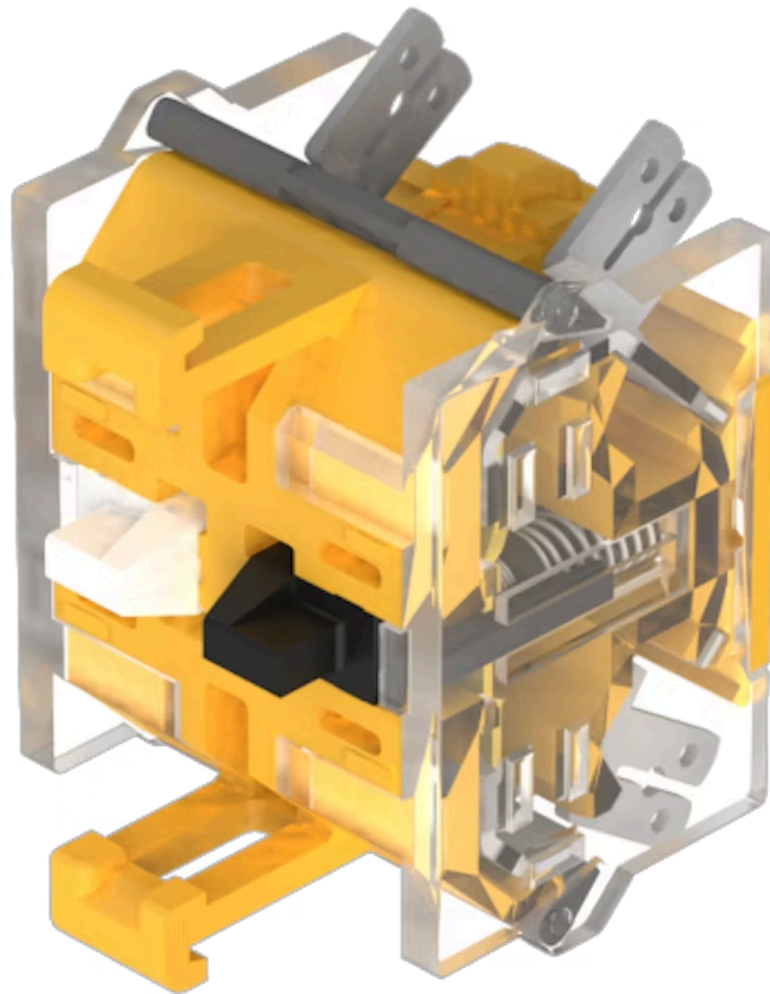


Switching element - discontinued item

704.905.3



<https://www.eao.com/component/704.905.3/en/sw...>

Your product:



704.905.3

Switching element - discontinued item

PRODUCT RANGE

Product Status: Phase-out

successor product: <https://www.eao.com/c/704.905.3-1>

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:

| | | | |
|-----------------------------|--|--------------------|-------|
| as per DIN EN IEC 60947-5-1 | | | |
| voltage | | DC13 | AC15 |
| 24 V | | 2,5 A | |
| 60 V | | 0,8 A | |
| 110 V | | 0,6 A | |
| 120 V | | | 4,5 A |
| 230 V | | 0,2 A | 4,5 A |
| 400 V | | 0,15 A | 4,0 A |
| 500 V | | 0,7 A | 2,5 A |
| as per UL 60947-5-1 | | | |
| voltage | | power | |
| 24 VDC | | 2,5 A, Pilot duty | |
| 60 VDC | | 0,8 A, Pilot duty | |
| 120 VDC | | 0,6 A, Pilot duty | |
| 240 VDC | | 0,2 A, Pilot duty | |
| 415 VDC | | 0,15 A, Pilot duty | |
| 480 VDC | | 0,07A, Pilot duty | |
| 120 VAC | | 4,5 A, Pilot duty | |
| 240 VAC | | 4,5 A, Pilot duty | |
| 415 VAC | | 4,0 A, Pilot duty | |
| 480 VAC | | 2,5 A, Pilot duty | |

For voltages greater than $U_e = 400$ V, the grid dimensions must not be less than 35 mm x 50 mm.

