General Data

Type Reference: AZ...
Description: Twin Contact Block, separate plungers, positive opening contact
Approvals:
CCC, cCSAus, ENEC05, KEMA, CE, NV, TÜV Süd
Protection class: II (protective insulation)
Operation travel: 6 mm
Connection type: Faston terminals 2.8x0.8 mm
Contact material: AgNi
Max. storage temperature: -50°C ... 85°C
Max. operating temperature: -30°C ... 70°C
Mechanical life: 1 m switching cycles
Electrical life (rated load): 1m operations at rated load
Contact resistance NO: < 20 mOhm (new state)
Contact resistance NC: < 20 mOhm (new state)
Min. current: 1 mA (under laboratory conditions)
Min. voltage: 5 V
Bouncing time NO: < 10 ms
Bouncing time NC: < 20 ms
Positive opening contact: acc. to EN60947-5-1, appendix. K

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

Utilisation category: AC15 A300, DC13 Q300
Rated insulation voltage Ui: 250 V, 300 V
Rated operating voltage Ue: 250 V, 250V / 125V / 60V / 24V
Rated operating current Ie: 3A, 0.2A / 0.4A / 1A / 2A
Breaking capacity: 10le, 1,1le
Continuous thermal current: 6 A

Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)

Rated voltage Ue: 250 V~
Rated current le: 6(4) A

Electrical Features - 5μm gold-plating, type addition ...AU

Switching voltage: 20mV ... 42V AC/DC
Switching current: 1mA ... 250mA
Contact resistance [new state]: < 50 mOhm

Note
Notice for emergency-stop contact blocks:
For inverters of the Za type (as defined in EN 60947-5-1), only the NC contact must be used for remotely controlled safety circuits.

The electrical data acc. to UL/CSA may deviate.
Mounting Instructions

1.

2.

3.

KLICK

20°
### Contact Blocks

#### Faston terminals 2.8x0.8 mm

<table>
<thead>
<tr>
<th>Illustration</th>
<th>Description</th>
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</table>
| ![Contact Block, momentary 1NC + 1NO + 1NO early make](image) | Contact Block, momentary 1NC + 1NO + 1NO early make  
Faston terminals 2.8x0.8 mm 
suitable plug-in socket XAP8  
suitable actuators:  
contact material: AgNi  
AZ011  
AZ011 AU | |
| ![Two-step Contact Block, momentary 1NC + 1NO + 1NO early make](image) | Two-step Contact Block, momentary 1NC + 1NO + 1NO early make  
Faston terminals 2.8x0.8 mm 
suitable plug-in socket XAP10  
suitable actuators:  
contact material: AgNi  
AZ011 97 | |
| ![Contact Block, momentary 2NC](image) | Contact Block, momentary 2NC  
Faston terminals 2.8x0.8 mm 
suitable plug-in socket XAP4  
suitable actuators:  
contact material: AgNi  
AZ00  
AZ00 AU | |
| ![Contact Block, momentary 4NC](image) | Contact Block, momentary 4NC  
Faston terminals 2.8x0.8 mm 
suitable plug-in socket XAP8  
suitable actuators:  
contact material: AgNi  
AZ4O | |
| ![Illuminated Contact Block, momentary 4NC](image) | Illuminated Contact Block, momentary 4NC  
Faston terminals 2.8x0.8 mm 
suitable plug-in socket XAP10  
lamp socket T5,5K  
suitable actuators:  
contact material: AgNi  
AZL4O | |
| ![Contact Block, momentary 1NC + 1NO + 1centre contact](image) | Contact Block, momentary 1NC + 1NO + 1centre contact  
Faston terminals 2.8x0.8 mm 
suitable plug-in socket XAP8  
suitable actuators:  
contact material: AgNi  
AZ111  
AZ111 AU | |
| ![Contact Block, momentary 4NO](image) | Contact Block, momentary 4NO  
Faston terminals 2.8x0.8 mm 
suitable plug-in socket XAP8  
suitable actuators:  
contact material: AgNi  
AZ4I | |
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<tr>
<td><img src="image1.png" alt="Diagram" /></td>
<td>Illuminated Contact Block, momentary</td>
<td>4NO</td>
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<td>Faston terminals 2.8x0.8 mm</td>
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<td>suitable plug-in socket XAP10</td>
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<td>T5,5K</td>
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<td></td>
<td>suitable actuators</td>
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<td>contact material</td>
<td>AgNi</td>
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<tr>
<td><img src="image2.png" alt="Diagram" /></td>
<td>Contact Block, momentary</td>
<td>2NC+2NO</td>
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<tr>
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<td>Faston terminals 2.8x0.8 mm</td>
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<td>suitable plug-in socket XAP8</td>
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<td><img src="image3.png" alt="Diagram" /></td>
<td>Contact Block, momentary</td>
<td>2NC+2NO</td>
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<td>Faston terminals 2.8x0.8 mm</td>
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<td>suitable plug-in socket XAP8</td>
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<tr>
<td><img src="image4.png" alt="Diagram" /></td>
<td>Contact Block, momentary</td>
<td>1 NO early make + 1 NC late break</td>
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<td>Faston terminals 2.8x0.8 mm</td>
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<td>suitable plug-in socket XAP8</td>
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<td></td>
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<td>contact material</td>
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<tbody>
<tr>
<td><img src="image5.png" alt="Diagram" /></td>
<td>Momentary Contact Block for Emergency Stops, with failure switch-off *)</td>
<td>2NC + 1NO</td>
</tr>
<tr>
<td></td>
<td>Faston terminals 2.8x0.8 mm</td>
<td></td>
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<tr>
<td></td>
<td>*) 1 NC, 1 NO and 1 safety circuit, consisting of 1 NC for emergency stop connected in series with 1 NO, which is always closed during operation but opens automatically once the actuator and contact block are separated from each other.</td>
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<tr>
<td></td>
<td>suitable plug-in socket XAP8</td>
<td></td>
</tr>
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<td></td>
<td>suitable actuators</td>
<td></td>
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<tr>
<td></td>
<td>contact material</td>
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*AZOSOI*  
*AZOSOI_AU*
**Contact Blocks**

