

The types CR6 and SR6 are not automatically resetting, voltage-retained, with connection cables, with Expoxy

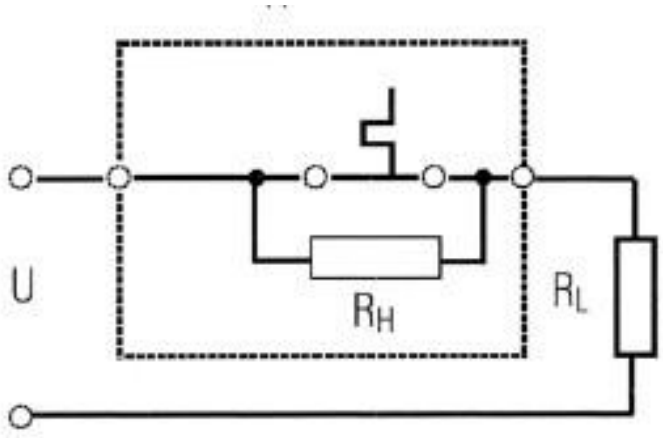
SR6 with Mylar®-Nomex® insulating cap

Thermal Protectors Type CR6 / SR6; 4.0 - 25A

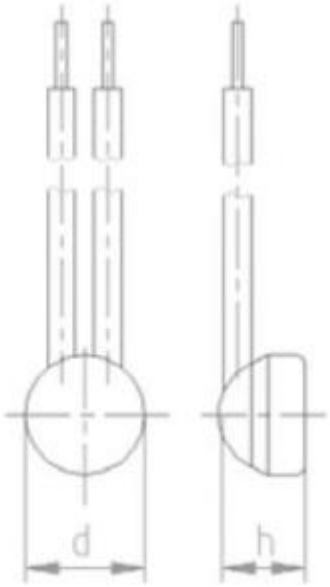
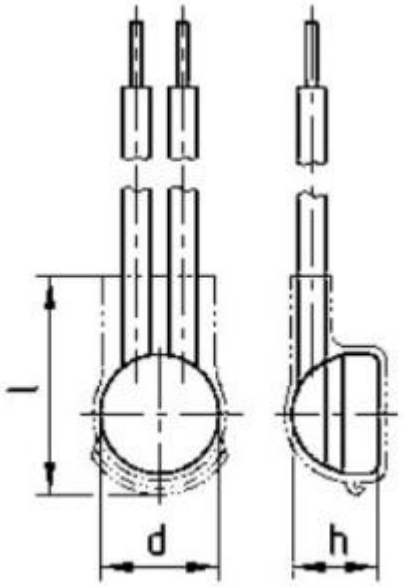
CR6	SR6
	

Switch type:	**NC contact CR6 self-retaining**	**NC contact SR6 latching**
isolated:	no	yes
Temperature		
Nominal switching temperature (NST), in 5 K steps [°C]	60 - 180	
Tolerance range ≤ 140 °C Tol [[K]	± 5	
Tolerance range ≥140 °C Tol [[K]	± 10	
Reverse Switch Temperature (RST below NST) UL [[K]	≥ 35	
(defined RST on customer request) VDE [°C]	≥ 35	
Tension		
Operating voltage range up to ...	250 V	
Rated voltage AC [VAC]	120/230 (VDE), 250 (UL)	
Current/switching cycles		
Rated current - cos ϕ = 1.0 [A] / [n]	10,0 / 1'000	
Rated current -cos ϕ = 0.6 [A] / [n]	6,3 / 1'000	
max. Switching current cos ϕ = 1.0 [A] / [n]	25,0 / 1'000	
Additional specifications		
High-voltage strength [kV]	---	2
Total bounce time [ms]	< 1	
Contact resistance (according to MIL-STD R5757) [mΩ]	< 50	
Vibration resistance 10 ... 60 Hz [m/s2]	100	
Compressive strength of the switch housing [N]	600	
Available Licenses and Approvals		
please specify	IEC, ENEC, VDE, UL, CSA, CQC	
Dimensions (standard)		
Diameter Ø d [mm]	9,0	9,4
Overall height h [mm]	from 6.3	from 6.7
Length of insulation cap l [mm]	---	17,0
Standard stranded wire connection:	0.75 mm2/AWG 18	

Functional diagram



The ceramic resistor connected in parallel to the switch heats up after the contact opens, which keeps the contact in the open state.

CR6	SR6
	

Note

The data and information provided are based on tests and test series. They are intended as a guide, which is why there may be deviations for individual applications and uses. The suitability in a specific application must be checked by the user in each individual case.