</table>

### Tinned version of the customer’s connections on the guide frame

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Size</th>
<th>Rated current $I_n$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Only for circuit breakers in withdrawable version with horizontal connection or flange connection. The normal delivery time increases to 15 work days.</td>
<td>I</td>
<td>A 0 8</td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>A 0 8</td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>A 0 8</td>
</tr>
</tbody>
</table>

### Special packaging (moisture protection)

- **Cardboard packaging with water-repellent coating on corrugated cardboard (moisture protection)**: A 6 1

### Rating plugs

<table>
<thead>
<tr>
<th>Conditions</th>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>Additional price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Only one module is possible per circuit breaker (not in conjunction with Electronic Trip Unit ETU15B). As standard the Electronic Trip Units are equipped with a rating plug which is equal to the maximum rated current circuit breaker ($I_{n\text{ max}}$). The rated current of the selected rating plug must be smaller than $I_{n\text{ max}}$.</td>
<td>I, II</td>
<td>250</td>
<td>B 0 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>315</td>
<td>B 0 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400</td>
<td>B 0 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>500</td>
<td>B 0 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>600</td>
<td>B 0 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>800</td>
<td>B 0 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1000</td>
<td>B 1 0</td>
</tr>
<tr>
<td></td>
<td>I, III</td>
<td>1250</td>
<td>B 1 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1600</td>
<td>B 1 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2000</td>
<td>B 2 0</td>
</tr>
<tr>
<td></td>
<td>II, III</td>
<td>2500</td>
<td>B 2 5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3200</td>
<td>B 3 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4000</td>
<td>B 4 0</td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>5000</td>
<td>B 5 0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6300</td>
<td>B 6 3</td>
</tr>
</tbody>
</table>

- 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 possible for circuit breakers with very high breaking capacity C.
3) Not necessary for circuit breakers with very high breaking capacity C as these circuit breakers can be used as standard up to 1150 V AC.
4) Front connections are tinned as standard.
5) The permissible temperature-rise limits according to IEC 60947-2 are 5 K lower for a tin surface than for a silver surface.
### Options

#### Indication/operator control elements, door sealing frames

| 5-digit mechanical operating cycles counter | C 0 1 | ✓ |
| Electrical ON button in the operator panel | Button with sealing cap | C 1 1 | ✓ |
| Possible only for circuit breakers with closing coil. | Key operation with lock CES | C 1 2 | ✓ |
| Storage status signaling switches | 1 NO contact | C 2 0 | ✓ |
| (S21) | 1 NO contact | C 2 2 | ✓ |
| Ready-to-close signaling switches | For the first auxiliary release (S22) | C 2 6 | ✓ |
| (S26) | For the second auxiliary release (S23) | C 2 7 | ✓ |
| Signaling switches | Overexcited, i.e. operating time 50 ms (standard > 80 ms). | 6) Only possible if the 14th position of the Article No. for the circuit breaker is "A", i.e. "without 1st auxiliary release". | ✓ |
| Motor shutdown switch in the operator panel | 7) Overexcited, i.e. operating time 50 ms (standard > 80 ms). | 8) Only possible with option "K07". | ✓ |
| EMERGENCY-STOP pushbuttons | Mushroom pushbutton instead of the mechanical OFF pushbutton | S 2 4 | ✓ |

#### Reclosing lockout and remote resets

| Automatic reset of the reclosing lockout | K 0 1 | ✓ |
| 1st tripped signaling switch | 1 CO contact | K 0 7 | ✓ |
| 2nd tripped signaling switch | 1 NO contact | K 0 6 | ✓ |
| Type | 50/60 Hz V AC | V DC | ✓ |
| Remote reset solenoid for displays and reset buttons including automatic reset of the reclosing lockout | -- | 24 | K 1 0 | ✓ |
| | -- | 48 | K 1 1 | ✓ |
| | 120 | 125 | K 1 2 | ✓ |
| | 208 ... 250 | 208 ... 250 | K 1 3 | ✓ |

#### Motorized operating mechanisms and closing/opening coils

<table>
<thead>
<tr>
<th>Type</th>
<th>Conditions</th>
<th>Motor</th>
<th>Activation coils</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motorized operating mechanism</td>
<td>Only possible if the 13th digit of the Article No. = &quot;1&quot;</td>
<td>50/60 Hz V AC</td>
<td>V DC</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>24 ... 30</td>
<td>M 0 1</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>48 ... 60</td>
<td>M 0 3</td>
</tr>
<tr>
<td></td>
<td>110 ... 127</td>
<td>110 ... 125</td>
<td>M 0 5</td>
</tr>
<tr>
<td></td>
<td>208 ... 240</td>
<td>220 ... 250</td>
<td>M 0 6</td>
</tr>
<tr>
<td>Type</td>
<td>Conditions</td>
<td>Activation coils</td>
<td>50/60 Hz V AC</td>
</tr>
<tr>
<td>Closing coil suitable for uninterrupted duty, 100 % OP</td>
<td>Only possible if the 13th digit of the Article No. = &quot;1&quot;</td>
<td>--</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>30</td>
<td>M 2 2</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>48</td>
<td>M 2 3</td>
</tr>
<tr>
<td></td>
<td>110 ... 127</td>
<td>110 ... 125</td>
<td>M 2 5</td>
</tr>
<tr>
<td></td>
<td>208 ... 240</td>
<td>220 ... 250</td>
<td>M 2 6</td>
</tr>
<tr>
<td>Type</td>
<td>Conditions</td>
<td>Activation coils</td>
<td>50/60 Hz V AC</td>
</tr>
<tr>
<td>Closing coil not suitable for uninterrupted duty, 5 % OP, synchronizable</td>
<td>Only possible if the 13th digit of the Article No. = &quot;1&quot;</td>
<td>--</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>48</td>
<td>M 3 3</td>
</tr>
<tr>
<td></td>
<td>110 ... 127</td>
<td>110 ... 125</td>
<td>M 3 5</td>
</tr>
<tr>
<td></td>
<td>208 ... 240</td>
<td>220 ... 250</td>
<td>M 3 6</td>
</tr>
<tr>
<td>Type</td>
<td>Conditions</td>
<td>Activation coils</td>
<td>50/60 Hz V AC</td>
</tr>
<tr>
<td>Opening coils (shunt release)</td>
<td>Not suitable for uninterrupted duty, 5 % OP, synchronizable</td>
<td>--</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>48</td>
<td>M 4 3</td>
</tr>
<tr>
<td></td>
<td>110 ... 127</td>
<td>110 ... 125</td>
<td>M 4 5</td>
</tr>
<tr>
<td></td>
<td>208 ... 240</td>
<td>220 ... 250</td>
<td>M 4 6</td>
</tr>
</tbody>
</table>

---

1) Only possible with motorized operating mechanism.
2) Not possible with communications interface option, order code "F02" or "F12".
3) Only for 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. operating time 50 ms (standard > 60 ms).
6) Only possible if the 14th position of the Article No. for the circuit breaker is "A", i.e. "without 1st auxiliary release".
7) Overexcited, i.e. operating time 50 ms (standard > 80 ms).
8) Only possible with option "K07".
### Options

<table>
<thead>
<tr>
<th>Options Description</th>
<th>Article No.</th>
<th>Additional Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interlocks, covers, position signaling switches (for fixed-mounted version)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mutual mechanical interlockings (interlocking module with Bowden wire 2 m)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fixed-mounted circuit breakers</td>
<td>S 5 5</td>
<td>✓</td>
</tr>
<tr>
<td>Interlocks, covers, position signaling switches (for withdrawable version)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mutual mechanical interlockings (interlocking module with Bowden wire 2 m)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Version</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For withdrawable circuit breakers with guide frame</td>
<td>R 5 5</td>
<td>✓</td>
</tr>
<tr>
<td>For guide frames</td>
<td>R 5 6</td>
<td>✓</td>
</tr>
<tr>
<td>For withdrawable circuit breakers</td>
<td>R 5 7</td>
<td>✓</td>
</tr>
<tr>
<td>Arc chute covers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mutual mechanical interlockings (interlocking module with Bowden wire 2 m)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of poles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-pole</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 1000 V version (order code &quot;A05&quot;)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- DC version</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 4000 A size II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 1150 V version (order code &quot;A15&quot;)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 130 kA version, size II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 150 kA version, size III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-pole</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 1000 V version (order code &quot;A05&quot;)</td>
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</tr>
<tr>
<td>- DC version</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 4000 A size II</td>
<td></td>
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</tr>
<tr>
<td>- 1150 V version (order code &quot;A15&quot;)</td>
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</tr>
<tr>
<td>- 130 kA version, size II</td>
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<td></td>
</tr>
<tr>
<td>- 150 kA version, size III</td>
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<tr>
<td>Shutters</td>
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<tr>
<td>2-part lockable with padlocks 1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of poles</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-pole</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 1000 V version (order code &quot;A05&quot;)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- DC version</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 4000 A size II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 1150 V version (order code &quot;A15&quot;)</td>
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<td></td>
</tr>
<tr>
<td>- 130 kA version, size II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 150 kA version, size III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-pole</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 1000 V version (order code &quot;A05&quot;)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- DC version</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 4000 A size II</td>
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<tr>
<td>- 1150 V version (order code &quot;A15&quot;)</td>
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<td></td>
</tr>
<tr>
<td>- 130 kA version, size II</td>
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</tr>
<tr>
<td>- 150 kA version, size III</td>
<td></td>
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</tr>
<tr>
<td>Position signaling switches for guide frames</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connected position</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test position</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Disconnected position</td>
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<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>1 CO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 CO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 CO</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>1 CO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication and measurement functions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Breaker status sensor (BSS)</td>
<td>F 0 1</td>
<td>✓</td>
</tr>
<tr>
<td>PROFIBUS-DP communications interface 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Including COM15 and breaker status sensor (BSS)</td>
<td>F 0 2</td>
<td>✓</td>
</tr>
<tr>
<td>MODBUS-RTU communications interface 2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Including COM16 and breaker status sensor (BSS)</td>
<td>F 1 2</td>
<td>✓</td>
</tr>
<tr>
<td>Measurement function Plus (without PROFIBUS/MODBUS communications interface) 3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overload and short-circuit protection for neutral conductors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Internal current transformer for N conductor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Only possible with 4-pole circuit breakers with ETU27B to ETU76B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMC filters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Common-mode interference suppressor filters (e.g. in IT networks, caused by frequency converters)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Insertion loss (asymmetric) in the range 40 kHz to 10 MHz &gt;40 dB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Additional price</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) Padlocks not included in scope of supply.
2) If ordering withdrawable circuit breaker and guide frame separately, specify order code "F92" or "F12" for withdrawable circuit breaker only.
3) Additional voltage transformers are required for connection of the measurement function Plus, see page 1/61.
### Air Circuit Breakers
3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

#### Options

<table>
<thead>
<tr>
<th>Options Description</th>
<th>Additional price</th>
<th>Made by CES</th>
<th>Made by IKON</th>
<th>Made by Ronis</th>
<th>Made by Profalux</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locking devices (for fixed-mounted versions and withdrawable versions)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locking devices against unauthorized closing, in the operator panels</td>
<td>Version</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The disconnector unit fulfills the requirements for main circuit breakers according to EN 60204-1</td>
<td>Made by CES</td>
<td>S 0 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Made by IKON</td>
<td>S 0 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assembly kit FORTRESS or Castell</td>
<td>S 0 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assembly kit for padlocks</td>
<td>S 0 7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Made by Ronis</td>
<td>S 0 8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Made by Profalux</td>
<td>S 0 9</td>
<td></td>
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</tr>
<tr>
<td>EMERGENCY-STOP pushbuttons</td>
<td>Mushroom pushbutton instead of the mechanical OFF pushbutton</td>
<td>S 2 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locking devices (for operating mechanism handles with padlock)</td>
<td></td>
<td>S 3 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locking devices (for withdrawable version)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locking devices against unauthorized closing, for withdrawable circuit breakers</td>
<td>Version</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The disconnector unit fulfills the requirements for main circuit breakers acc. to EN 60204-1, consisting of a lock in the cabinet door, active in the connected position, function is retained when circuit breaker is replaced. Not possible in combination with order code 'R81', 'R85' or 'R86'.</td>
<td>Made by CES</td>
<td>R 6 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Made by Ronis</td>
<td>R 6 8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Made by Profalux</td>
<td>R 6 0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locking devices to prevent movement of the withdrawable circuit breakers</td>
<td>Version</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Safety lock for mounting on the circuit breaker</td>
<td>Made by CES</td>
<td>S 7 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Made by Ronis</td>
<td>S 7 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Made by Profalux</td>
<td>S 7 6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locking mechanisms (for fixed-mounted versions)</td>
<td>To prevent opening of the cabinet door in ON position</td>
<td>S 3 0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locking devices (for withdrawable version)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locking mechanisms to prevent movement of the withdrawable circuit breakers in disconnected position, consisting of Bowden wire and lock in the cabinet door</td>
<td>Version</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not possible in combination with order code 'R30', 'R50', 'R61', 'R85' or 'R86'.</td>
<td>Made by CES</td>
<td>R 8 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Made by Ronis</td>
<td>R 8 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Made by Profalux</td>
<td>R 8 6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connection methods for auxiliary conductors (for fixed-mounted and withdrawable versions)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Connections for screwless terminals (tension spring)</td>
<td>Version</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fixed-mounted</td>
<td>N 6 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Withdrawable</td>
<td>P 6 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional price

1) Locks must be ordered from the manufacturer.
2) Padlock not included in the scope of supply.
Options

### Air Circuit Breakers

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

---

**For withdrawable circuit breakers with guide frames or for guide frames**

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

<table>
<thead>
<tr>
<th>Connection methods for main connections</th>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>Additional price 3-pole</th>
<th>Additional price 4-pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top and bottom: accessible from front, single hole</td>
<td>I</td>
<td>Up to 1600 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>Up to 2000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>Up to 4000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Top and bottom: accessible from front, double hole</td>
<td>I</td>
<td>Up to 2000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>Up to 2500 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>Up to 4000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Top: horizontal</td>
<td>I</td>
<td>Up to 1600 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Bottom: connecting flange</td>
<td>II</td>
<td>Up to 2000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>Up to 4000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Top: horizontal</td>
<td>I</td>
<td>Up to 2000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Bottom: connecting flange</td>
<td>II</td>
<td>Up to 2500 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>Up to 4000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Top: horizontal</td>
<td>I</td>
<td>Up to 2000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Bottom: connecting flange</td>
<td>II</td>
<td>Up to 2500 A</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

---

**Note**

To select this connection method the 12th digit of the Article No. for the circuit breaker must be a “6”.