Contacts: 2 NO

Forward voltage:

Rated impulse withstand voltage U_{imp} : 4 kV, according to EN/IEC 60947-5-1

Rated insulation voltage U_i : 500 V

Recommended minimum operational data:

| | | | |
|----------------------|--------|---------|---------|
| Gold-silver contacts | | | |
| Voltage | 5 VDC | 24 VDC | 110 VDC |
| Current | 15 mA | 5 mA | 2 mA |
| Hard silver contacts | | | |
| Voltage | 24 VDC | 110 VDC | |
| Current | 50 mA | 10 mA | |

| | |
|--|--|
| Switching rating: | 500 V AC @ 6 A |
| Electrical lifetime: | 50 000 cycles of operation |
| Pollution degree: | 3 |
| Standards: | The switches comply with the "Standards for low-voltage switching devices" EN IEC 60947-5-1 |
| Thermal current I_{th}: | 10 A Max. permissible current for continuous operation and ambient temperatures not exceeding the specified max. values. |

MECHANICAL CHARACTERISTICS

| | |
|----------------------------|---|
| Terminal: | Plug-in terminal, 6.3 x 0.8 mm |
| Contact material: | Silver |
| Switching system: | Snap-action switching element |
| Switching system: | The double-break, snap-action switching element is equipped with one or two independent contact systems, acting as normally open or normally closed contact. The snap-action switching element is fitted with self-cleaning contacts. |
| Operating force: | 1 Normally closed approx. 1.9 N, 1 Normally open approx. 2 N |
| Wire cross section: | Plug-in terminal 1 x 6.3 mm x 0.8 mm or 2 x 2.8 mm x 0.8 mm For switches with plug-in terminals it is necessary to provide insulation sleeves and to maintain a spacing of 65 mm between rows (mounting cut-outs). |
| Weight: | 0.024 kg |

AMBIENT CONDITION

| | |
|-------------------------------|--|
| IP Protection: | IP00 |
| Operating temperature: | - 40 °C ... + 55 °C |
| Storage temperature: | - 40 °C ... + 85 °C |
| Shock resistance: | 300 m/s ² , pulse width 11 ms, 3-axis, (single impacts, semi-sinusoidal as per DIN EN 60068-2-27) |
| Vibration resistance: | 100 m/s ² at 10 Hz ... 500 Hz, amplitude 0.75 mm, (sinusoidal according to DIN EN 60068-2-6) |
| Climate resistance: | Relative humidity, max. 95%, non-condensing |

CERTIFICATE

Approbations: CB (IEC 60947-5-1), cULus, DNV, EAC, NFF, VDE

Conformities: CE, CCC, UKCA

REACH: REACH compliant

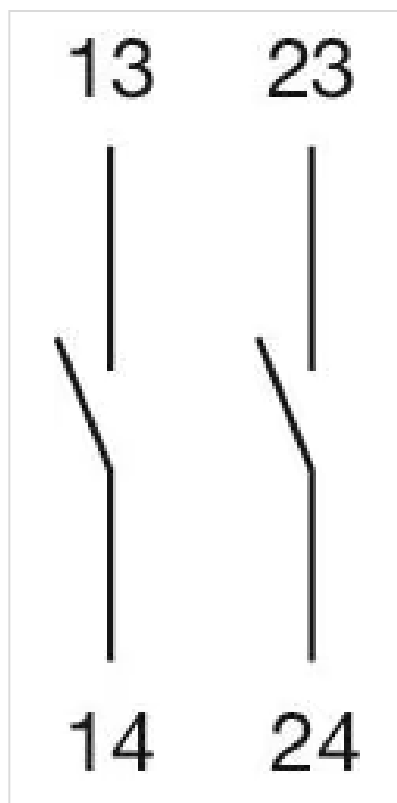
RoHS: RoHS compliant

OTHER

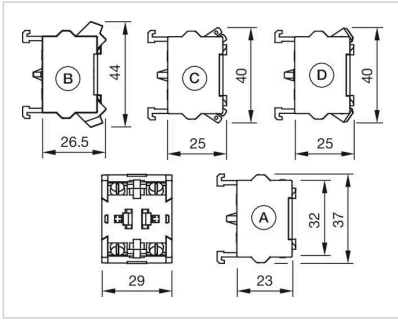
Short Description: Switching element - discontinued item, Snap-action switching element, 500 V AC @ 6 A, Silver, 2 NO, Plug-in terminal, 6.3 x 0.8 mm

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

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