

Type SO1.10-R-...

The DC contact block to IEC 947-5-1 EN 60947 DIN VDE 0660-200 and VDE 0670/4 § 20 is used for signalling and announcement applications. The snap-action mechanism prevents slow contact opening when the plunger is operated slowly. Quenching of the arc that occurs with DC is supported by two-capacity permanent magnets. These are arranged so that the polarity can be ignored when connecting +/- cabling.

However, the polarity of the quenching magnets must be noted when installing the contact blocks to prevent the magnets adversely affecting each other. Contact blocks in four different colours are available for polarity identification of the magnets when fitted (see diagram below left).

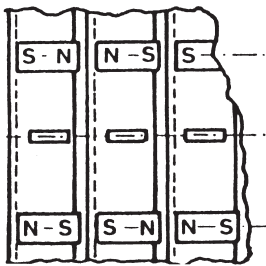
The contact blocks may only be installed on non-magnetizable materials with screws, etc. made of non-ferrous metal. The self-cleaning silver contacts are designed for low switching frequency, low currents and voltages. Gold coated contacts can be supplied (approx. 0,2 µ, less than 42 Volt required. The screw connection M3.5 at the side is suitable for 2 conductors max. 2.5 mm². The plug-in connection at the top 4.8 x 0.8 mm DIN 46247.

Several contact blocks can be plugged on top of each other and operated jointly. The plug-type terminals are then only accessible on the top unit. The contact blocks can be provided with shock protection to DIN VDE 0106 Part 100.

Please consult our technical department in the event of: application in extreme nuisance, confined switching points or increased breaking currents.

blue grey blue
green yellow green

————— Normally closed (NC)
————— Normally open (NO)



Unless otherwise requested, equal quantities grey/blue or yellow/green will be supplied.

Switching capacity

	NC	NO	Time constant
250 V DC	2 A	1 A	20 ms
125 V DC	4 A	3 A	20 ms
50 V DC	6 A	6 A	20 ms
30 V DC	10 A	10 A	20 ms
250 V AC 15	6 A	6 A	

Mechanical life
Electrical service life

2 million operating cycles
50.000 operating cycles
at 2 A 250 V DC L/R 20 ms

Permissible ambient temperature

Operation -40° C to +60° C
Storage -50° C to +80° C

Climate resistance
Damp heat constant
Damp heat cyclic
Degree of protection

DIN IEC 68 part 2-3
DIN IEC 68 part 2-30
IP 40 IEC 529 DIN 40050

Pos.				Weight gramm	Type	Price EURO
1	DC-contact normally closed (NC)			20	SO 1.10	
	Colour code grey or blue					
2	DC-contact normally open (NO)			20	SS 1.10	
	Colour code yellow or green					
3	Shock protection KEG 142 to DIN VDE 0106 Part 100				B	
4	Roller lever			10	R	
5	Toggle lever (switching in one direction only)			15	K	
6	Plug-in connection at side 4,8 x 0,8 mm (2 pieces)				F	
7	Contacts gold-coated approx. 0,2 µm				AU	
8	Contact without quenching magnets (for AC only) subtract price					
9	Contact without quenching magnets (for AC only) and without snap-action mechanism subtract price					

