

The types CH5, SH5, CX0 and SXO are switches with connection cables, automatically resetting with or without Expoxy

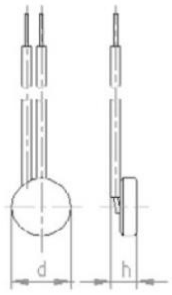
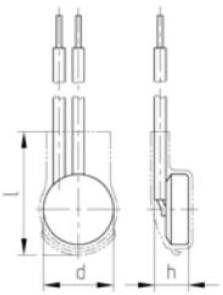
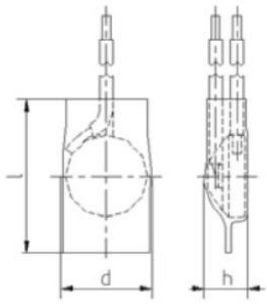
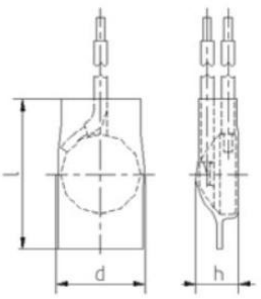
The types SH5, SXO are with epoxy, fully insulated with a Mylar®-Nomex® cap.

Possible applications in switch cabinets, on motor housings or heat sinks

Thermal Protectors 25 A - 75 A

Type / design			
CH5	**SH5**	**CXO**	**SXO**
			

Switching mode	**NC contact CH5 resetting**	**NC contact SH5 resetting**	**NC contact CXO resetting**	**NC contact SXO resetting**
Insulated: Insulation cap	No	Yes	No	Yes
Temperature				
Nominal switching temperature (NST) in 5 K steps °C	120 - 180		70 - 180	
Tolerance range NST ≤ 140 °C Tol (K)	± 10			
Reverse Switch Temperature (RST below NST) UL **(defined RST possible on request) VDE**	≥ 35 ≥ 35			
Tension				
max. operating voltage range up to ...	500 VAC / 14 V DC			
Operating voltage AC	250 (VDE), 277 (UL)			
Current / switching cycles				
Rated current - cos ϕ = 1.0 [A] / [n]	30 / 10'000 50 /1'000		25 / 10'000 50 / 2'000	
Rated current - cos ϕ = 0.6 [A] / [n]	---		25 / 3'000	
Rated current - cos ϕ = 1.0 [A] / [n]	---		75 / 3'000	
Rated voltage DC	12			
Rated voltage DC (V)	---		63 / 10'000	
Max. Switching current DC [A] / [n]	60 / 10'000		100 / 2'000	
Additional specifications				
High-voltage strength (kV)	---	2	---	2
Total bounce time (ms)	< 1			
Contact resistance (according to MIL-STD R5757) (mΩ)	≤ 50			
Compressive strength of the switch housing (N)	300		600	
Suitable for installation in protection class	I		I	I + II
Impregnation resistance	suitable			
Available Licenses and Approvals				
please specify	IEC, VDE, UL, CQC,		IEC, ENEC, VDE, UL, COC	
Dimensions (standard)				
Diameter Ø d (mm)	11,0	11,5	17,1	17,6
Overall height h (mm)	from 6.0	from 6.5	from 5.9	from 6.3
Length of the insulation cap (mm)	---	19,0	---	25,0
*** Standard connection**	Stranded wire: 1.00 mm2/AWG 18			

CH5	SH5	CXO	SXO
			

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.