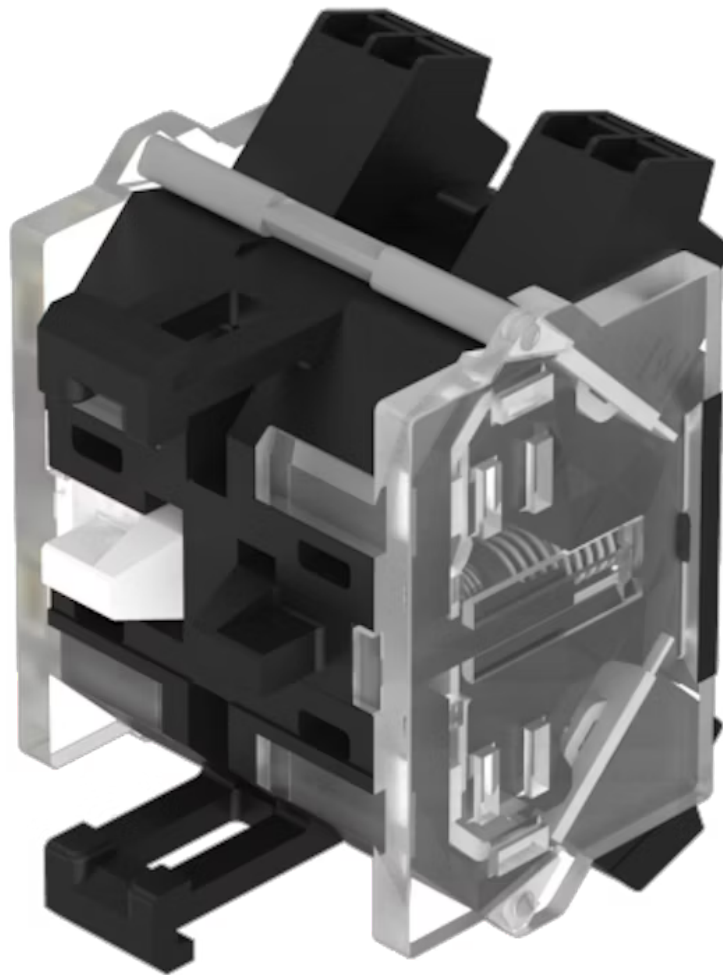


## Switching element - Not recommended for new design

704.917.4



<https://www.eao.com/component/704.917.4/en/sw...>

Your product:



## 704.917.4

### Switching element - Not recommended for new design

#### PRODUCT RANGE

**Product Status:**

Not Recommended for new design

**successor product:**

<https://www.eao.com/c/704.917.4-1>

#### ELECTRICAL CHARACTERISTICS

**Switching voltage and switching current:**

|                             |                   |       |
|-----------------------------|-------------------|-------|
| as per DIN EN IEC 60947-5-1 |                   |       |
| voltage                     | DC13              | AC15  |
| 24 V                        | 4.0 A             | 8.0 A |
| 60 V                        | 1.5 A             | 8.0 A |
| 110 V                       | 1.0 A             |       |
| 120 V                       |                   | 8.0 A |
| 230 V                       | 0.4 A             | 7.0 A |
| 400 V                       | 0.2 A             | 5.0 A |
| 500 V                       | 0.15 A            | 4.0 A |
| as per UL 60947-5-1         |                   |       |
| voltage                     | power             |       |
| 24 VDC                      | 4.0 A, Pilot duty |       |
| 60 VDC                      | 1.5 A, Pilot duty |       |
| 120 VDC                     | 1.0 A, Pilot duty |       |
| 240 VDC                     | 0.4 A, Pilot duty |       |
| 415 VDC                     | 0.2 A, Pilot duty |       |
| 480 VDC                     | 0.14A, Pilot duty |       |
| 120 VAC                     | 8.0 A, Pilot duty |       |
| 240 VAC                     | 7.0 A, Pilot duty |       |
| 415 VAC                     | 5.0 A, Pilot duty |       |
| 480 VAC                     | 4.0 A, Pilot duty |       |

**Contacts:**

2 NC

**Rated impulse withstand voltage U<sub>imp</sub>:**

4 kV, according to EN/IEC 60947-5-1

**Rated insulation voltage U<sub>i</sub>:**

500 V

**Recommended minimum operational data:**

|                      |        |
|----------------------|--------|
| Gold-silver contacts |        |
| Voltage              | 24 VDC |
| Current              | 5 mA   |
| Hard silver contacts |        |
| Voltage              | 24 VDC |
| Current              | 50 mA  |

