**Description**

**FAZ-DC**
- High-quality miniature circuit breakers for DC-applications
- Contact position indicator red - green
- Guide for secure terminal connection (not for FAZ-NA)
- 3-position DIN rail clip, permits removal from existing busbar system
- Comprehensive range of accessories suitable for subsequent installation
- Rated currents up to 50 A
- Tripping characteristic C
- Rated breaking capacity 10 kA according to IEC/EN 60947-2
- Up to 250 V DC per pole
## Characteristic C

### 1-pole

<table>
<thead>
<tr>
<th>Iₚ (A)</th>
<th>Iₑ (A)</th>
<th>Breaking capacity</th>
<th>Type Designation</th>
<th>Article No.</th>
<th>Units per package</th>
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<tbody>
<tr>
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<td>220</td>
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<td>FAZ-C2/1-DC</td>
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<tr>
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### 2-poles

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<th>Type Designation</th>
<th>Article No.</th>
<th>Units per package</th>
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</table>
## Technical Data

**FAZ-DC *)**

### Product standard
- IEC/EN 60947-2

### Number of poles
- 1, 2

### Mechanical
- **Device width**: 17.7 mm (1p), 36 mm (2p)
- **Frame size**: 45 mm
- **Device height**: 80 mm
- **Device depth**: 60 mm
- **Terminals**: lift terminal
- **Terminal capacity**: rigid solid/stranded wire 1-25 mm²
- **Terminal screw**: M5 (with slotted screw acc. to EN ISO 4757-Z2, PZ2)
- **Fastening torque of terminal screws**: max. 2.4 Nm
- **Snap on fixing**: tristable (on DIN rail acc. to EN 50022)
- **Finger proof**: acc. to VBG4, ÖVE EN-6
- **Degree of protection (DIN VDE 0470)**:
  - Surface mounted: IP20
  - Built-in behind panel: IP40
- **Contact position indicator**: red / green

### Electrical
- **Rated voltage DC**: 2 A Type: 220V (per pole)
  - 3-50 A Types: 250V (per pole)
- **Rated current**:
  - Type C: 2, 3, 4, 6, 10, 13, 16, 20, 25, 32, 40, 50 A
- **Rated insulation voltage**: 440 V AC
- **Rated impulse withstand voltage**: 4 kV (1.2/50) μsec
- **Tripping characteristic**:
  - Conventional non-tripping current: \( I_{\text{nt}} = 1.13 I_n \)
  - Conventional tripping current: \( I_t = 1.45 I_n \)
  - Reference temperature: 30 °C
  - Temperature factor: 0.4%/K
- **Instantaneous tripping current**:
  - Type C: \( I_{\text{mt}} \leq I_{\text{lt}} \leq I_{\text{ant}} = 15 I_n (I_{\text{ant}} < 0.1 \text{ sec}) \)
- **Rated short-circuit breaking capacity**: 10 kA
- **Selectivity class**: 3
- **Number of electrical operations**: > 4,000
- **Number of mechanical operations**: > 20,000
- **Climatic conditions**: acc. to IEC 68-2 (25..55°C / 90..95% RH)
- **Operating temperature range**: -40°C up to +75°C

*) not for PV string protection!

### Connection diagram

#### 1-pole
- Diagram showing connection points for 1-pole devices.

#### 2-poles
- Diagram showing connection points for 2-poles devices.

### Dimensions (mm) FAZ-...-DC

#### 1-pole
- Diagram showing dimensions for 1-pole devices.

#### 2-poles
- Diagram showing dimensions for 2-poles devices.
Connection examples FAZ-...-DC

Connection example at 250V=, 1-pole

Connection example at 500V=, 2-poles

Tripping Characteristics FAZ-...-DC

Characteristics C - IEC/EN 60947-2

Maximum Let-Through Energy FAZ-...-DC

Type C