---

**Connection methods for main connections**

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

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

---

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### Options

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

### For fixed-mounted circuit breakers

#### Note

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

<table>
<thead>
<tr>
<th>Connection methods for main connections</th>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>3-pole</th>
<th>4-pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top: 1) horizontal</td>
<td>I</td>
<td>Up to 1600 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Bottom: accessible from front,</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>single hole</td>
<td>II</td>
<td>Up to 2000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Up to 2500 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Up to 3200 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>II[2)</td>
<td></td>
<td>Up to 4000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Connection methods for main connections</th>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>3-pole</th>
<th>4-pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top: vertical</td>
<td>I</td>
<td>Up to 1600 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Bottom: horizontal</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>Up to 2000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Up to 2500 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Up to 3200 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>Up to 4000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Up to 5000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Connection methods for main connections</th>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>3-pole</th>
<th>4-pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top: horizontal</td>
<td>I</td>
<td>Up to 1600 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Bottom: vertical</td>
<td></td>
<td></td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>Up to 2000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Up to 2500 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Up to 3200 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>Up to 4000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Up to 5000 A</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

✓ Additional price

1) Not for 3WL size I with high breaking capacity H and circuit breakers with very high breaking capacity C.

2) Not for size III with very high breaking capacity C.
### Overview

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

- **This selection is only required if the guide frame is ordered under a separate Article No.**
- **The required number of auxiliary supply connectors depends on the:**
  - Operating mechanism type
  - Electronic Trip Unit with/without current transformer
  - Type and number of auxiliary releases
  - Number of auxiliary switches
  - COM15/COM16 communication interface

<table>
<thead>
<tr>
<th></th>
<th>Number of auxiliary supply connectors</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>The first auxiliary supply connector X6 is always required.</td>
<td>1</td>
</tr>
<tr>
<td>b1</td>
<td>Operating mechanisms</td>
<td>0</td>
</tr>
<tr>
<td>b2</td>
<td>Operating mechanism with stored-energy feature with mechanical and electrical closing</td>
<td>+1</td>
</tr>
<tr>
<td>b3</td>
<td>Manual/motorized operating mechanism with stored-energy feature with mechanical and electrical closing</td>
<td>+1</td>
</tr>
<tr>
<td>c1</td>
<td>Electronic Trip Units</td>
<td>0</td>
</tr>
<tr>
<td>c2</td>
<td>Electronic Trip Units ETU15B, ETU25B, ETU27B</td>
<td>+1</td>
</tr>
<tr>
<td>c3</td>
<td>Current transformer installed in the N conductor (required with 3-pole circuit breakers if c2 is not selected)</td>
<td>+1</td>
</tr>
<tr>
<td>c4</td>
<td>Current transformer in the neutral point of the transformer (required if c2 or c3 is not selected)</td>
<td>+1</td>
</tr>
<tr>
<td>d1</td>
<td>Auxiliary releases</td>
<td>0</td>
</tr>
<tr>
<td>d2</td>
<td>2nd auxiliary release (shunt release F2, undervoltage release F3, delayable undervoltage release F4)</td>
<td>+1</td>
</tr>
<tr>
<td>e1</td>
<td>Auxiliary switch blocks</td>
<td>0</td>
</tr>
<tr>
<td>e2</td>
<td>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)</td>
<td>+1</td>
</tr>
<tr>
<td>f1</td>
<td>Communication modules</td>
<td>0</td>
</tr>
<tr>
<td>f2</td>
<td>Without communication module COM15/COM16 – occupies the entire terminal strip X7, making the following options no longer possible:</td>
<td>+1</td>
</tr>
<tr>
<td></td>
<td>• Tripped signal switch S24</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Stored-energy status indicator S21</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Electrical ON button S10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Signaling switch on first and second auxiliary release S22 + S23</td>
<td></td>
</tr>
<tr>
<td>g1</td>
<td>Optional signals/accessories</td>
<td>+1</td>
</tr>
<tr>
<td>g2</td>
<td>Tripped signal switch S24 (only when f2 not selected)</td>
<td>+1</td>
</tr>
<tr>
<td>g3</td>
<td>Stored-energy status indicator S21 (only when f2 not selected, required if g1 not selected)</td>
<td>+1</td>
</tr>
<tr>
<td>g4</td>
<td>Electric ON button S10 (only when f2 not selected, required if g1 or g2 not selected)</td>
<td>+1</td>
</tr>
<tr>
<td>g5</td>
<td>Signaling switch at first auxiliary release S22 (only when f2 not selected, required if g1, g2 or g3 not selected)</td>
<td>+1</td>
</tr>
<tr>
<td>g6</td>
<td>Signaling switch at second auxiliary release S23 (only when f2 not selected, required if g1, g2, g3 or g4 not selected)</td>
<td>+1</td>
</tr>
<tr>
<td>g7</td>
<td>Switch on ready-to-close signaling switch S20</td>
<td>0</td>
</tr>
<tr>
<td>g8</td>
<td>Switch on ready-to-close signaling switch S20</td>
<td>0</td>
</tr>
<tr>
<td>g9</td>
<td>Motor shutdown switch S12 (only if motorized operating mechanism selected)</td>
<td>0</td>
</tr>
<tr>
<td>g10</td>
<td>Remote reset solenoid F7 (required if c2 not selected)</td>
<td>+1</td>
</tr>
</tbody>
</table>

**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 1/46 to 1/51 and under "Accessories and spare parts, Auxiliary conductor connections, Auxiliary supply connectors", page 1/57.
### Selection and ordering data

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

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{	ext{max}}$</th>
<th>Breaking capacity $I_{	ext{cu}} = I_{	ext{cs}}$</th>
<th>DT</th>
<th>Guide frames for 3-pole circuit breakers/non-automatic air circuit breakers</th>
<th>PU (UNIT, SET, M)</th>
<th>PS* P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3WL9211-1AA-xxxxA1</td>
<td>1 1 unit 103</td>
<td>25.000</td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1000</td>
<td>... 66</td>
<td></td>
<td></td>
<td>3WL9211-1AA-xxxxA1</td>
<td>1 1 unit 103</td>
<td>25.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1600</td>
<td>... 66</td>
<td></td>
<td></td>
<td>3WL9211-1AA-xxxxA1</td>
<td>1 1 unit 103</td>
<td>25.000</td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>2000</td>
<td>... 100</td>
<td></td>
<td></td>
<td>3WL9212-3AA-xxxxA1</td>
<td>1 1 unit 103</td>
<td>31.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2500</td>
<td>... 100</td>
<td></td>
<td></td>
<td>3WL9212-4AA-xxxxA1</td>
<td>1 1 unit 103</td>
<td>39.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3200</td>
<td>... 100</td>
<td></td>
<td></td>
<td>3WL9212-5AA-xxxxA1</td>
<td>1 1 unit 103</td>
<td>45.000</td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>4000</td>
<td>... 100</td>
<td></td>
<td></td>
<td>3WL9213-6AA-xxxxA1</td>
<td>1 1 unit 103</td>
<td>60.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3WL9213-6AA-xxxxA1</td>
<td>1 1 unit 103</td>
<td>60.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3WL9213-6AA-xxxxA1</td>
<td>1 1 unit 103</td>
<td>60.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3WL9213-6AA-xxxxA1</td>
<td>1 1 unit 103</td>
<td>60.000</td>
<td></td>
</tr>
</tbody>
</table>

#### Front main circuit connection, single hole

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{	ext{max}}$</th>
<th>Breaking capacity $I_{	ext{cu}} = I_{	ext{cs}}$</th>
<th>DT</th>
<th>Guide frames for 3-pole circuit breakers/non-automatic air circuit breakers</th>
<th>PU (UNIT, SET, M)</th>
<th>PS* P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>1000</td>
<td>... 66</td>
<td></td>
<td></td>
<td>3WL9211-1AB-xxxxA1</td>
<td>1 1 unit 103</td>
<td>25.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1600</td>
<td>... 66</td>
<td></td>
<td></td>
<td>3WL9211-1AB-xxxxA1</td>
<td>1 1 unit 103</td>
<td>25.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2000</td>
<td>... 85</td>
<td></td>
<td></td>
<td>3WL9211-1AB-xxxxA1</td>
<td>1 1 unit 103</td>
<td>25.000</td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>2000</td>
<td>... 100</td>
<td></td>
<td></td>
<td>3WL9212-3AB-xxxxA1</td>
<td>1 1 unit 103</td>
<td>31.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2500</td>
<td>... 100</td>
<td></td>
<td></td>
<td>3WL9212-4AB-xxxxA1</td>
<td>1 1 unit 103</td>
<td>39.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3200</td>
<td>... 100</td>
<td></td>
<td></td>
<td>3WL9212-5AB-xxxxA1</td>
<td>1 1 unit 103</td>
<td>45.000</td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>4000</td>
<td>... 100</td>
<td></td>
<td></td>
<td>3WL9213-6AB-xxxxA1</td>
<td>1 1 unit 103</td>
<td>60.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3WL9213-6AB-xxxxA1</td>
<td>1 1 unit 103</td>
<td>60.000</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3WL9213-6AB-xxxxA1</td>
<td>1 1 unit 103</td>
<td>60.000</td>
<td></td>
</tr>
</tbody>
</table>

#### Front main circuit connection, double hole

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{	ext{max}}$</th>
<th>Breaking capacity $I_{	ext{cu}} = I_{	ext{cs}}$</th>
<th>DT</th>
<th>Guide frames for 3-pole circuit breakers/non-automatic air circuit breakers</th>
<th>PU (UNIT, SET, M)</th>
<th>PS* P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>1000</td>
<td>... 66</td>
<td></td>
<td></td>
<td>3WL9211-1AC-xxxxA1</td>
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<td>3WL9212-4AC-xxxxA1</td>
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<td></td>
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<td>1 1 unit 103</td>
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<td>3WL9213-7AC-xxxxA1</td>
<td>1 1 unit 103</td>
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<td>3WL9213-6AC-xxxxC1</td>
<td>1 1 unit 103</td>
<td>63.000</td>
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#### Options

**Number of auxiliary supply connectors**

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<th>Additional price</th>
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<tr>
<td>1 connector</td>
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</tr>
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<td>2 connectors</td>
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<td>3 connectors</td>
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<td>4 connectors</td>
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**Type of auxiliary circuit connections**

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<thead>
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<th>Additional price</th>
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<td>0</td>
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<tr>
<td>With screw connection</td>
<td>1</td>
</tr>
<tr>
<td>(SIGUT, standard)</td>
<td></td>
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<tr>
<td>With screwless connection method</td>
<td>2</td>
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<tr>
<td>(tension spring)</td>
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**Position signaling switches**

<table>
<thead>
<tr>
<th>Position signaling switches</th>
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<tr>
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<tr>
<td>Option 1:</td>
<td>1</td>
</tr>
<tr>
<td>Connected position 1 CO,</td>
<td></td>
</tr>
<tr>
<td>test position 1 CO,</td>
<td></td>
</tr>
<tr>
<td>disconnected position 1 CO</td>
<td></td>
</tr>
<tr>
<td>Option 2:</td>
<td>2</td>
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<tr>
<td>Connected position 3 CO,</td>
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<tr>
<td>test position 2 CO,</td>
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<tr>
<td>disconnected position 1 CO</td>
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**Shutters**

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<tr>
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<td>A</td>
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<tr>
<td>With shutter, 2-part, lockable</td>
<td>B</td>
</tr>
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</table>

Note: Additional price

For required number of auxiliary supply connectors, see table on page 1/45.

Additional data: For 3WL circuit breakers size I from 630 A to 2000 A with high breaking capacity H and 3WL circuit breakers size I with rated current $I_{n} = 2000$ A.
<table>
<thead>
<tr>
<th>Rated voltage 1000 V AC and 690 V IT networks</th>
<th>Additional price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size I (breaking capacity H)</td>
<td>A 0 5</td>
</tr>
<tr>
<td>Size II, except breaking capacity C and 4000 A (breaking capacity H)</td>
<td>A 0 5</td>
</tr>
<tr>
<td>Size III, not necessary with circuit breakers with very high breaking capacity</td>
<td>A 0 5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rated voltage 1150 V AC</th>
<th>Additional price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size I (breaking capacity H)</td>
<td>A 1 5</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Rated voltage 690 V AC (+20 %)</th>
<th>Additional price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size I (breaking capacity H)</td>
<td>A 1 6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tinned version of the customer’s connections on guide frame</th>
<th>Additional price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Only for guide frames with horizontal connection or flange connection</td>
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</tr>
</tbody>
</table>

| Size I | A 0 8    |
| Size II| A 0 8    |
| Size III| A 0 8    |

Notes:
- 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 1/39 to 1/44.