**Switching rating:**

250 V AC @ 6 A

**Electrical lifetime:**

50 000 cycles of operation

|                                        |                                                                                                                                                                                                                                                            |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pollution degree:</b>               | 3                                                                                                                                                                                                                                                          |
| <b>Standards:</b>                      | The switches comply with the "Standards for low-voltage switching devices" EN IEC 60947-5-1                                                                                                                                                                |
| <b>Thermal current I<sub>th</sub>:</b> | 6 A 10 A Max. zulässiger Strom bei Dauerbetrieb und Umgebungstemperaturen, welche die angegebenen max. Werte nicht überschreiten. 10 A Max. permissible current for continuous operation and ambient temperatures not exceeding the specified max. values. |

## MECHANICAL CHARACTERISTICS

|                            |                                                                                                                                                                                                                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Terminal:</b>           | Push-in terminal                                                                                                                                                                                                                                                                    |
| <b>Contact material:</b>   | Gold                                                                                                                                                                                                                                                                                |
| <b>Switching system:</b>   | Slow-make switching element                                                                                                                                                                                                                                                         |
| <b>Switching system:</b>   | The double-break, slow-make switching element is equipped with one or two independent contact systems, acting as normally open or normally closed contact. The normally closed contact has forced opening. Slow-make contacts with forced action are ideal for high switch ratings. |
| <b>Operating force:</b>    | 1 Normally closed approx. 2 N, 1 Normally open approx. 3 N                                                                                                                                                                                                                          |
| <b>Wire cross section:</b> | Max. wire cross-section 2 wires with 1 mm<br>Skinning wire 8 mm<br>Max. wire cross-section of stranded cable 2 x 0.75 mm <sup>2</sup><br>use stranded wires only with wire end ferrules of 8 mm length<br>Only one polarity is allowed on each side when wiring.                    |
| <b>Weight:</b>             | 0.028 kg                                                                                                                                                                                                                                                                            |

## AMBIENT CONDITION

|                               |                                                                                                      |
|-------------------------------|------------------------------------------------------------------------------------------------------|
| <b>IP Protection:</b>         | IP20                                                                                                 |
| <b>Operating temperature:</b> | – 40 °C ... + 55 °C                                                                                  |
| <b>Storage temperature:</b>   | – 40 °C ... + 85 °C                                                                                  |
| <b>Shock resistance:</b>      | 300 m/s <sup>2</sup> , pulse width 18 ms, (single impacts, semi-sinusoidal as per EN IEC 60068-2-27) |
| <b>Climate resistance:</b>    | Relative humidity, max. 95%, non-condensing                                                          |

## CERTIFICATE

|                      |                                               |
|----------------------|-----------------------------------------------|
| <b>Approbations:</b> | CB (IEC 60947-5-1), cULus, DNV, EAC, NFF, VDE |
| <b>Conformities:</b> | CE, CCC, UKCA                                 |
| <b>REACH:</b>        | REACH compliant                               |
| <b>RoHS:</b>         | RoHS compliant                                |

## OTHER

### Short Description:

Switching element - Not recommended for new design, Slow-make switching element, 250 V AC @ 6 A, Gold, 2 NC, Push-in terminal

### Hints:

When using the switching element, the application guidelines must be observed.  
For the third switching element the terminal marking insert is to be ordered separately

Operating temperature: Other temperatures on request

### Special requirements:

Special requirements for positive-opening auxiliary current switches

Positive opening travel

Minimum force

Max. travel

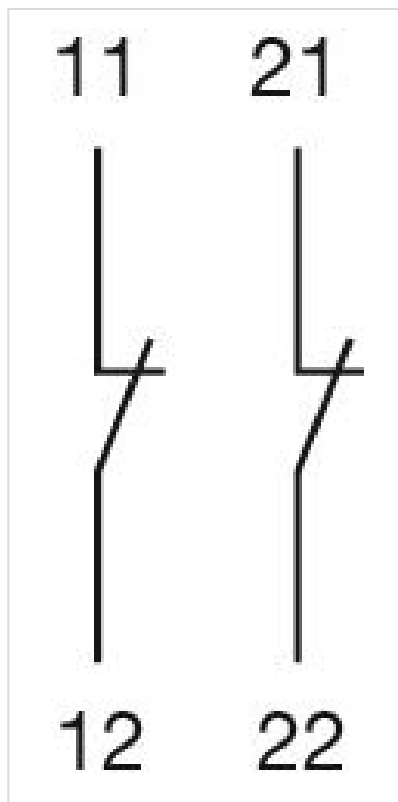
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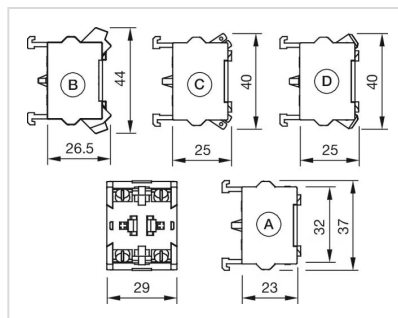
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### Wiring diagrams:



### Dimension drawings:



A = Screw terminal

B = Push-in terminal (PIT)

C = Plug-in terminal 6.3 mm x 0.8 mm

D = Double plug-in terminal 6.3 mm x 0.8 mm