

# Switching element - discontinued item

704.911.2

Distribution by  
Newark



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# 704.911.2

## Switching element - discontinued item

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### PRODUCT RANGE

**Product Status:** Phase-out  
**successor product:** <https://www.eao.com/c/704.911.2-1>

### 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 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	

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

**Contacts:** 1 NC

**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	24 VDC	110 VDC
Current	5 mA	2 mA
Hard silver contacts		
Voltage	24 VDC	110 VDC
Current	50 mA	10 mA

**Switching rating:** 500 V AC @ 10 A

<b>Electrical lifetime:</b>	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>	10 A Max. permissible current for continuous operation and ambient temperatures not exceeding the specified max. values.

## MECHANICAL CHARACTERISTICS

<b>Terminal:</b>	Screw 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>Tightening torque:</b>	Screw terminal 0.5 Nm
<b>Wire cross section:</b>	Max. wire cross-section 2 mm x 2.5 mm <sup>2</sup> Skinning wire 10 mm Max. wire cross-section of stranded cable 2 x 1.5 mm <sup>2</sup> use stranded wires only with wire end ferrules of 10 mm length Only one polarity is allowed on each side when wiring.
<b>Weight:</b>	0.02 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 11 ms, 3-axis, (single impacts, semi-sinusoidal as per DIN EN 60068-2-27)
<b>Vibration resistance:</b>	100 m/s <sup>2</sup> at 10 Hz ... 500 Hz, amplitude 0.75 mm, (sinusoidal according to DIN EN 60068-2-6)
<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

