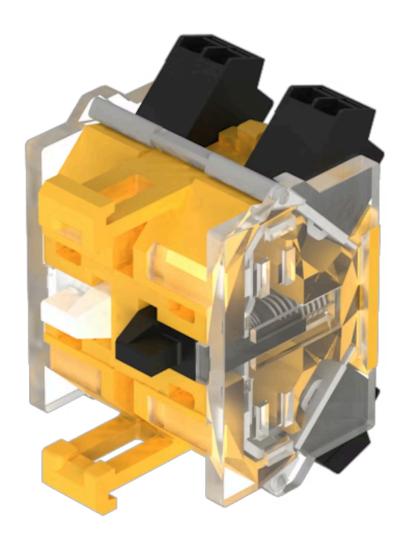


Switching element - Not recommended for new design

704.907.1







704.907.1 Switching element - Not recommended for new design

PRODUCT RANGE

Product Status: Not Recommended for new design

successor product: https://www.eao.com/c/704.907.1-1

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 ner III 609/7-5-1		

as per UL 60947-5-1

voltage power 2,5 A, Pilot duty 24 VDC 0,8 A, Pilot duty 60 VDC 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

Contacts: 1 NC

Rated impulse withstand voltage

Uimp:

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

Rated insulation voltage Ui: 500 V

Recommended minimum Gold-silver contacts operational data:

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

Pollution degree: 3

Standards: The switches comply with the "Standards for low-voltage switching devices" EN

IEC 60947-5-1

Thermal current Ith: 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

Terminal: Push-in terminal

Contact material: Gold

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. 2 N, 1 Normally open approx. 3 N

Wire cross section: Max. wire cross-section 2 wires with 1 mm

Skinning wire 8 mm

Max. wire cross-section of stranded cable $2 \times 0.75 \text{ mm}^2$ use stranded wires only with wire end ferrules of 8 mm length Only one polarity is allowed on each side when wiring.

Weight: 0.021 kg

AMBIENT CONDITION

IP Protection: IP20

Operating temperature: $-40 \, ^{\circ}\text{C} \dots + 55 \, ^{\circ}\text{C}$

Storage temperature: $-40 \, ^{\circ}\text{C} \dots + 85 \, ^{\circ}\text{C}$

Shock resistance: 300 m/s², pulse width 18 ms, (single impacts, semi-sinusoidal as per EN IEC

60068-2-27)

Vibration resistance: Max. 100 m/s² from 10 Hz ... 500 Hz (sinusoidal DIN EN 60068-2-6 and EN 61373,

increased broad band noise, class 1B)

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:

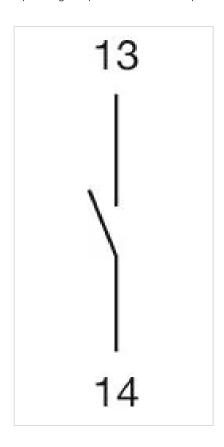
Switching element - Not recommended for new design, Snap-action switching element, 250 V AC @ 6 A, Gold, 1 NO, Push-in terminal

Hints:

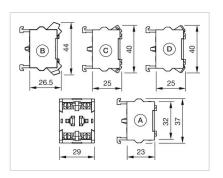
When using the switching element, the application guidelines must be observed. For the third switching element the terminal marking insert is to be ordered separately

Operating temperature: Other temperatures on request

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