✓ 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.
### Accessories and spare parts

#### Guide frames for 3-pole circuit breakers

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n,\text{max}}$ A</th>
<th>Breaking capacity $I_{cu} = I_{c}$ kA</th>
<th>DT</th>
<th>Article No.</th>
<th>Basic price per PU (UNIT, P unit)</th>
<th>Additional price</th>
<th>Weight per PU (approx.) kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>1000</td>
<td>... 66</td>
<td>3WL9211-1ADC□□□□□□□A1</td>
<td>1 1 unit 103</td>
<td>25.000</td>
<td>✓</td>
<td>2000</td>
</tr>
<tr>
<td></td>
<td>1600</td>
<td>... 66</td>
<td>3WL9211-2ADC□□□□□□□A1</td>
<td>1 1 unit 103</td>
<td>25.000</td>
<td>✓</td>
<td>2000</td>
</tr>
<tr>
<td></td>
<td>2000 (1)</td>
<td>... 85</td>
<td>3WL9211-3ADC□□□□□□□A1</td>
<td>1 1 unit 103</td>
<td>25.000</td>
<td>✓</td>
<td>2000</td>
</tr>
<tr>
<td>II</td>
<td>2000</td>
<td>... 100</td>
<td>3WL9212-3ADC□□□□□□□A1</td>
<td>1 1 unit 103</td>
<td>31.000</td>
<td>✓</td>
<td>4000</td>
</tr>
<tr>
<td></td>
<td>2500</td>
<td>... 100</td>
<td>3WL9212-4ADC□□□□□□□A1</td>
<td>1 1 unit 103</td>
<td>39.000</td>
<td>✓</td>
<td>4000</td>
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<tr>
<td></td>
<td>3200</td>
<td>... 100</td>
<td>3WL9212-5ADC□□□□□□□A1</td>
<td>1 1 unit 103</td>
<td>45.000</td>
<td>✓</td>
<td>4000</td>
</tr>
<tr>
<td></td>
<td>3200 (1)</td>
<td>... 130</td>
<td>3WL9212-5ADC□□□□□□□C1</td>
<td>1 1 unit 103</td>
<td>54.000</td>
<td>✓</td>
<td>4000</td>
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<tr>
<td>III</td>
<td>4000</td>
<td>... 100</td>
<td>3WL9213-6ADC□□□□□□□A1</td>
<td>1 1 unit 103</td>
<td>60.000</td>
<td>✓</td>
<td>4000</td>
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<tr>
<td></td>
<td>5000</td>
<td>... 100</td>
<td>3WL9213-7ADC□□□□□□□A1</td>
<td>1 1 unit 103</td>
<td>60.000</td>
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<td>6300</td>
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<td>3WL9213-8ADC□□□□□□□A1</td>
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<td>1 1 unit 103</td>
<td>60.000</td>
<td>✓</td>
<td>4000</td>
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#### Main circuit connection connecting flanges

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n,\text{max}}$ A</th>
<th>Breaking capacity $I_{cu} = I_{c}$ kA</th>
<th>DT</th>
<th>Article No.</th>
<th>Basic price per PU (UNIT, P unit)</th>
<th>Additional price</th>
<th>Weight per PU (approx.) kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
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<td>... 66</td>
<td>3WL9211-1AE□□□□□□□A1</td>
<td>1 1 unit 103</td>
<td>25.000</td>
<td>✓</td>
<td>2000</td>
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<tr>
<td></td>
<td>1600</td>
<td>... 66</td>
<td>3WL9211-2AE□□□□□□□A1</td>
<td>1 1 unit 103</td>
<td>25.000</td>
<td>✓</td>
<td>2000</td>
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<td></td>
<td>2000 (1)</td>
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<td>1 1 unit 103</td>
<td>25.000</td>
<td>✓</td>
<td>2000</td>
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<td>... 100</td>
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<td>1 1 unit 103</td>
<td>31.000</td>
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<td>4000</td>
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<td>2500</td>
<td>... 100</td>
<td>3WL9212-4AE□□□□□□□A1</td>
<td>1 1 unit 103</td>
<td>39.000</td>
<td>✓</td>
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<td>1 1 unit 103</td>
<td>45.000</td>
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#### Main circuit connection connecting flanges

<table>
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<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n,\text{max}}$ A</th>
<th>Breaking capacity $I_{cu} = I_{c}$ kA</th>
<th>DT</th>
<th>Article No.</th>
<th>Basic price per PU (UNIT, P unit)</th>
<th>Additional price</th>
<th>Weight per PU (approx.) kg</th>
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<tbody>
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#### Accessories and spare parts

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<td>2 connectors</td>
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<tr>
<td>3 connectors</td>
<td>3</td>
</tr>
<tr>
<td>4 connectors</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Notes

- For required number of auxiliary supply connectors, see table on page 1/45.
- 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 1/39 to 1/44.

---

### Air Circuit Breakers

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

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

### Accessories and spare parts

- Vertical main circuit connection
- Main circuit connection connecting flanges
- Options
- Add "-Z" to the complete Article No. and indicate the appropriate order code(s).
- Rated voltage 1000 V AC and 690 V IT networks
- Rated voltage 1150 V AC
- Rated voltage 690 V AC (IEC 60947-2)
- Tinned version of the customer’s connections on guide frame

*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), IEC

### Accessories and spare parts

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{\text{max}}$ A</th>
<th>Breaking capacity $I_{\text{cu}} = I_{\text{cs}}$ kA</th>
<th>DT</th>
<th>Guide frames for 4-pole circuit breakers/ non-automatic air circuit breakers</th>
<th>Article No.</th>
<th>Basic price per PU (UNIT, SET, M)</th>
<th>PU</th>
<th>PS*/P unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
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<td></td>
<td></td>
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<tr>
<td>I</td>
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<td>... 66</td>
<td>3WL9211-1BA□□□□□□A1</td>
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<td>1 unit 103 30.000</td>
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</tr>
<tr>
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<td>1600</td>
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<td>3WL9211-2BA□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 30.000</td>
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<td></td>
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</tr>
<tr>
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<td>1 unit 103 37.000</td>
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<td>1 unit 103 54.000</td>
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<td>Front main circuit connection, double hole</td>
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<td>1 unit 103 30.000</td>
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<td>1 unit 103 30.000</td>
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<td>3WL9212-3BB□□□□□□A1</td>
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<td>1 unit 103 37.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2500</td>
<td>... 100</td>
<td>3WL9212-4BB□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 47.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3200</td>
<td>... 100</td>
<td>3WL9212-5BB□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 54.000</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>3200</td>
<td>... 130</td>
<td>3WL9212-5BC□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 65.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>4000</td>
<td>3WL9213-6BB□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 84.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Horizontal main circuit connection</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>1000</td>
<td>... 66</td>
<td>3WL9211-1BC□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 30.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1600</td>
<td>... 66</td>
<td>3WL9211-2BC□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 30.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2000</td>
<td>100</td>
<td>3WL9212-3BC□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 37.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2500</td>
<td>... 100</td>
<td>3WL9212-4BC□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 47.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3200</td>
<td>... 100</td>
<td>3WL9212-5BC□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 54.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3200</td>
<td>... 130</td>
<td>3WL9212-5BC□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 65.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>4000</td>
<td>3WL9213-6BC□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 84.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5000</td>
<td>... 100</td>
<td>3WL9213-7BC□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 84.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5000</td>
<td>... 130</td>
<td>3WL9213-7BC□□□□□□A1</td>
<td>1</td>
<td>1 unit 103 87.000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Options

<table>
<thead>
<tr>
<th>Options</th>
<th>Additional price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of auxiliary supply connectors</td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>1 connector</td>
<td>1 ✓</td>
</tr>
<tr>
<td>2 connectors</td>
<td>2 ✓</td>
</tr>
<tr>
<td>3 connectors</td>
<td>3 ✓</td>
</tr>
<tr>
<td>4 connectors</td>
<td>4 ✓</td>
</tr>
</tbody>
</table>

For required number of auxiliary supply connectors, see table on page 1/45.

<table>
<thead>
<tr>
<th>Type of auxiliary circuit connections</th>
<th>None</th>
<th>0</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>With screw connection (SIGUT, standard)</td>
<td>1 ✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>With screwless connection method (tension spring)</td>
<td>2 ✓</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Position signaling switches</th>
<th>None</th>
<th>0</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO</td>
<td>1 ✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO</td>
<td>2 ✓</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shutters</th>
<th>None</th>
<th>A</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>With shutter, 2-part, lockable</td>
<td>Size I</td>
<td>B</td>
<td>✓</td>
</tr>
<tr>
<td>Size II</td>
<td>B</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Size III</td>
<td>B</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

✓ Additional price

1) For 3WL circuit breakers size I from 630 A to 2000 A with high breaking capacity H and 3WL circuit breakers size I with rated current $I_{\text{n}} = 2000$ A.
## Accessories and spare parts

<table>
<thead>
<tr>
<th></th>
<th>3WL921-......-Z</th>
<th>Additional price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rated voltage 1000 V AC and 690 V IT networks</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size I (breaking capacity H)</td>
<td>A 0 5</td>
<td>✓</td>
</tr>
<tr>
<td>Size II, except breaking capacity C and 4000 A (breaking capacity H)</td>
<td>A 0 5</td>
<td>✓</td>
</tr>
<tr>
<td>Size III, not necessary with circuit breakers with very high breaking capacity</td>
<td>A 0 5</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Rated voltage 1150 V AC</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size II, except breaking capacity C and 4000 A (breaking capacity H)</td>
<td>A 1 5</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Rated voltage 690 V AC (+ 20 %)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size I (breaking capacity H)</td>
<td>A 1 5</td>
<td>✓</td>
</tr>
</tbody>
</table>

**Tinned version of the customer's connections on guide frame**
1) Only for guide frames with horizontal connection or flange connection

|                  | A 0 8           | ✓                |
| Size I           |                 |                  |
| Size II          |                 |                  |
| Size III         |                 |                  |

**Notes**
- 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 1/39 to 1/44.

✓ 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.
### Accessories and spare parts

#### Guide frames for 4-pole circuit breakers

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{\text{max}}$ A</th>
<th>Breaking capacity $I_{\text{cu}}$, $I_{\text{cu}}$, kA</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>1000</td>
<td>... 66</td>
</tr>
<tr>
<td></td>
<td>1600</td>
<td>... 66</td>
</tr>
<tr>
<td></td>
<td>2000 (1)</td>
<td>... 85</td>
</tr>
<tr>
<td>II</td>
<td>2000</td>
<td>... 100</td>
</tr>
<tr>
<td></td>
<td>2500</td>
<td>... 100</td>
</tr>
<tr>
<td></td>
<td>3200</td>
<td>... 100</td>
</tr>
<tr>
<td></td>
<td>3200 (2)</td>
<td>... 130</td>
</tr>
<tr>
<td></td>
<td>4000</td>
<td>... 100</td>
</tr>
<tr>
<td>III</td>
<td>4000</td>
<td>... 100</td>
</tr>
<tr>
<td></td>
<td>5000</td>
<td>... 100</td>
</tr>
<tr>
<td></td>
<td>6300</td>
<td>... 100</td>
</tr>
<tr>
<td></td>
<td>4000</td>
<td>... 130</td>
</tr>
<tr>
<td></td>
<td>5000</td>
<td>... 130</td>
</tr>
<tr>
<td></td>
<td>6300</td>
<td>... 130</td>
</tr>
</tbody>
</table>

#### Main circuit connection connecting flanges

<table>
<thead>
<tr>
<th>Size</th>
<th>Number of auxiliary supply connectors</th>
<th>Type of auxiliary circuit connections</th>
<th>Position signaling switches</th>
<th>Shutter</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>0</td>
<td>None</td>
<td>None</td>
<td>B</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>1 connector</td>
<td>With screw connection (SIGUT; standard)</td>
<td>Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>2 connectors</td>
<td></td>
<td>None</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3 connectors</td>
<td></td>
<td>None</td>
<td>A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 connectors</td>
<td></td>
<td>None</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

#### Rated voltage

**1000 V AC and 690 V IT networks**

- Size I (breaking capacity H): A 0 5
- Size II, except breaking capacity C and 4000 A (breaking capacity H): A 0 5
- Size III, not necessary with circuit breakers with very high breaking capacity: A 0 5

**1150 V AC**

- Size II, except breaking capacity C and 4000 A (breaking capacity H): A 1 5

**690 V AC (+20%)**

- Size I (breaking H): A 1 5

#### Tinned version of the customer’s connections on guide frame

- Only for guide frames with horizontal connection or flange connection

<table>
<thead>
<tr>
<th>Size</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>⚫ Additional price</td>
</tr>
<tr>
<td>II</td>
<td>✓</td>
</tr>
<tr>
<td>III</td>
<td>✓</td>
</tr>
</tbody>
</table>

Additional price for 3WL circuit breakers size I from 630 A to 2000 A with high breaking capacity H and 3WL circuit breakers size I with rated current $I_{\text{cu}} = 2000$ A.
### Accessories and spare parts

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT Article No.</th>
<th>Price per PU (UNIT, SET, M)</th>
<th>PG Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AA0-0AA1</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Protective devices with device holder and optional measurement function

<table>
<thead>
<tr>
<th>Type</th>
<th>With protection function</th>
<th>Measuring function</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETU15B</td>
<td>L</td>
<td>Without</td>
</tr>
<tr>
<td>ETU25B</td>
<td>LS</td>
<td>Without</td>
</tr>
<tr>
<td>ETU27B</td>
<td>LSING</td>
<td>Without</td>
</tr>
<tr>
<td>ETU45B</td>
<td>(without display)</td>
<td>LSIN(G)</td>
</tr>
<tr>
<td>ETU76B</td>
<td>LSIN(G)</td>
<td>Without</td>
</tr>
</tbody>
</table>

#### Rating plugs

<table>
<thead>
<tr>
<th>Size</th>
<th>Rated current $I_n$ (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>I, II</td>
<td>250</td>
</tr>
<tr>
<td>315</td>
<td>3WL9111-0AA52-0AA0</td>
</tr>
<tr>
<td>400</td>
<td>3WL9111-0AA53-0AA0</td>
</tr>
<tr>
<td>500</td>
<td>3WL9111-0AA54-0AA0</td>
</tr>
<tr>
<td>630</td>
<td>3WL9111-0AA55-0AA0</td>
</tr>
<tr>
<td>800</td>
<td>3WL9111-0AA56-0AA0</td>
</tr>
<tr>
<td>1000</td>
<td>3WL9111-0AA57-0AA0</td>
</tr>
<tr>
<td>I, II, III</td>
<td>1250</td>
</tr>
<tr>
<td>1600</td>
<td>3WL9111-0AA62-0AA0</td>
</tr>
<tr>
<td>2000</td>
<td>3WL9111-0AA63-0AA0</td>
</tr>
<tr>
<td>II, III</td>
<td>2500</td>
</tr>
<tr>
<td>3200</td>
<td>3WL9111-0AA65-0AA0</td>
</tr>
<tr>
<td>4000</td>
<td>3WL9111-0AA66-0AA0</td>
</tr>
<tr>
<td>III</td>
<td>5000</td>
</tr>
<tr>
<td>6300</td>
<td>3WL9111-0AA68-0AA0</td>
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</table>