Faston terminals 2.8x0.8 mm

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**Illustration**

![Contact Blocks Illustration](image_url)

**Description**

**Momentary Contact Block for Emergency Stops with failure switch-off (*)**

- Faston terminals 2.8x0.8 mm
- (*) 2 safety circuits, consisting of 1 NC for emergency stop connected in series with 1 NO, which is always closed during operation but opens automatically once the actuator and contact block are separated from each other.

**Plug-in Socket XAP8**

PCB-mount terminals with 8 pins

- Suitable actuators
  - Contact material: AgNi
  - Contact material: AgNi, gold-plated
  - Type: AZSOSO, AZSOSO_AU

**Plug-in Socket XAP4**

PCB-mount terminals with 4 pins

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### Contact Blocks

**Faston terminals 2.8x0.8 mm**

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</table>
| ![Plug-in Socket](image) | Plug-in Socket  
PCB-mount terminals with 10 pins | XAP10 |
| ![Insulating Case](image) | Insulating Case  
for Faston clamp FH2,8, slip on from the front | IH2,8 |
| ![Faston Clamp](image) | Faston Clamp 2.8 x 0.8 mm with snap-in pin  
Cross section 0.75 - 1.50 mm², tin-plated brass, with pin to snapfit into the sockets XA, XAL and the insulating case IH2.8 | FH2,8 |
| ![Double Faston](image) | Double Faston  
for the connection of 2 Faston clamps FH2.8 | FD2,8 |
| ![Ultra-bright LED, T5,5K socket, 12V](image) | Ultra-bright LED, T5,5K socket, 12V  
with integrated series resistor and half-wave rectifier, for 12 V AC/DC (7/14 mA)  
When connecting to DC, the correct polarity must be observed:  
+ ... X1/- ... X2  
storage temperature: -25°C ... +80°C  
ambient temperature: -20°C ... +60°C  
voltage tolerance: + 10 %  
colour white | L5,5K12UW |
| ![Ultra-bright LED, T5,5K socket, 24V](image) | Ultra-bright LED, T5,5K socket, 24V  
with integrated series resistor and half-wave rectifier, for 24 V AC/DC (7/14 mA)  
When connecting to DC, the correct polarity must be observed:  
+ ... X1/- ... X2  
storage temperature: -25°C ... +80°C  
ambient temperature: -20°C ... +60°C  
voltage tolerance: + 10 %  
colour white | L5,5K24UW |

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<td><img src="image" alt="LED Adapter" /></td>
<td>LED Adapter for LEDs of 3 and 5 mm Ø to be used in T5.5K sockets, an external resistor must be provided.</td>
<td>LA5,5</td>
</tr>
<tr>
<td><img src="image" alt="Voltage Reducer (for LEDs)" /></td>
<td>Voltage Reducer (for LEDs) VE_LED230 Faston terminals 2.8x0.8 mm to operate a LED at 230V AC.</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Cable Set with Faston connections" /></td>
<td>Cable Set with Faston connections VE.VK2,8 suitable for VE_LED230</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Cable Set with wire end ferrules" /></td>
<td>Cable Set with wire end ferrules VE.VKAE suitable for VE_LED230</td>
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