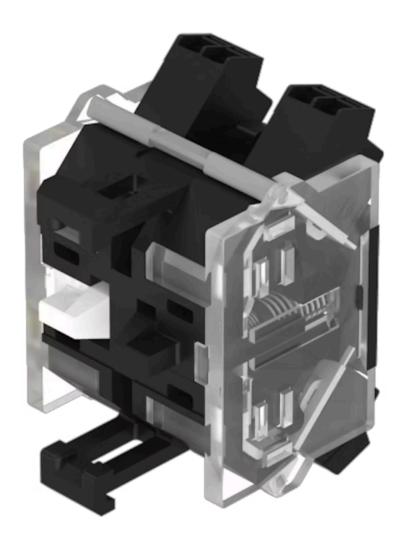


# Switching element - Not recommended for new design

704.918.2







# 704.918.2 Switching element - Not recommended for new design

# **PRODUCT RANGE**

**Product Status:** Not Recommended for new design

successor product: https://www.eao.com/c/704.918.2-1

#### **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 nor III 60047-5-1		

as per UL 60947-5-1 voltage

power 4.0 A, Pilot duty 24 VDC 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:** 

Rated impulse withstand voltage

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

50 000 cycles of operation **Electrical lifetime:** 

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** Push-in terminal Terminal: Contact material: Silver Switching system: Slow-make switching element Switching system: 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. 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 x 0.75 mm<sup>2</sup> use stranded wires only with wire end ferrules of 8 mm length Only one polarity is allowed on each side when wiring. Weight: 0.02 kg **AMBIENT CONDITION** IP20 **IP Protection:** - 40 °C ... + 55 °C Operating temperature: Storage temperature: - 40 °C ... + 85 °C Shock resistance: 300 m/s<sup>2</sup>, pulse width 18 ms, (single impacts, semi-sinusoidal as per EN IEC 60068-2-27) 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, Slow-make switching

element, 250 V AC @ 6 A, Silver, 1 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

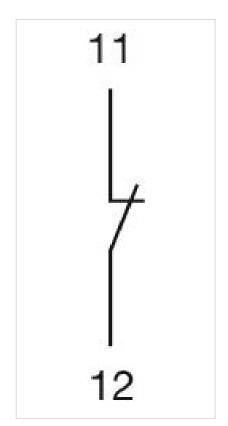
**Special requirements:** 

Special requirements for positive-opening auxiliary current switches Positive opening travel

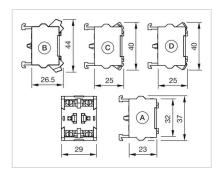
Minimum force

Max. travel

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

Emerge Emerge

which i

Emerge

mm