

Switching element base mounting

45-312.2Z10

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Your product:



45-312.2Z10

Switching element base mounting

MOUNTING

Component mounting type: Base mounting

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:	at AC-12					
	Voltage	24 V	48 V	110 V	230 V	400 V
	Current	10 A	10 A	10 A	8 A	6 A
	at AC-15					
	Voltage	24 V	48 V	110 V	230 V	400 V
	Current	6 A	6 A	6 A	4 A	3 A
	at DC-12					
	Voltage	24 V	48 V	110 V	230 V	400 V
	Current	10 A	5 A	2,5 A	1 A	0,3 A
	at DC-13					
	Voltage	24 V	48 V	110 V	230 V	400 V
	Current	3 A	1,5 A	0,7 A	0,3 A	0,1 A

Contacts: 1 NC

Contact reliability: One contact failure per 10 million switching operations (5 V, 1 mA)
One contact failure per 100 million switching operations (17 V, 5 mA)

Insulation voltage: Rated value 500 V

Surge voltage resistance: Rated value 6 kV

Switching rating: 500 V AC @ 10 A

Pollution degree: 3

Standards: The switches comply with the “Standards for low-voltage switching devices” EN IEC 60947-5-1

Thermal current Ith: 10 A Max. permissible current for continuous operation and ambient temperatures not exceeding the specified max. values.

MECHANICAL CHARATERISTIC

Terminal: Screw terminal

Contact material: Silver

Switching system:	Slow-make switching element
Switching system:	The double-break, slow-make switching element is equipped with normally open or normally closed contact. The normally closed contact has forced opening. Up to six switching elements can be snapped to each holder. The NC contact opens automatically upon disconnection of the actuator. On delivery, the contact is open (= safe state). Activation (= NC contacts on the non-actuated commanding device are closed) takes place upon first-time actuation after the contact block is snapped onto the actuator.
Mechanical lifetime:	10 Mio. cycles of operation
Tightening torque:	0.8 ... 0.9 Nm
Operating frequency:	Max. 3 600/h
Wire cross section:	Solid 2 x (1.0 ... 1.5mm²) – With end sleeves 2 x (0.5 ... 0.75 mm²) Finely stranded – Without end sleeves 2 x (0.5 ... 0.75 mm²) – With end sleeves 2 x (0.5 ... 1.5 mm²) – For AWG cables for auxiliary contacts 2 x (18 ... 14)
Weight:	0.008 kg

AMBIENT CONDITION

IP Protection:	IP20 Terminal, IP40 Housing
Operating temperature:	– 25 °C ... + 70 °C
Storage temperature:	– 40 °C ... + 80 °C
Shock resistance:	According to IEC 60068-2-27: Sinusoidal half-wave 50 g / 11 ms
Vibration resistance:	According to IEC 60068-2-6: 2 ... 500 Hz: 5 g
Climate resistance:	During operation according to IEC 60721: 3K6, 3C3, 3S2, 3M6

CERTIFICATE

Approbations:	CCC, CSA, UL
Conformities:	CE, UKCA
REACH:	REACH compliant
RoHS:	RoHS compliant

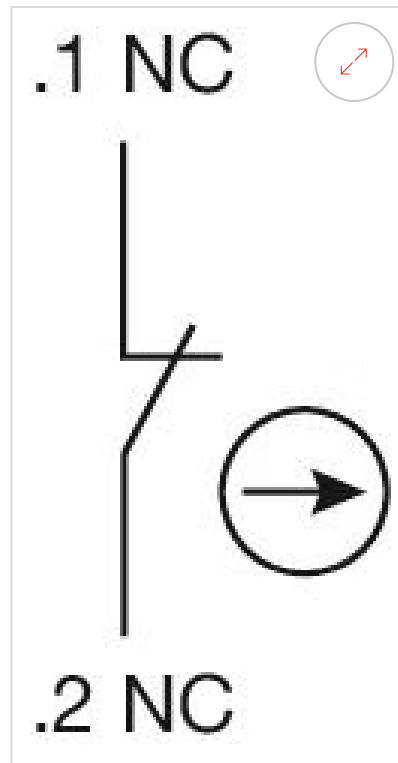
OTHER

Short Description:	Switching element base mounting, Slow-make switching element, 500 V AC @ 10 A, Silver, 1 NC, Screw terminal, Base mounting
Product attributes:	Base mounting
Hints:	Switching element base mounting can used only with enclosure

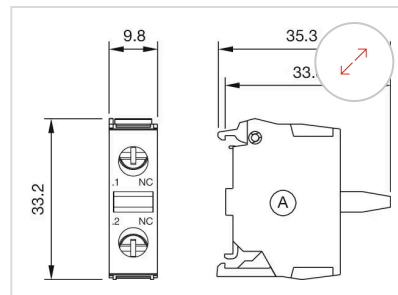
Switching element type:

Base

Wiring diagrams:



Dimension drawings:



A = Screw terminal
for Part No. 45-312.2Z10