

# DC-Contact

## SO 1.10 Normally closed (NC)

## SS 1.10 Normally open (NO)

The DC contact block is used for signalling and annunciation 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.

The contact blocks may only be installed on non-magnetisable materials with screw, 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 0,2µ), less than 42 Volt required. The screw connection M3.5 at the side is suitable for 2 conductors max. 2,5mm<sup>2</sup>. The plug-in connection at the top 4.8 x 0.8mm DIN 46247.



Several contact blocks can be plugged on the 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.

Example

	Switching capacity		Time constant
	NC	NO	
<b>250V DC</b>	2A	1A	20ms
<b>125V DC</b>	4A	3A	20ms
<b>50V DC</b>	6A	6A	20ms
<b>30V DC</b>	10A	10A	20ms
<b>250V AC 15</b>	6A	6A	

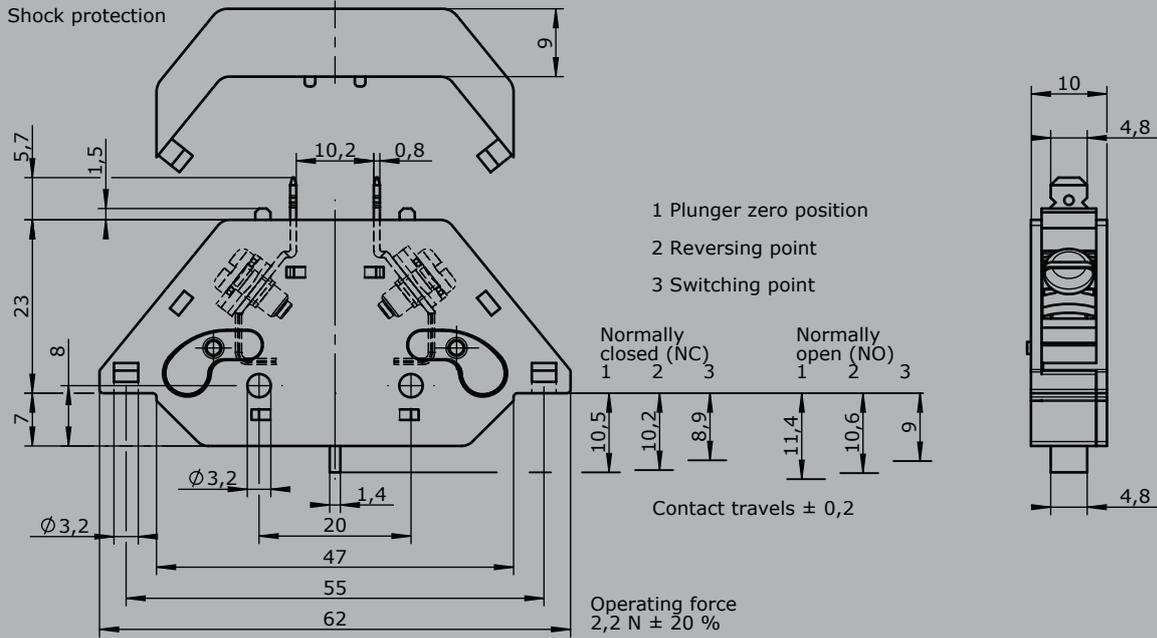
### Technical data

Mechanical life	2 million operating cycles
Electrical service life	50.000 operating cycles (at 2A 250V DC L/R 20ms)
Operation temperature	-40°C to +60°C
Degree of protection	IP40

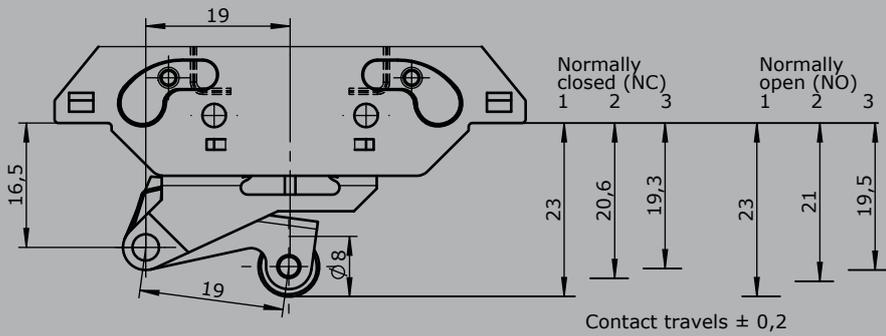
	SO 1.10	- B	- R	- F	- X
<b>Basic unit</b>					
SO1.10	DC-contact normally closed (NC)				
	Colour code grey or blue				
SS1.10	DC-contact normally open (NO)				
	Colour code yellow or green				
<b>Attachment</b>					
B	Shock protection KEG 142 to DIN VDE 0106 part 100				
R	Roller lever				
K	Toggle lever (switching is one direction only)				
F	Plug-in connection at side 4,8 x 0,8mm (2 pieces)				
AU	Contacts gold-coated approx. 0,5				
<b>Special model</b>					
X	Special / customer specified				
X1	Contact without quenching magnets				

Technical details may vary based on configuration or application! Technical data subject to change without notice!

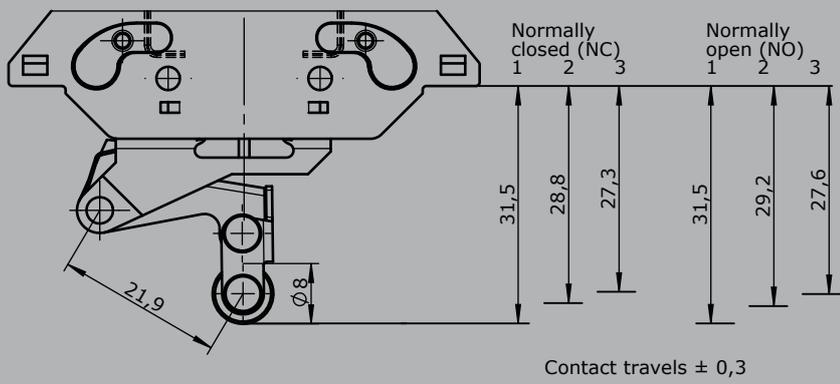
**DC-Contact**  
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with roller lever



with toggle lever



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