KARL SCHUPP AG

CONDUCT – PROTECT – INSULATE



The types C09, S09, L09 and F09 are switches with connecting cables, automatically resetting with or without Expoxy

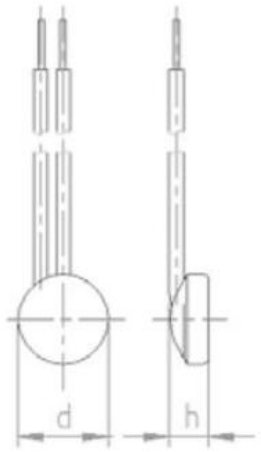
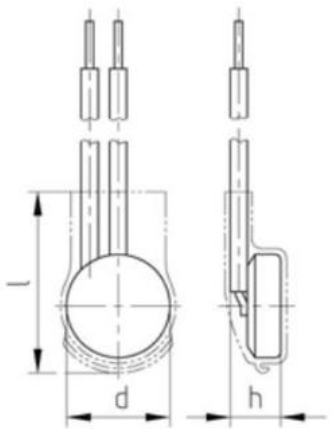
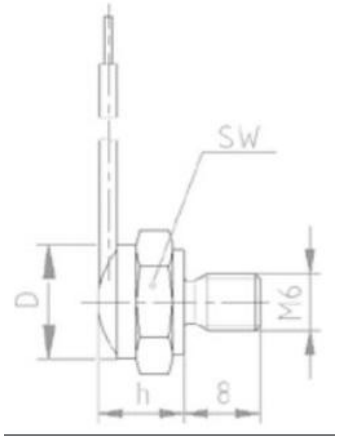
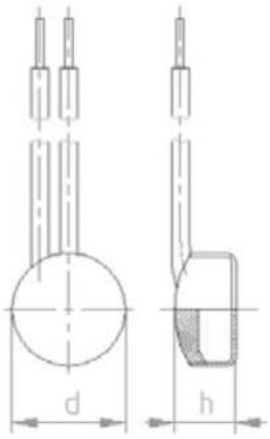
- **L09 with aluminium screw-on housing**
- **F09 with epoxy, fully insulated with Nomex® cap**

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

Thermal Protectors type C09 / S09 / L09 / F09; 4.0 - 25 A

C09	S09	L09	F09
			

Switching type	**NO contact C09 resetting**	**NO contact S09 resetting**	**NO contact L09 resetting**	**NO contact F09 resetting**
insulated: Housing	no	Yes	yes	yes
Temperature new				
Nominal switching temperature (NST), [°C] in 5K steps	60 - 180			
Tolerance range -Standard Tol [[K]	± 5			
Reverse Switch Temperature (RST below NST) UL [K]	-35 ± 15			
Reverse Switch Temperature (RST below NST) VDE [°C]	≥ 35			
Tension				
max. Operating voltage range AC to [VAC]	500 V			
Rated voltage AC [VAC]	250 (VDE), 277 (UL)			
Current/switching cycles				
Rated current AC - cos j = 1.0 [A] / [n]	6,3 /10'000			
max. Switching current - cos ϕ= 0.6 [A] / [n]	4,0 / 10'000			
Additional specifications				
High-voltage strength [kV]	---	2	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]	300			
Suitable for installation in protection class	I	I + II	I + II	
Impregnation resistance	suitable			
Available Licenses and Approvals				
please specify	IEC, ENEC, VDE, UL, CSA, CQC, CMJ		IEC, ENEC, VDE, UL, CSA, CQC	
Dimensions (standard)				
Diameter Ø d [mm]	11,0	11,4	12,0	11,4
Installation height (with standard connection) h [mm]	from 5.0	from 5.4	from 8.0	from 6.5
Length of insulation cap l [mm]	---	19,0	---	---
Thread (size x length) [M x mm]	---	---	M6 x 8	---
Width across flats/ max. Torque [SW/Nm]	---	---	13/8	---
Standard stranded wire connection:	0.5 mm2 / AWG 20			

C09	S09	L09	F09
			

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.