#### Ground-fault modules

<table>
<thead>
<tr>
<th>Versions</th>
</tr>
</thead>
<tbody>
<tr>
<td>• GFM AT 45B (only for ETU45B) alarm and tripping</td>
</tr>
<tr>
<td>• GFM AT 55B–76B (only for ETU76B) alarm and tripping</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Displays</th>
</tr>
</thead>
<tbody>
<tr>
<td>• For ETU45B</td>
</tr>
<tr>
<td>• 4-line</td>
</tr>
</tbody>
</table>

#### Internal current transformers for N conductor

Including wiring kit

<table>
<thead>
<tr>
<th>ETU Release 2</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>--</td>
<td>I</td>
</tr>
<tr>
<td>--</td>
<td>II</td>
</tr>
<tr>
<td>--</td>
<td>III</td>
</tr>
<tr>
<td>✔</td>
<td>I</td>
</tr>
<tr>
<td>✔</td>
<td>II</td>
</tr>
<tr>
<td>✔</td>
<td>III</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Copper connection pieces</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>--</td>
<td>I</td>
</tr>
<tr>
<td>--</td>
<td>II</td>
</tr>
<tr>
<td>--</td>
<td>III</td>
</tr>
<tr>
<td>✔</td>
<td>I</td>
</tr>
<tr>
<td>✔</td>
<td>II</td>
</tr>
<tr>
<td>✔</td>
<td>III</td>
</tr>
</tbody>
</table>

#### External current transformers for N conductor


<table>
<thead>
<tr>
<th>3WL9111-0AAT81-0AA0</th>
</tr>
</thead>
</table>

#### EMC filters

- 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

<table>
<thead>
<tr>
<th>Versions</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Not for ETU Release 2</td>
</tr>
<tr>
<td>• Only for ETU Release 2</td>
</tr>
</tbody>
</table>

---

1) For replacement in existing circuit breakers please specify the circuit breaker ID No. when ordering.
2) With the rating plug selected, the maximum rated current $I_n$ must not be exceeded. The following applies $I_n \leq I_{n \text{max}}$.
3) For direct measurement of the ground-fault current, e.g. in the neutral point of the transformer, a 1.200 A/1 A current transformer, class 1, is required. The internal load of the 3WL circuit breaker is 0.11 $\Omega$. If the ground-fault current is to be determined using the vectorial sum of the phases, a transformer must be installed in the neutral conductor.

---

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* You can order this quantity or a multiple thereof.
### Accessories and spare parts

#### Air Circuit Breakers

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

<table>
<thead>
<tr>
<th>Designation</th>
<th>Symbol</th>
<th>Article No.</th>
<th><a href="http://www.siemens.com/product?Article">www.siemens.com/product?Article</a> No.</th>
<th>Price per PU</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*/PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sealable and lockable covers</strong></td>
<td><img src="image1.png" alt="Symbol" /></td>
<td>3WL9111-0AT45-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.050</td>
<td></td>
</tr>
<tr>
<td><strong>Automatic reset of the reclosing lockout</strong></td>
<td><img src="image2.png" alt="Symbol" /></td>
<td>3WL9111-0AK21-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.050</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0AT45-0AA0</strong></td>
<td><img src="image3.png" alt="Symbol" /></td>
<td>3WL9111-0AK03-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.200</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0AT46-0AA0</strong></td>
<td><img src="image4.png" alt="Symbol" /></td>
<td>3WL9111-0AK04-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.200</td>
<td></td>
</tr>
<tr>
<td><strong>Remote reset coils</strong></td>
<td><img src="image5.png" alt="Symbol" /></td>
<td>3WL9111-0AK05-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.200</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0AT47-0AA0</strong></td>
<td><img src="image6.png" alt="Symbol" /></td>
<td>3WL9111-0AK06-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.200</td>
<td></td>
</tr>
<tr>
<td><strong>Retrofittable internal CubicleBUS wiring for connection to terminal X8</strong></td>
<td><img src="image7.png" alt="Symbol" /></td>
<td>3WL9111-0AK07-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.200</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0BA31-0AA0</strong></td>
<td><img src="image8.png" alt="Symbol" /></td>
<td>3WL9111-0AK08-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.200</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0BA32-0AA0</strong></td>
<td><img src="image9.png" alt="Symbol" /></td>
<td>3WL9111-0AK09-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.200</td>
<td></td>
</tr>
<tr>
<td><strong>Retrofittable internal wiring for connection of the external N- and G-transformers to terminal X8</strong></td>
<td><img src="image10.png" alt="Symbol" /></td>
<td>3WL9111-0BA33-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.200</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0BA34-0AA0</strong></td>
<td><img src="image11.png" alt="Symbol" /></td>
<td>3WL9111-0AK20-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.200</td>
<td></td>
</tr>
<tr>
<td><strong>Locking devices</strong></td>
<td><img src="image12.png" alt="Symbol" /></td>
<td>3WL9111-0BA21-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0BA22-0AA0</strong></td>
<td><img src="image13.png" alt="Symbol" /></td>
<td>3WL9111-0BA23-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td><strong>Locking devices against unauthorized closing, in the operator panels</strong></td>
<td><img src="image14.png" alt="Symbol" /></td>
<td>3WL9111-0BA24-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0BA31-0AA0</strong></td>
<td><img src="image15.png" alt="Symbol" /></td>
<td>3WL9111-0BA32-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td><strong>Locking devices against unauthorized closing, for withdrawable circuit breakers</strong></td>
<td><img src="image16.png" alt="Symbol" /></td>
<td>3WL9111-0BA33-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0BA34-0AA0</strong></td>
<td><img src="image17.png" alt="Symbol" /></td>
<td>3WL9111-0BA35-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0BA36-0AA0</strong></td>
<td><img src="image18.png" alt="Symbol" /></td>
<td>3WL9111-0BA37-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0BA38-0AA0</strong></td>
<td><img src="image19.png" alt="Symbol" /></td>
<td>3WL9111-0BA39-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0BA40-0AA0</strong></td>
<td><img src="image20.png" alt="Symbol" /></td>
<td>3WL9111-0BA41-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0BA42-0AA0</strong></td>
<td><img src="image21.png" alt="Symbol" /></td>
<td>3WL9111-0BA43-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0BA44-0AA0</strong></td>
<td><img src="image22.png" alt="Symbol" /></td>
<td>3WL9111-0BA45-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td><strong>3WL9111-0BA46-0AA0</strong></td>
<td><img src="image23.png" alt="Symbol" /></td>
<td>3WL9111-0BA47-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
</tbody>
</table>

1) Can only be used in conjunction with "automatic reset of reclosing lockout", e.g. "-Z" + "K01", 3WL9 111-0AK21-0AA0.
2) Required if communication is retrofitted.
3) Locks, cylinders and keys must be ordered from the manufacturer.
4) Padlock not included in the scope of supply.

---

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## Accessories and spare parts

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU (UNIT, SET, M)</th>
<th>PSI, P unit</th>
<th>PG</th>
<th>Weight per PU approx. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locking devices for operating mechanism handle with padlock&lt;sup&gt;1)&lt;/sup&gt;</td>
<td>3WL9111-0BA71-0AA0</td>
<td>3WL9111-0BA71-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.080</td>
<td></td>
</tr>
<tr>
<td>Locking devices to prevent movement of the withdrawable circuit breakers</td>
<td>3WL9111-0BA73-0AA0</td>
<td>3WL9111-0BA73-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.300</td>
<td></td>
</tr>
<tr>
<td>• Safety lock for mounting on the circuit breaker</td>
<td>3WL9111-0BA75-0AA0</td>
<td>3WL9111-0BA75-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.200</td>
<td></td>
</tr>
<tr>
<td>• Spare part for option S71, S75, S76, see “-Z” + order code, page 1/42.</td>
<td>3WL9111-0BA77-0AA0</td>
<td>3WL9111-0BA77-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.300</td>
<td></td>
</tr>
<tr>
<td>• Made by CES</td>
<td>3WL9111-0BA80-0AA0</td>
<td>3WL9111-0BA80-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.400</td>
<td></td>
</tr>
<tr>
<td>• Made by IKON</td>
<td>3WL9111-0BA81-0AA0</td>
<td>3WL9111-0BA81-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.600</td>
<td></td>
</tr>
<tr>
<td>• Made by Profalux</td>
<td>3WL9111-0BA83-0AA0</td>
<td>3WL9111-0BA83-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.800</td>
<td></td>
</tr>
<tr>
<td>• Made by Ronis</td>
<td>3WL9111-0BA85-0AA0</td>
<td>3WL9111-0BA85-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.800</td>
<td></td>
</tr>
<tr>
<td>• Made by KIRK-Key&lt;sup&gt;2)&lt;/sup&gt;</td>
<td>3WL9111-0BA86-0AA0</td>
<td>3WL9111-0BA86-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.800</td>
<td></td>
</tr>
<tr>
<td>Interlocking systems</td>
<td>3WL9111-0BA43-0AA0</td>
<td>3WL9111-0BA43-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.360</td>
<td></td>
</tr>
<tr>
<td>• Made by CES</td>
<td>3WL9111-0BA76-0AA0</td>
<td>3WL9111-0BA76-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.300</td>
<td></td>
</tr>
<tr>
<td>• 2 of the same keys for 3 circuit breakers</td>
<td>3WL9111-0BA77-0AA0</td>
<td>3WL9111-0BA77-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.300</td>
<td></td>
</tr>
<tr>
<td>• Locking device in OFF position</td>
<td>3WL9111-0BA78-0AA0</td>
<td>3WL9111-0BA78-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.300</td>
<td></td>
</tr>
<tr>
<td>• Lock in the operator panel</td>
<td>3WL9111-0BA79-0AA0</td>
<td>3WL9111-0BA79-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.300</td>
<td></td>
</tr>
<tr>
<td>• A maximum of 2 circuit breakers can be switched on</td>
<td>3WL9111-0BB12-0AA0</td>
<td>3WL9111-0BB12-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.600</td>
<td></td>
</tr>
<tr>
<td>• Fixed-mounted</td>
<td>3WL9111-0BB13-0AA0</td>
<td>3WL9111-0BB13-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.150</td>
<td></td>
</tr>
<tr>
<td>• Can be defeated</td>
<td>3WL9111-0BB15-0AA0</td>
<td>3WL9111-0BB15-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.150</td>
<td></td>
</tr>
<tr>
<td>• Guide frames</td>
<td>Note</td>
<td>Note</td>
<td>Note</td>
<td>Note</td>
<td>Note</td>
<td>Note</td>
<td></td>
</tr>
</tbody>
</table>

<sup>1)</sup> Padlock not included in the scope of supply.  
<sup>2)</sup> Locks, cylinders and keys must be ordered from the manufacturer.
### Interlocks

**Mutual mechanical interlocking**

With 2000 mm Bowden wire (one required for each circuit breaker)

<table>
<thead>
<tr>
<th>Type</th>
<th>When ordered separately</th>
<th>Spare part for</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed-mounted circuit breakers</td>
<td>--</td>
<td>Option S55, see “Z” + order code, page 1/41. 3WL9111-0BB21-0AA0 1 1 unit 103 2.700</td>
</tr>
<tr>
<td>Module for withdraw-able circuit breakers with guide frame</td>
<td>--</td>
<td>Option R55, see “Z” + order code, page 1/41. 3WL9111-0BB24-0AA0 1 1 unit 103 1.130</td>
</tr>
<tr>
<td>Module for guide frame</td>
<td>✓</td>
<td>Option R56, see “Z” + order code, page 1/41. 3WL9111-0BB22-0AA0 1 1 unit 103 1.100</td>
</tr>
<tr>
<td>Module for withdraw-able circuit breaker</td>
<td>✓</td>
<td>Option R57, see “Z” + order code, page 1/41. 3WL9111-0BB23-0AA0 1 1 unit 103 0.150</td>
</tr>
<tr>
<td>Adapter for size III withdraw-able circuit breaker</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

**Couplings on the circuit breaker (with ring) for mutual interlocking**

Can be used in all circuit breakers

3WL9112-8AH47-0AA0 1 1 unit 103 0.160

### Bowden wires

<table>
<thead>
<tr>
<th>Versions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2 000 mm</td>
<td>3WL9111-0BB45-0AA0 1 1 unit 103 0.150</td>
</tr>
<tr>
<td>3 000 mm</td>
<td>3WL9111-0BB46-0AA0 1 1 unit 103 0.220</td>
</tr>
<tr>
<td>4 500 mm</td>
<td>3WL9111-0BB47-0AA0 1 1 unit 103 0.360</td>
</tr>
</tbody>
</table>

### Transfer control devices

**3KC ATCS300 transfer control devices**

See chapter “Monitoring Devices”.

3KC9000-8TL30

### Test devices

**Manual tester Release 2 for Electronic Trip Units ETU15B to ETU76B**

For testing the Electronic Trip Unit functions of all 3WL ETUs (release 1 and release 2)

3WL9111-0AT32-0AA0 1 1 unit 103 1.100

**Function testers**

For testing the tripping characteristics for Electronic Trip Units ETU15B to ETU76B

3WL9111-0AT44-0AA0 1 1 unit 103 8.210

### Capacitor storage devices

<table>
<thead>
<tr>
<th>Capacitor storage devices</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• For shunt releases</td>
<td></td>
</tr>
<tr>
<td>• Storage time 5 min</td>
<td></td>
</tr>
<tr>
<td>Rated control supply voltage/rated operational voltage</td>
<td></td>
</tr>
<tr>
<td>50/60 Hz V AC</td>
<td></td>
</tr>
<tr>
<td>220 ... 240</td>
<td></td>
</tr>
<tr>
<td>220 ... 250</td>
<td></td>
</tr>
<tr>
<td>Note</td>
<td></td>
</tr>
<tr>
<td>• Rated control supply voltage must match the rated control supply voltage of the shunt release</td>
<td></td>
</tr>
<tr>
<td>• Suitable also for 3VL and 3WN circuit breakers</td>
<td></td>
</tr>
</tbody>
</table>

3WL9111-0BA14-0AA0 1 1 unit 103 0.520
Air Circuit Breakers
3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Accessories and spare parts

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU (UNIT, SET, M)</th>
<th>PS*P</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Indicators, control elements</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Ready-to-close signaling switches</td>
<td></td>
<td>3WL9111-0AH01-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.020</td>
<td></td>
</tr>
<tr>
<td>• 1 NO contact</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Spare part for option C22, see &quot;Z&quot; + order code, page 1/40.</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Signaling switches&lt;sup&gt;1,2&lt;/sup&gt;</td>
<td></td>
<td>3WL9111-0AH02-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.020</td>
<td></td>
</tr>
<tr>
<td>• 1st or 2nd auxiliary release</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Spare part for option C26 and C27, see &quot;Z&quot; + order code, page 1/40.</td>
<td></td>
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<tr>
<td>1st tripped signaling switch&lt;sup&gt;1,2&lt;/sup&gt;</td>
<td></td>
<td>3WL9111-0AH14-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.080</td>
<td></td>
</tr>
<tr>
<td>• 1 CO contact</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Spare part for option K07, see &quot;Z&quot; + order code, page 1/40.</td>
<td></td>
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<td></td>
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<tr>
<td>2nd tripped signaling switch&lt;sup&gt;1,2&lt;/sup&gt;</td>
<td></td>
<td>3WL9111-0AH17-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.080</td>
<td></td>
</tr>
<tr>
<td>• 1 NO contact</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>• Spare part for option K06, see &quot;Z&quot; + order code, page 1/40.</td>
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<tr>
<td>Operating cycles counter</td>
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<td>3WL9111-0AH07-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.100</td>
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</tr>
<tr>
<td>• Mechanical&lt;sup&gt;4&lt;/sup&gt;</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>• Spare part for option C01, see &quot;Z&quot; + order code, page 1/40.</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Stored energy status signaling switches&lt;sup&gt;1,2&lt;/sup&gt;</td>
<td></td>
<td>3WL9111-0AH08-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.030</td>
<td></td>
</tr>
<tr>
<td>• 1 NO contact</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Spare part for option C20, see &quot;Z&quot; + order code, page 1/40.</td>
<td></td>
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<tr>
<td>Position signaling switches for guide frames</td>
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<td>3WL9111-0AH11-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.200</td>
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<tr>
<td>Spare part for option R15 and R16, see &quot;Z&quot; + order code, page 1/41.</td>
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<tr>
<td>Versions</td>
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<td></td>
</tr>
<tr>
<td>• 1st block (3 CO contacts)</td>
<td></td>
<td>3WL9111-0AH11-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.200</td>
<td></td>
</tr>
<tr>
<td>• 2nd block (6 CO contacts)</td>
<td></td>
<td>3WL9111-0AH12-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.400</td>
<td></td>
</tr>
<tr>
<td>Electrical ON buttons&lt;sup&gt;3&lt;/sup&gt;</td>
<td></td>
<td>3WL9111-0AJ01-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.150</td>
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<tr>
<td>• Button + wiring&lt;sup&gt;2&lt;/sup&gt;</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>• For operator panel</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>• Spare part for option C11 and C12, see &quot;Z&quot; + order code, page 1/40.</td>
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<tr>
<td>Versions</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>• With sealing cap C11</td>
<td></td>
<td>3WL9111-0AJ02-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.150</td>
<td></td>
</tr>
<tr>
<td>• With CES C12 assembly kit</td>
<td></td>
<td>3WL9111-0AJ03-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.140</td>
<td></td>
</tr>
<tr>
<td>• With IKON assembly kit</td>
<td></td>
<td>3WL9111-0AJ05-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.140</td>
<td></td>
</tr>
<tr>
<td>Note</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Possible only for circuit breakers with closing coil.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor shutdown switches&lt;sup&gt;5&lt;/sup&gt;</td>
<td></td>
<td>3WL9111-0AJ06-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.100</td>
<td></td>
</tr>
<tr>
<td>• Mounting on operator panel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Spare part for option S25, see &quot;Z&quot; + order code, page 1/40.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMERGENCY-STOP pushbuttons</td>
<td></td>
<td>3WL9111-0BA72-0AA0</td>
<td>1 1 unit</td>
<td>103</td>
<td>0.080</td>
<td></td>
</tr>
<tr>
<td>• Mushroom pushbutton instead of the mechanical OFF pushbutton.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Spare part for option S24, see &quot;Z&quot; + order code, page 1/40.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) Not possible with communications interface option, order code "F02" or "F12".
2) X7 auxiliary supply connector required for circuit breakers or guide frames. If this is not already available, please order additionally (see pages 1/45 and 1/57).
3) Can only be used in combination with 1st tripped signaling switch.
4) Only in conjunction with motorized operating mechanism.
5) Not possible with motor shutdown switch.
6) Not possible with electrical ON button.

* 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), IEC**

### Accessories and spare parts

#### Auxiliary conductor connections

**Male connectors for circuit breakers**

3WL9111-0AB01-0AA0

### Extension for the 1000 V male connector versions

Male connector must be ordered separately.

3WL9111-0AB02-0AA0

### Male connectors and extension for 1000 V

3WL9111-0AB10-0AA0

#### Auxiliary supply connectors for circuit breakers or guide frames

**Versions**

- Screw connection (SIGUT)
- Screwless connection method (tension spring)

3WL9111-0AB03-0AA0

3WL9111-0AB04-0AA0

#### Coding kits

For fixed-mounted versions (X5 to X8)

3WL9111-0AB07-0AA0

#### Sliding contact modules for guide frames

3WL9111-0AB08-0AA0

#### One-part sliding contact modules for guide frames

Screw connection (SIGUT)

3WL9111-0AB18-0AA0

#### Blanking blocks for circuit breakers

3WL9111-0AB12-0AA0

For a complete auxiliary current connection you must order:

- Fixed-mounted version: ① + ② + ③
- Withdrawable version: ① + ④ + ② or ① + ⑤
Air Circuit Breakers
3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

Accessories and spare parts

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU (UNIT, SET, M)</th>
<th>PS¹</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
</table>

**Auxiliary releases**

**Closing coils/shunt releases**

<table>
<thead>
<tr>
<th>Versions</th>
<th>Voltage</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU (UNIT, SET, M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 % OP</td>
<td>24 V DC</td>
<td>3WL9111-0AD01-0AA0</td>
<td>1 1 unit</td>
<td>103 0.700</td>
</tr>
<tr>
<td></td>
<td>30 V DC</td>
<td>3WL9111-0AD02-0AA0</td>
<td>1 1 unit</td>
<td>103 0.700</td>
</tr>
<tr>
<td></td>
<td>48 V DC</td>
<td>3WL9111-0AD03-0AA0</td>
<td>1 1 unit</td>
<td>103 0.700</td>
</tr>
<tr>
<td></td>
<td>60 V DC</td>
<td>3WL9111-0AD04-0AA0</td>
<td>1 1 unit</td>
<td>103 0.700</td>
</tr>
<tr>
<td></td>
<td>110 ... 125 V DC/110 ... 127 V AC</td>
<td>3WL9111-0AD05-0AA0</td>
<td>1 1 unit</td>
<td>103 0.700</td>
</tr>
<tr>
<td></td>
<td>220 ... 250 V DC/208 ... 240 V AC</td>
<td>3WL9111-0AD06-0AA0</td>
<td>1 1 unit</td>
<td>103 0.700</td>
</tr>
<tr>
<td>5 % OP ¹</td>
<td>24 V DC</td>
<td>3WL9111-0AD11-0AA0</td>
<td>1 1 unit</td>
<td>103 0.700</td>
</tr>
<tr>
<td></td>
<td>48 V DC</td>
<td>3WL9111-0AD12-0AA0</td>
<td>1 1 unit</td>
<td>103 0.700</td>
</tr>
<tr>
<td></td>
<td>110 ... 125 V DC/110 ... 127 V AC</td>
<td>3WL9111-0AD13-0AA0</td>
<td>1 1 unit</td>
<td>103 0.700</td>
</tr>
<tr>
<td></td>
<td>220 ... 250 V DC/208 ... 240 V AC</td>
<td>3WL9111-0AD14-0AA0</td>
<td>1 1 unit</td>
<td>103 1.800</td>
</tr>
</tbody>
</table>

**Undervoltage releases**

<table>
<thead>
<tr>
<th>Versions</th>
<th>Voltage</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU (UNIT, SET, M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instantaneous</td>
<td>24 V DC</td>
<td>3WL9111-0AE01-0AA0</td>
<td>1 1 unit</td>
<td>103 0.730</td>
</tr>
<tr>
<td></td>
<td>30 V DC</td>
<td>3WL9111-0AE02-0AA0</td>
<td>1 1 unit</td>
<td>103 0.730</td>
</tr>
<tr>
<td></td>
<td>48 V DC</td>
<td>3WL9111-0AE03-0AA0</td>
<td>1 1 unit</td>
<td>103 0.730</td>
</tr>
<tr>
<td></td>
<td>60 V DC</td>
<td>3WL9111-0AE07-0AA0</td>
<td>1 1 unit</td>
<td>103 0.730</td>
</tr>
<tr>
<td></td>
<td>110 ... 125 V DC/110 ... 127 V AC</td>
<td>3WL9111-0AE04-0AA0</td>
<td>1 1 unit</td>
<td>103 0.730</td>
</tr>
<tr>
<td></td>
<td>220 ... 250 V DC/208 ... 240 V AC</td>
<td>3WL9111-0AE05-0AA0</td>
<td>1 1 unit</td>
<td>103 0.730</td>
</tr>
<tr>
<td></td>
<td>380 ... 415 V AC</td>
<td>3WL9111-0AE06-0AA0</td>
<td>1 1 unit</td>
<td>103 0.730</td>
</tr>
<tr>
<td>Delayed</td>
<td>48 V DC</td>
<td>3WL9111-0AE11-0AA0</td>
<td>1 1 unit</td>
<td>103 0.740</td>
</tr>
<tr>
<td></td>
<td>110 ... 125 V DC/110 ... 127 V AC</td>
<td>3WL9111-0AE12-0AA0</td>
<td>1 1 unit</td>
<td>103 0.740</td>
</tr>
<tr>
<td></td>
<td>220 ... 250 V DC/208 ... 240 V AC</td>
<td>3WL9111-0AE13-0AA0</td>
<td>1 1 unit</td>
<td>103 0.740</td>
</tr>
<tr>
<td></td>
<td>380 ... 415 V AC</td>
<td>3WL9111-0AE14-0AA0</td>
<td>1 1 unit</td>
<td>103 0.740</td>
</tr>
</tbody>
</table>

**Operating mechanisms**

**Motorized operating mechanisms ²**

<table>
<thead>
<tr>
<th>Versions</th>
<th>Voltage</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU (UNIT, SET, M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 ... 30 V DC</td>
<td>3WL9111-0AF01-0AA0</td>
<td>1 1 unit</td>
<td>103 1.510</td>
<td></td>
</tr>
<tr>
<td>48 ... 60 V DC</td>
<td>3WL9111-0AF02-0AA0</td>
<td>1 1 unit</td>
<td>103 1.510</td>
<td></td>
</tr>
<tr>
<td>110 ... 125 V DC/110 ... 127 V AC</td>
<td>3WL9111-0AF03-0AA0</td>
<td>1 1 unit</td>
<td>103 1.510</td>
<td></td>
</tr>
<tr>
<td>220 ... 250 V DC/208 ... 240 V AC</td>
<td>3WL9111-0AF04-0AA0</td>
<td>1 1 unit</td>
<td>103 1.510</td>
<td></td>
</tr>
</tbody>
</table>

**Auxiliary contacts**

**Auxiliary switch blocks**

<table>
<thead>
<tr>
<th>Versions</th>
<th>Price per PU</th>
<th>PU (UNIT, SET, M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 NO contacts+ 2 NC contacts</td>
<td>3WL9111-0AG01-0AA0</td>
<td>1 1 unit</td>
</tr>
<tr>
<td>2 NO contacts</td>
<td>3WL9111-0AG02-0AA0</td>
<td>1 1 unit</td>
</tr>
<tr>
<td>1 NO contact + 1 NC contact</td>
<td>3WL9111-0AG03-0AA0</td>
<td>1 1 unit</td>
</tr>
</tbody>
</table>

¹ Overexcited, i.e. operating time 50 ms (standard >80 ms).
² X5 auxiliary supply connector required for circuit breakers or guide frames. If this is not already available, please order additionally (see pages 1/45 and 1/48).

* 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), IEC**

## Accessories and spare parts

### Door sealing frames, hoods, shutters

**Door sealing frames**
- Spare part for option T40, see "-Z" + order code, page 1/40.

**Protective covers**
- IP55
- **Notes**
  - Cannot be used in conjunction with door sealing frames
  - Hood removable and can be opened on both sides

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU</th>
<th>PS</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door sealing frames</td>
<td></td>
<td>3WL9111-0AP01-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.360</td>
<td></td>
</tr>
<tr>
<td>Protective covers</td>
<td></td>
<td>3WL9111-0AP02-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>1.600</td>
<td></td>
</tr>
</tbody>
</table>

### Shutters

- Spare part for option R21, see "-Z" + order code, page 1/41.

<table>
<thead>
<tr>
<th>Number of poles</th>
<th>Size</th>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU</th>
<th>PS</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-pole</td>
<td>I</td>
<td>3WL9111-0AP04-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.500</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>C</td>
<td>3WL9111-0AP43-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.630</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>C</td>
<td>3WL9111-0AP07-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.860</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-pole</td>
<td>I</td>
<td>3WL9111-0AP08-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.600</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>C</td>
<td>3WL9111-0AP44-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.770</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>C</td>
<td>3WL9111-0AP12-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>1.070</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Arc chutes

**Arc chutes**

<table>
<thead>
<tr>
<th>Versions</th>
<th>Size</th>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU</th>
<th>PS</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>690 V</td>
<td>I</td>
<td>3WL9111-0AS01-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>1.110</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>C</td>
<td>3WL9111-0AS02-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>1.680</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>C</td>
<td>3WL9111-0AS10-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>3.520</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000 V/1150 V</td>
<td>II</td>
<td>3WL9111-0AS03-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>2.980</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>3WL9111-0AS05-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>3.140</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>3WL9111-0AS06-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>5.690</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Arc chute covers

- Parts kit for guide frame
- Spare part for option R10, see "-Z" + order code, page 1/41.

<table>
<thead>
<tr>
<th>Number of poles</th>
<th>Size</th>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU</th>
<th>PS</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-pole</td>
<td>I</td>
<td>3WL9111-0AS32-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>1.850</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>C</td>
<td>3WL9111-0AS33-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>2.600</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>C</td>
<td>3WL9111-0AS42-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>3.340</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-pole</td>
<td>II</td>
<td>3WL9111-0AS44-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>3.300</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>C</td>
<td>3WL9111-0AS46-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>5.210</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Coding for withdrawable version

**Coding for withdrawable version**
- By customer, for 36 coding variants

<table>
<thead>
<tr>
<th>Versions</th>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU</th>
<th>PS</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sizes I and II</td>
<td>3WL9111-0AR12-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.400</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size III</td>
<td>3WL9111-0AR13-0AA0</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>0.310</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) Cannot be used for 3WL size II with very high breaking capacity C

2) Not available for
- 1000 V version (order code "A05")
- 1150 V version (order code "A15")
- DC version
- 4000 A size II
- Circuit breaker with very high breaking capacity C

* 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), IEC

Accessories and spare parts

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU (UNIT, SET, M)</th>
<th>PST/PS</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
</table>

### Grounding connection

- **Grounding connection between the guide frame and the withdrawable circuit breaker**
  - For 30 kA ground short-circuit current
  - Contacting modules for guide frame

  **Versions**
  - Size I and II
  - Size III

<table>
<thead>
<tr>
<th>Number of poles</th>
<th>Size</th>
<th>Designation</th>
<th>Price per PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-pole</td>
<td>I</td>
<td>3WL9111-0BA05-0AA0</td>
<td>1 1 unit 103 1.250</td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>3WL9111-0BA06-0AA0</td>
<td>1 1 unit 103 1.530</td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>3WL9111-0BA07-0AA0</td>
<td>1 1 unit 103 2.270</td>
</tr>
</tbody>
</table>

### Contacting modules for withdrawable circuit breakers

#### Number of poles

- **Size**
  - 3-pole
  - 4-pole

#### 3-pole

- Size I
- Size II
- Size III

<table>
<thead>
<tr>
<th>Designation</th>
<th>Price per PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0BA05-0AA0</td>
<td>1 1 unit 103 1.250</td>
</tr>
<tr>
<td>3WL9111-0BA06-0AA0</td>
<td>1 1 unit 103 1.530</td>
</tr>
<tr>
<td>3WL9111-0BA07-0AA0</td>
<td>1 1 unit 103 2.270</td>
</tr>
</tbody>
</table>

#### 4-pole

- Size I
- Size II
- Size III

<table>
<thead>
<tr>
<th>Designation</th>
<th>Price per PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0BA08-0AA0</td>
<td>1 1 unit 103 1.500</td>
</tr>
<tr>
<td>3WL9111-0BA09-0AA0</td>
<td>1 1 unit 103 1.850</td>
</tr>
<tr>
<td>3WL9111-0BA10-0AA0</td>
<td>1 1 unit 103 2.950</td>
</tr>
</tbody>
</table>

### Support brackets

- **Support brackets**
  - For mounting fixed-mounted circuit breakers on vertical plane
  - Only for sizes I and II (1 set = 2 units)

<table>
<thead>
<tr>
<th>Designation</th>
<th>Price per PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0BB50-0AA0</td>
<td>1 1 unit 103 7.000</td>
</tr>
</tbody>
</table>

### CubicleBUS modules

- **Digital output modules**
  - with rotary coding switch, relay outputs

<table>
<thead>
<tr>
<th>Designation</th>
<th>Price per PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AT26-0AA0</td>
<td>1 1 unit 103 0.240</td>
</tr>
</tbody>
</table>

- **Digital output modules**
  - configurable, relay outputs

<table>
<thead>
<tr>
<th>Designation</th>
<th>Price per PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AT20-0AA0</td>
<td>1 1 unit 103 0.310</td>
</tr>
</tbody>
</table>

- **Digital input modules**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Price per PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AT27-0AA0</td>
<td>1 1 unit 103 0.240</td>
</tr>
</tbody>
</table>

- **Analog output modules**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Price per PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AT23-0AA0</td>
<td>1 1 unit 103 0.240</td>
</tr>
</tbody>
</table>

- **Zone Selective Interlocking modules**

<table>
<thead>
<tr>
<th>Designation</th>
<th>Price per PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AT21-0AA0</td>
<td>1 1 unit 103 0.240</td>
</tr>
</tbody>
</table>

### Parameterization systems

- **BDA Plus**
  - Parameterization, operation, monitoring and diagnostics of 3WL air circuit breakers using the local interface
  - Breaker Data Adapter, connection cable to the 3WL air circuit breaker and to the programming device (e.g. notebook)
  - Can be run with Internet Explorer with JAVA2 VM 1.4.0-01 and higher
  - With Ethernet interface for connection to Ethernet/Intranet/Internet

<table>
<thead>
<tr>
<th>Designation</th>
<th>Price per PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AT33-0AA0</td>
<td>1 1 unit 103 1.200</td>
</tr>
</tbody>
</table>

- **Connection cables for BDA Plus**
  - Connection cable for connection of BDA Plus to terminal X8 of the 3WL air circuit breaker
  - Required if neither COM15 nor COM16 nor other external CubicleBUS modules are available
  - Length 2 m

<table>
<thead>
<tr>
<th>Designation</th>
<th>Price per PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0BC21-0AA0</td>
<td>1 1 unit 103 0.350</td>
</tr>
</tbody>
</table>

- **powerconfig parameterization software**
  - Parameterization, operation, monitoring and diagnostics of 3WL air circuit breakers using powerconfig software, see section entitled “Software”, “Configuring, Visualizing and Controlling with SENTRON”

---

1) For 60 kA ground short-circuit current, order 2.
2) Cannot be used for size II with very high breaking capacity C and size II, 4000 A.
3) Each CubicleBUS module is supplied with a 0.2 m factory-fitted cable to connect the modules with each other. A longer factory-fitted cable is required for connection to the circuit breaker.
4) A 24 V DC power supply unit is required.
5) Operation under Windows Vista and Windows 7 possible with restrictions.
6) All communication components, CubicleBUS modules and measurement functions are available for the ETU45B and ETU76B Electronic Trip Units.
**Accessories and spare parts**

### Accessories for communications

**Preassembled cables for CubicleBUS modules**

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU (UNIT, SET, M)</th>
<th>PU</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 m long, for connection to 3WL with COM15/COM16</td>
<td>3WL9111-0BC04-0AA0</td>
<td>1 1 unit 103</td>
<td>0.020</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 m long, for connection to 3WL with COM15/COM16</td>
<td>3WL9111-0BC02-0AA0</td>
<td>1 1 unit 103</td>
<td>0.050</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 m long, for connection to 3WL with COM15/COM16</td>
<td>3WL9111-0BC03-0AA0</td>
<td>1 1 unit 103</td>
<td>0.060</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 m long, for connection to 3WL without COM15/COM16</td>
<td>3WL9111-0BC05-0AA0</td>
<td>1 1 unit 103</td>
<td>0.070</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SENTRON manual for communication solutions**

- Detailed description of the communication functions for circuit breakers. Installation, connection, commissioning, data transmission to the PLC.
- Free download from: www.siemens.com/lowvoltage/manuals

**Voltage transformers**

- 3-pole, for 3WL circuit breakers with measurement function Plus
  - 380 ... 690 V/100 V, class 0.5

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU (UNIT, SET, M)</th>
<th>PU</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0BB68-0AA0</td>
<td>1 1 unit 103</td>
<td>2.600</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Retrofitting and spare parts

**PROFIBUS retrofit kits**

Retrofit kit for PROFIBUS communications including COM15, BSS and set of cables for all 3WL air circuit breakers with ETU45B and ETU76B Electronic Trip Units

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU (UNIT, SET, M)</th>
<th>PU</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AT12-0AA0</td>
<td>1 1 unit 103</td>
<td>0.260</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COM15 PROFIBUS modules**

For ETU45B and ETU76B Electronic Trip Units

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU (UNIT, SET, M)</th>
<th>PU</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AT15-0AA0</td>
<td>1 1 unit 103</td>
<td>0.140</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**COM16 MODBUS modules**

For ETU45B and ETU76B Electronic Trip Units

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU (UNIT, SET, M)</th>
<th>PU</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AT17-0AA0</td>
<td>1 1 unit 103</td>
<td>0.140</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MODBUS IEC retrofit kits**

Retrofit kit for MODBUS communications including COM16, BSS and set of cables for all 3WL air circuit breakers with ETU45B and ETU76B Electronic Trip Units

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU (UNIT, SET, M)</th>
<th>PU</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AT18-0AA0</td>
<td>1 1 unit 103</td>
<td>0.260</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Breaker status sensor (BSS)**

For ETU45B and ETU76B Electronic Trip Units

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU (UNIT, SET, M)</th>
<th>PU</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AT16-0AA0</td>
<td>1 1 unit 103</td>
<td>0.120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Measurement function Plus**

- For ETUs Release 2
- Voltage transformer required

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU (UNIT, SET, M)</th>
<th>PU</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AT04-0AA0</td>
<td>1 1 unit 103</td>
<td>0.250</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

1) Is required for operation of the measurement function Plus.
2) A measuring accuracy of 3% is reached if retrofitted.
3) All communication components, CubicleBUS modules and measurement functions are available for the ETU45B and ETU76B Electronic Trip Units.

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

#### Accessories and spare parts

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT Article No.</th>
<th>Price per PU</th>
<th>PU (UNIT, SET, M)</th>
<th>PS/P unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Main conductor connections, fixed-mounted versions (essential accessory)</strong> Specified for each connection</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Rated current $I_f$</th>
<th>Designation</th>
<th>Article No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AL06-0AA0</td>
<td>Front-accessible main connections, single hole at top¹)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Up to 1000 A</td>
<td>3WL9111-0AL01-0AA0</td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Up to 2000 A</td>
<td>3WL9111-0AL03-0AA0</td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>Up to 4000 A</td>
<td>3WL9111-0AL06-0AA0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Rated current $I_f$</th>
<th>Designation</th>
<th>Article No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AL07-0AA0</td>
<td>Front-accessible main connections according to DIN 43673, double hole at top</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Up to 1000 A</td>
<td>3WL9111-0AL07-0AA0</td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Up to 2000 A</td>
<td>3WL9111-0AL11-0AA0</td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>Up to 4000 A</td>
<td>3WL9111-0AL14-0AA0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size</th>
<th>Rated current $I_f$</th>
<th>Designation</th>
<th>Article No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AM01-0AA0</td>
<td>Rear vertical main connections</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Up to 2000 A</td>
<td>3WL9111-0AM01-0AA0</td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Up to 3200 A</td>
<td>3WL9111-0AM02-0AA0</td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Up to 6300 A</td>
<td>3WL9111-0AM03-0AA0</td>
<td></td>
</tr>
</tbody>
</table>

---

¹) Not for 3WL size I with high breaking capacity H.  
²) In the case of vertical connection size I with breaking capacity N and S, up to 2000 A or with breaking capacity H two 3WL 111-0AM01-0AA0 vertical connections are required.  
³) In the case of vertical connection size II, up to 2500 A one 3WL 111-0AM02-0AA0 vertical connection is required, up to 3200 A two 3WL 111-0AM02-0AA0 vertical connections are required.  
⁴) Not for circuit breakers with very high breaking capacity C.
### Air Circuit Breakers

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

#### Accessories and spare parts

**Main conductor connections, withdrawable versions (essential accessory)**

Specified for each connection

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT Article No.</th>
<th>Price per PU</th>
<th>PU</th>
<th>P (unit)</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9111-0AN06-0AA0</td>
<td><a href="http://www.siemens.com/product?Article">www.siemens.com/product?Article</a> No.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Front-accessible main connections, single hole at top or at bottom**

<table>
<thead>
<tr>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU</th>
<th>P (unit)</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Up to 1000 A</td>
<td>3WL9111-0AN01-0AA0</td>
<td>1 1 unit 103</td>
<td>1.000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1250 A ... 1600 A</td>
<td>3WL9111-0AN02-0AA0</td>
<td>1 1 unit 103</td>
<td>1.300</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Up to 2000 A</td>
<td>3WL9111-0AN03-0AA0</td>
<td>1 1 unit 103</td>
<td>1.800</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 2500 A</td>
<td>3WL9111-0AN04-0AA0</td>
<td>1 1 unit 103</td>
<td>3.100</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 3200 A</td>
<td>3WL9111-0AN05-0AA0</td>
<td>1 1 unit 103</td>
<td>3.000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>Up to 4000 A</td>
<td>3WL9111-0AN06-0AA0</td>
<td>1 1 unit 103</td>
<td>5.200</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Front-accessible main connections according to DIN 43673, double hole at top or at bottom**

<table>
<thead>
<tr>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU</th>
<th>P (unit)</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Up to 1000 A</td>
<td>3WL9111-0AN07-0AA0</td>
<td>1 1 unit 103</td>
<td>1.300</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1250 A ... 2000 A</td>
<td>3WL9111-0AN08-0AA0</td>
<td>1 1 unit 103</td>
<td>1.700</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Up to 2000 A</td>
<td>3WL9111-0AN11-0AA0</td>
<td>1 1 unit 103</td>
<td>2.000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 2000 A</td>
<td>3WL9111-0AN12-0AA0</td>
<td>1 1 unit 103</td>
<td>3.700</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 2500 A</td>
<td>3WL9111-0AN13-0AA0</td>
<td>1 1 unit 103</td>
<td>5.600</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>Up to 4000 A</td>
<td>3WL9111-0AN14-0AA0</td>
<td>1 1 unit 103</td>
<td>6.400</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Supports for front and DIN connecting bars**

<table>
<thead>
<tr>
<th>Number of poles</th>
<th>Size</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU</th>
<th>P (unit)</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-pole for 3 bars</td>
<td>I</td>
<td>3WL9111-0AN41-0AA0</td>
<td>1 1 unit 103</td>
<td>0.700</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>3WL9111-0AN42-0AA0</td>
<td>1 1 unit 103</td>
<td>1.350</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>3WL9111-0AN43-0AA0</td>
<td>1 1 unit 103</td>
<td>2.420</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-pole for 4 bars</td>
<td>I</td>
<td>3WL9111-0AN44-0AA0</td>
<td>1 1 unit 103</td>
<td>2.200</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>3WL9111-0AN45-0AA0</td>
<td>1 1 unit 103</td>
<td>2.200</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>3WL9111-0AN46-0AA0</td>
<td>1 1 unit 103</td>
<td>3.200</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Rear vertical main connections**

<table>
<thead>
<tr>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU</th>
<th>P (unit)</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Up to 1000 A</td>
<td>3WL9111-0AN15-0AA0</td>
<td>1 1 unit 103</td>
<td>0.660</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1250 A ... 2000 A</td>
<td>3WL9111-0AN16-0AA0</td>
<td>1 1 unit 103</td>
<td>0.670</td>
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<td></td>
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</tr>
<tr>
<td>II</td>
<td>Up to 2000 A</td>
<td>3WL9111-0AN17-0AA0</td>
<td>1 1 unit 103</td>
<td>1.150</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2500 A A ... 3200 A</td>
<td>3WL9111-0AN18-0AA0</td>
<td>1 1 unit 103</td>
<td>1.490</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1600 A ... 3200 A</td>
<td>3WL9111-0AN21-0AA0</td>
<td>1 1 unit 103</td>
<td>2.580</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1600 A ... 3200 A</td>
<td>3WL9111-0AN38-0AA0</td>
<td>1 1 unit 103</td>
<td>2.600</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>Up to 5000 A</td>
<td>3WL9111-0AN22-0AA0</td>
<td>1 1 unit 103</td>
<td>6.380</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 6300 A, 3 busbar connection pieces for 3-pole circuit breakers</td>
<td>3WL9111-0AN23-0AA0</td>
<td>1 1 unit 103</td>
<td>19.170</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 6300 A, at top, 4 busbar connection pieces for 4-pole circuit breakers</td>
<td>3WL9111-0AN20-0AA0</td>
<td>1 1 unit 103</td>
<td>18.410</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 6300 A, at bottom, 4 busbar connection pieces for 4-pole circuit breakers</td>
<td>3WL9111-0AN10-0AA0</td>
<td>1 1 unit 103</td>
<td>18.300</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Rear horizontal main connections**

<table>
<thead>
<tr>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU</th>
<th>P (unit)</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Up to 1000 A</td>
<td>3WL9111-0AN15-0AA0</td>
<td>1 1 unit 103</td>
<td>0.660</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1250 A ... 2000 A</td>
<td>3WL9111-0AN33-0AA0</td>
<td>1 1 unit 103</td>
<td>0.770</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Up to 2000 A</td>
<td>3WL9111-0AN16-0AA0</td>
<td>1 1 unit 103</td>
<td>1.020</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2500 A A ... 3200 A</td>
<td>3WL9111-0AN35-0AA0</td>
<td>1 1 unit 103</td>
<td>1.240</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1600 A A ... 3200 A</td>
<td>3WL9111-0AN36-0AA0</td>
<td>1 1 unit 103</td>
<td>2.170</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1600 A A ... 3200 A</td>
<td>3WL9111-0AN47-0AA0</td>
<td>1 1 unit 103</td>
<td>2.150</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>Up to 5000 A</td>
<td>3WL9111-0AN17-0AA0</td>
<td>1 1 unit 103</td>
<td>3.860</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Connecting flange**

<table>
<thead>
<tr>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU</th>
<th>P (unit)</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Up to 1000 A</td>
<td>3WL9111-0AN24-0AA0</td>
<td>1 1 unit 103</td>
<td>0.610</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1250 A ... 2000 A</td>
<td>3WL9111-0AN25-0AA0</td>
<td>1 1 unit 103</td>
<td>0.640</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Up to 2000 A</td>
<td>3WL9111-0AN26-0AA0</td>
<td>1 1 unit 103</td>
<td>0.980</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 2500 A</td>
<td>3WL9111-0AN27-0AA0</td>
<td>1 1 unit 103</td>
<td>1.020</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 3200 A</td>
<td>3WL9111-0AN28-0AA0</td>
<td>1 1 unit 103</td>
<td>1.310</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>Up to 4000 A</td>
<td>3WL9111-0AN31-0AA0</td>
<td>1 1 unit 103</td>
<td>2.370</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

1) When using front-accessible mains connections (withdrawable circuit breakers) supports are required.
2) Not for 3WL size I with high breaking capacity H.
3) Only for circuit breakers with very high breaking capacity C.
4) Not for circuit breakers with very high breaking capacity C.
# Air Circuit Breakers
3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC

## Accessories and spare parts

<table>
<thead>
<tr>
<th>Designation</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU (UNIT, SET, M)</th>
<th>Weight per PU approx.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conversion sets</td>
<td>Conversion set for converting fixed-mounted circuit breakers into withdrawable circuit breakers</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of poles</td>
<td>Size</td>
<td>Article No.</td>
<td>Price per PU</td>
<td>PU (UNIT, SET, M)</td>
<td>Weight per PU approx.</td>
</tr>
<tr>
<td>3-pole</td>
<td>I</td>
<td>3WL9111-0BC11-0AA0</td>
<td>1 1 unit 103</td>
<td>5.100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>3WL9111-0BC12-0AA0</td>
<td>1 1 unit 103</td>
<td>5.900</td>
<td></td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>3WL9111-0BC13-0AA0</td>
<td>1 1 unit 103</td>
<td>8.100</td>
<td></td>
</tr>
<tr>
<td>4-pole</td>
<td>I</td>
<td>3WL9111-0BC14-0AA0</td>
<td>1 1 unit 103</td>
<td>6.400</td>
<td></td>
</tr>
<tr>
<td></td>
<td>II</td>
<td>3WL9111-0BC15-0AA0</td>
<td>1 1 unit 103</td>
<td>6.450</td>
<td></td>
</tr>
<tr>
<td></td>
<td>III</td>
<td>3WL9111-0BC16-0AA0</td>
<td>1 1 unit 103</td>
<td>10.700</td>
<td></td>
</tr>
</tbody>
</table>

## Main contact elements

### Main contact elements

<table>
<thead>
<tr>
<th>Size</th>
<th>I&lt;sub&gt;n&lt;/sub&gt; max.</th>
<th>Article No.</th>
<th>Price per PU</th>
<th>PU (UNIT, SET, M)</th>
<th>Weight per PU approx.</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Up to 1600 A</td>
<td>3WL9111-0AM90/L1Y&lt;sup&gt;3&lt;/sup&gt;</td>
<td>1 1 unit 103</td>
<td>2.800</td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Up to 2500 A</td>
<td>3WL9111-0AM91/L1Y&lt;sup&gt;3&lt;/sup&gt;</td>
<td>1 1 unit 103</td>
<td>5.870</td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>Up to 4000 A</td>
<td>3WL9111-0AM92/L1Y&lt;sup&gt;3&lt;/sup&gt;</td>
<td>1 1 unit 103</td>
<td>7.700</td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>Up to 6300 A</td>
<td>3WL9111-0AM93/L1Y&lt;sup&gt;3&lt;/sup&gt;</td>
<td>1 1 unit 103</td>
<td>13.740</td>
<td></td>
</tr>
</tbody>
</table>

### Notes

- The circuit breaker ID No. must be specified when ordering.
- Specified for each connection (depending on the number of poles on the circuit breaker, order 3 or 4 units).
- Article No. is automatically adapted to the circuit breaker ID No.

---

1) Conversion from fixed-mounted to withdrawable is not possible for 3WL circuit breakers with very high breaking capacity C.
2) Not for circuit breakers with very high breaking capacity C.
3) Please specify the circuit breaker ID No. in plain text when ordering.
4) Replacement of the main contact elements for 3WL circuit breakers with very high breaking capacity C is only possible at the factory.
## Accessories and spare parts

**Withdrawable short-circuiting, grounding and bridging units**

Withdrawable short-circuiting, grounding and bridging units

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

<table>
<thead>
<tr>
<th>Number of poles</th>
<th>Rated current (I_n)</th>
<th>Size</th>
<th>DT</th>
<th>Article No.</th>
<th>Price per PU PU (UNIT, SET, M)</th>
<th>PS*</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-pole</td>
<td>Up to 1600 A</td>
<td>I</td>
<td></td>
<td>3WL9111-0BD01-0AA0</td>
<td>1 1 unit 103 30.000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 3200 A</td>
<td>II</td>
<td></td>
<td>3WL9111-0BD03-0AA0</td>
<td>1 1 unit 103 40.500</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 6300 A</td>
<td>III</td>
<td></td>
<td>3WL9111-0BD05-0AA0</td>
<td>1 1 unit 103 65.000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-pole</td>
<td>Up to 1600 A</td>
<td>I</td>
<td></td>
<td>3WL9111-0BD02-0AA0</td>
<td>1 1 unit 103 35.000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 3200 A</td>
<td>II</td>
<td></td>
<td>3WL9111-0BD04-0AA0</td>
<td>1 1 unit 103 46.000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 6300 A</td>
<td>III</td>
<td></td>
<td>3WL9111-0BD06-0AA0</td>
<td>1 1 unit 103 70.000</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Conversion for the following applications is possible**

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

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

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

Bottom system component is short-circuited and grounded, infeed from top
## Options

### Structure of the Article No.

**Example**

<table>
<thead>
<tr>
<th>Position</th>
<th>Description</th>
<th>Article No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5th</td>
<td>Size</td>
<td>2</td>
</tr>
<tr>
<td>6th and 7th</td>
<td>Max. rated circuit breaker current $I_{\text{max}}$</td>
<td>2000 A</td>
</tr>
<tr>
<td>8th</td>
<td>Breaking capacity class</td>
<td>High breaking capacity</td>
</tr>
<tr>
<td>9th</td>
<td>Electronic Trip Units</td>
<td>ETU76B with graphics display...</td>
</tr>
<tr>
<td>10th</td>
<td>Electronic Trip Unit supplement</td>
<td>... with ground-fault protection</td>
</tr>
<tr>
<td>11th</td>
<td>Number of poles</td>
<td>Three-pole</td>
</tr>
<tr>
<td>12th</td>
<td>Installation type</td>
<td>Fixed-mounted, main connections on rear, vertical</td>
</tr>
<tr>
<td>13th</td>
<td>Operating mechanisms</td>
<td>Manual operating mechanism with mechanical closing</td>
</tr>
<tr>
<td>14th</td>
<td>1st auxiliary release</td>
<td>Shunt release 50/60 Hz 110 V AC</td>
</tr>
<tr>
<td>15th</td>
<td>2nd auxiliary release</td>
<td>Without 2nd auxiliary release</td>
</tr>
<tr>
<td>16th</td>
<td>Auxiliary switches</td>
<td>2 NO contacts + 2 NC contacts</td>
</tr>
</tbody>
</table>

### Accessories: With first order (components are already mounted)

**Example**

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL1 220-4NG311FA2</td>
<td>Communications interface &quot;Standard&quot; + Breaker Status Sensor (BSS) + communication module COM15 for connection to PROFIBUS DP</td>
</tr>
</tbody>
</table>

**"–Z" with order code**

<table>
<thead>
<tr>
<th>Z</th>
<th>Communication interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>PROFIBUS DP</td>
</tr>
</tbody>
</table>

### Accessories: For retrofitting (components for subsequent fitting)

**Example**

<table>
<thead>
<tr>
<th>Article No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WL9110BAA210AA0</td>
<td>Interlocking set for mechanical ON/OFF without lock</td>
</tr>
</tbody>
</table>

### Documentation

<table>
<thead>
<tr>
<th>Operating manual</th>
<th>Complete set</th>
<th>PROFIBUS Communication manual</th>
<th>MODBUS Communication manual</th>
</tr>
</thead>
<tbody>
<tr>
<td>German/English</td>
<td>French/Italian</td>
<td>German</td>
<td>German</td>
</tr>
<tr>
<td>Article No.</td>
<td>Article No.</td>
<td>Article No.</td>
<td>Article No.</td>
</tr>
<tr>
<td>3ZX18 12-0WL00-0AN1</td>
<td>3ZX18 12-0WL00-0AJ1</td>
<td>A5E0151347</td>
<td>A5E0151353</td>
</tr>
</tbody>
</table>

### More information

- **Free download of documentation from**
  - [www.siemens.com/lowvoltage/manuals](http://www.siemens.com/lowvoltage/manuals)

- **Up-to-date information on the Internet at:**
  - [www.siemens.com/sentron](http://www.siemens.com/sentron)
### Selection and ordering data

For general data, see page 1/9.

#### 3-pole non-automatic air circuit breakers

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n\text{ max.}}$</th>
<th>DT</th>
<th>Article No.: <a href="http://www.siemens.com/product?Article">www.siemens.com/product?Article</a> No.</th>
<th>Price per PU PU (UNIT, SET, M)</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Options

- **Non-automatic air circuit breakers**
  - Without Electronic Trip Units
    - Add. price: None

- **Operating mechanisms**
  - Manual operating mechanism with mechanical closing
    - Add. price: None

For further Article No. supplements, see page 1/38.

#### 4-pole non-automatic air circuit breakers

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{n\text{ max.}}$</th>
<th>DT</th>
<th>Article No.: <a href="http://www.siemens.com/product?Article">www.siemens.com/product?Article</a> No.</th>
<th>Price per PU PU (UNIT, SET, M)</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx. kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Options

- **Non-automatic air circuit breakers**
  - Without Electronic Trip Units
    - Add. price: None

- **Operating mechanisms**
  - Manual operating mechanism with mechanical closing
    - Add. price: None

For further Article No. supplements, see page 1/38.

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

### Condition

For voltages over 600 V use the version for 1000 V DC rated voltage for size II: Order with "-Z" and order code "A05". All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see "3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", page 1/39 onwards.

An external overload and short-circuit protection device is available from the company "mat" for the 3WL non-automatic air circuit breakers. Available only directly from the company mat – Maschinen- und Anlagentechnik (for address, see page 1/69).

### Note

For voltages over 600 V use the version for 1000 V DC rated voltage for size II: Order with "-Z" and order code "A05". All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see "3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", page 1/39 onwards.

- **Add. price**

  - Additional price
  - Provisions to dissipate heat must be made on the line side.

2) For permissible rated short-time current $I_{ct}$ and short-circuit breaking capacity $I_{cc}$ for non-automatic air circuit breakers, see page 1/5.

3) 3WL1120-8 DC non-automatic air circuit breakers are designed for a rated voltage of 1000 V DC.
### Air Circuit Breakers

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

#### 3- and 4-pole, withdrawable versions

### Selection and ordering data

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_n$ max.</th>
<th>3-pole non-automatic air circuit breakers</th>
<th>Price per PU</th>
<th>Weight per PU approx.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>DT</td>
<td>DC</td>
<td>(UNIT, SET, M)</td>
<td>kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>3WL</strong>1210-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>60.000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>3WL</strong>1220-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>60.000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>3WL</strong>1240-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>68.000</td>
</tr>
</tbody>
</table>

### Without guide frames (for guide frames, see page 1/70)

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_n$ max.</th>
<th>3-pole non-automatic air circuit breakers</th>
<th>Price per PU</th>
<th>Weight per PU approx.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>DT</td>
<td><strong>3WL</strong>1210-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>91.000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>3WL</strong>1220-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>91.000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>3WL</strong>1240-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>113.000</td>
</tr>
</tbody>
</table>

### With guide frames, horizontal main circuit connection

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_n$ max.</th>
<th>3-pole non-automatic air circuit breakers</th>
<th>Price per PU</th>
<th>Weight per PU approx.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>DT</td>
<td><strong>3WL</strong>1210-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>91.000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>3WL</strong>1220-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>91.000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>3WL</strong>1240-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>113.000</td>
</tr>
</tbody>
</table>

### With guide frames, vertical main circuit connection

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_n$ max.</th>
<th>3-pole non-automatic air circuit breakers</th>
<th>Price per PU</th>
<th>Weight per PU approx.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>DT</td>
<td><strong>3WL</strong>1210-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>91.000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>3WL</strong>1220-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>91.000</td>
</tr>
<tr>
<td></td>
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<td><strong>3WL</strong>1240-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>113.000</td>
</tr>
</tbody>
</table>

### With guide frames, connecting flanges

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_n$ max.</th>
<th>3-pole non-automatic air circuit breakers</th>
<th>Price per PU</th>
<th>Weight per PU approx.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>DT</td>
<td><strong>3WL</strong>1210-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>91.000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>3WL</strong>1220-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>91.000</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>3WL</strong>1240-8-□□□□□</td>
<td>1 1 unit 103</td>
<td>113.000</td>
</tr>
</tbody>
</table>

### Options

<table>
<thead>
<tr>
<th>Non-automatic air circuit breakers</th>
<th>Without Electronic Trip Units</th>
<th>Additional price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AA</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Operating mechanisms</td>
<td>Manual operating mechanism with mechanical closing</td>
<td>1AA2 None</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Size</th>
<th>Condition</th>
<th>Rated voltage 1000 V DC</th>
<th>Rated current $I_n$</th>
<th>Size</th>
<th>Tinned version of the customer’s connections on the guide frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Up to 2000 A</td>
<td>Up to 2000 A</td>
<td>Up to 4000 A</td>
<td>II</td>
<td>Only for circuit breakers in withdrawing version with horizontal connection or flange connection. The normal delivery time increases to 15 work days.</td>
</tr>
</tbody>
</table>

**Note**

For voltages over 600 V use the version for 1000 V DC rated voltage. Order with “-Z” and order code “A05”.

All other accessory parts must be ordered by specifying “-Z” and the corresponding order code, see “3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC”, “Options”, page 1/39 onwards.

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

Available only directly from the company mat – Maschinen- und Anlagentechnik (for address, see page 1/6).
### Selection and ordering data

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{\text{n max.}}$</th>
<th>DT</th>
<th>4-pole non-automatic air circuit breakers</th>
<th>DC</th>
<th>PU (UNIT, SET, M)</th>
<th>PS?/P. unit</th>
<th>PG</th>
<th>Weight per PU approx.</th>
<th>kg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Article No.</td>
<td></td>
<td><a href="http://www.siemens.com/">www.siemens.com/</a></td>
<td></td>
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<td></td>
<td>Price per PU</td>
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</tr>
<tr>
<td>Without guide frames (for guide frames, see page 1/70)</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>II</td>
<td>1000</td>
<td></td>
<td>3WL1210-8□□□45□□□□□□□□□□□□□□□□□</td>
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<td>1 unit 103</td>
<td>75.000</td>
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<tr>
<td></td>
<td>2000</td>
<td></td>
<td>3WL1220-8□□□45□□□□□□□□□□□□□□□□</td>
<td>1</td>
<td>1 unit 103</td>
<td>75.000</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>4000(1)</td>
<td></td>
<td>3WL1240-8□□□45□□□□□□□□□□□□□□□□</td>
<td>1</td>
<td>1 unit 103</td>
<td>82.000</td>
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<tr>
<td>With guide frames, horizontal main circuit connection</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>1000</td>
<td></td>
<td>3WL1210-8□□□46□□□□□□□□□□□□□□□□</td>
<td>1</td>
<td>1 unit 103</td>
<td>109.000</td>
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<td></td>
<td>2000</td>
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<td>3WL1220-8□□□46□□□□□□□□□□□□□□□□</td>
<td>1</td>
<td>1 unit 103</td>
<td>109.000</td>
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<td></td>
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<tr>
<td></td>
<td>4000(1)</td>
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<td>3WL1240-8□□□46□□□□□□□□□□□□□□□□</td>
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<td>1 unit 103</td>
<td>136.000</td>
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<tr>
<td>With guide frames, vertical main circuit connection</td>
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<td>II</td>
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<tr>
<td></td>
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<td>3WL1220-8□□□47□□□□□□□□□□□□□□□□</td>
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<td>1 unit 103</td>
<td>109.000</td>
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<td></td>
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</tr>
<tr>
<td></td>
<td>4000(1)</td>
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<td>1 unit 103</td>
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<tr>
<td>With guide frames, connecting flanges</td>
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<td></td>
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<tr>
<td>II</td>
<td>1000</td>
<td></td>
<td>3WL1210-8□□□48□□□□□□□□□□□□□□□□</td>
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<td>1 unit 103</td>
<td>109.000</td>
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<tr>
<td></td>
<td>2000</td>
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<td>3WL1220-8□□□48□□□□□□□□□□□□□□□□</td>
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<td>1 unit 103</td>
<td>109.000</td>
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</tr>
<tr>
<td></td>
<td>4000(1)</td>
<td></td>
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<td>1 unit 103</td>
<td>136.000</td>
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</table>

### Options

<table>
<thead>
<tr>
<th>Non-automatic air circuit breakers(2)</th>
<th>Without Electronic Trip Units</th>
<th>Additional price</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating mechanisms</td>
<td>Manual operating mechanism with mechanical closure</td>
<td>1AA2</td>
<td>None</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Addendum</th>
<th>3WL12.0-8..4.-....-Z</th>
<th>Additional price 4-pole</th>
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</thead>
</table>

**Condition**

<table>
<thead>
<tr>
<th>Size</th>
<th>Rated current $I_n$</th>
<th>Additional</th>
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<tbody>
<tr>
<td>II</td>
<td>Up to 2000 A</td>
<td>A 0 5</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>Up to 4000 A</td>
<td>A 0 8</td>
<td>✓</td>
</tr>
</tbody>
</table>

**Note**

For voltages over 600 V use the version for 1000 V DC rated voltage: Order with "-Z" and order code "A05".

All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see "3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", page 1/39 onwards.

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

Available only directly from the company mat – Maschinen- und Anlagentechnik(5).

Additional price

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

---

* You can order this quantity or a multiple thereof.

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### Accessories and spare parts

#### Air Circuit Breakers

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

### Selection and ordering data

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

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current $I_{\text{in max.}}$</th>
<th>DT</th>
<th>Guide frames for 3-pole non-automatic air circuit breakers</th>
<th>Price per PU</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*/P. unit</th>
<th>PG</th>
<th>Weight per PU approx.</th>
<th>kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front main circuit connection, single hole</td>
<td></td>
<td></td>
<td>3WL9212-3DA□□□□□□□□A1</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>31.000</td>
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<td></td>
</tr>
<tr>
<td>Front main circuit connection, double hole</td>
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<td></td>
<td>3WL9212-3DB□□□□□□□□A1</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>31.000</td>
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</tr>
<tr>
<td>Horizontal main circuit connection</td>
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<td>3WL9212-3DC□□□□□□□□A1</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>31.000</td>
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</tr>
<tr>
<td>Vertical main circuit connection</td>
<td></td>
<td></td>
<td>3WL9212-3DD□□□□□□□□A1</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>31.000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Main circuit connection connecting flanges</td>
<td></td>
<td></td>
<td>3WL9212-3DE□□□□□□□□A1</td>
<td>1</td>
<td>1 unit</td>
<td>103</td>
<td>31.000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Options

<table>
<thead>
<tr>
<th>Number of auxiliary supply connectors</th>
<th>None</th>
<th>1 connector</th>
<th>2 connectors</th>
<th>3 connectors</th>
<th>4 connectors</th>
<th>Additional price 3-pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>0</td>
<td>✓</td>
<td>1</td>
<td>✓</td>
<td>2</td>
<td>✓</td>
</tr>
<tr>
<td>1 connector</td>
<td>1</td>
<td>✓</td>
<td>2</td>
<td>✓</td>
<td>3</td>
<td>✓</td>
</tr>
<tr>
<td>2 connectors</td>
<td>2</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 connectors</td>
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<td>✓</td>
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<td></td>
<td></td>
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<tr>
<td>4 connectors</td>
<td>4</td>
<td>✓</td>
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<td></td>
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</tr>
</tbody>
</table>

#### Notes

- For required number of auxiliary supply connectors, see table on page 1/45.
- For guide frames for 4-pole DC non-automatic air circuit breakers, see the following page.
- All other accessory parts must be ordered by specifying "-Z" and the corresponding order code, see "3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC", "Options", page 1/39 onwards.

---

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

**Accessories and spare parts**

<table>
<thead>
<tr>
<th>Size</th>
<th>Max. rated circuit breaker current</th>
<th>DT</th>
<th>Guide frames for 4-pole non-automatic air circuit breakers</th>
<th>PU (UNIT, SET, M)</th>
<th>PS*/ P. unit</th>
<th>PG</th>
<th>Weight per PU approx.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Price per PU</td>
<td>1 unit</td>
<td>103</td>
<td>37.000</td>
<td></td>
</tr>
</tbody>
</table>

#### Front main circuit connection, single hole

- **II 2000**
  - Article No.: 3WL9212-3EA(A1)
  - Additional price: A1

#### Front main circuit connection, double hole

- **II 2000**
  - Article No.: 3WL9212-3EB(A1)
  - Additional price: A1

#### Horizontal main circuit connection

- **II 2000**
  - Article No.: 3WL9212-3EC(A1)
  - Additional price: A1
- **II 4000**
  - Article No.: 3WL9212-6EC(A1)
  - Additional price: A1

#### Vertical main circuit connection

- **II 2000**
  - Article No.: 3WL9212-3ED(A1)
  - Additional price: A1
- **II 4000**
  - Article No.: 3WL9212-6ED(A1)
  - Additional price: A1

#### Main circuit connection connecting flanges

- **II 2000**
  - Article No.: 3WL9212-3EE(A1)
  - Additional price: A1
- **II 4000**
  - Article No.: 3WL9212-6EE(A1)
  - Additional price: A1

---

**Options**

- **Number of auxiliary supply connectors**
  - None: 0
  - 1 connector: 1
  - 2 connectors: 2
  - 3 connectors: 3
  - 4 connectors: 4

- **Type of auxiliary circuit connections**
  - None: 0
  - With screw connection (SIGUT, standard): 1
  - With screwless connection method (tension spring): 2

- **Position signaling switches**
  - None: 0
  - Option 1: Connected position 1 CO, test position 1 CO, disconnected position 1 CO: 1
  - Option 2: Connected position 3 CO, test position 2 CO, disconnected position 1 CO: 2

- **Shutters**
  - None: A
  - With shutter, 2-part, lockable: B

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

**Rated voltage 1000 V DC**

**Tinned version of the customer’s connections on the guide frame**

- **II**
  - A: 0

**Notes**

- For guide frames for 3-pole DC non-automatic air circuit breakers, see previous page.
- All other accessory parts must be ordered by specifying “Z” and the corresponding order code, see “3WL Air Circuit Breakers/Non-Automatic Air Circuit Breakers up to 6300 A (AC), IEC, “Options”, page 1/39 onwards.

Additional price

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