KARL SCHUPP AG

CONDUCT – PROTECT – INSULATE



The types CY6, SY6, CYH and SYH are normally closed contacts for use in the neutral point of three-phase motors, automatically resetting, with epoxy

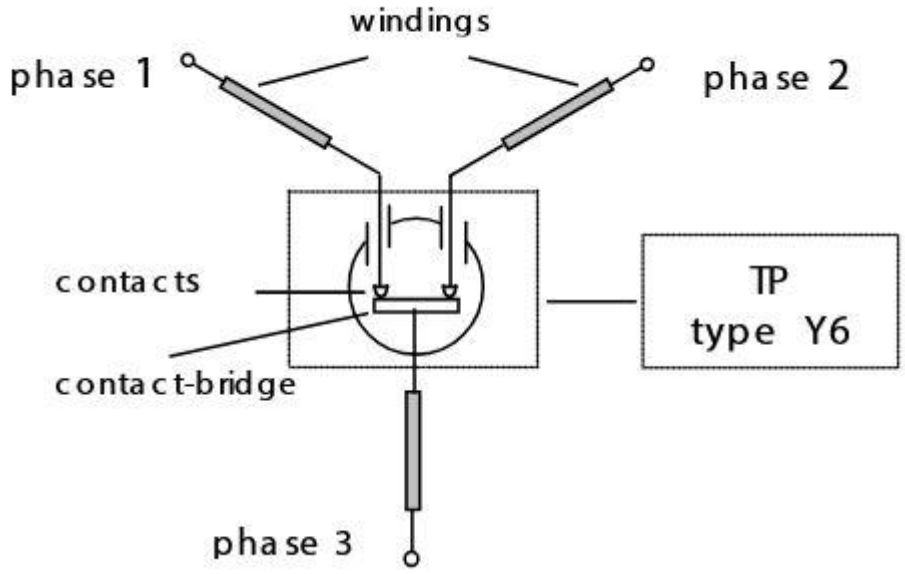
The types CY6 , CYH are without insulation

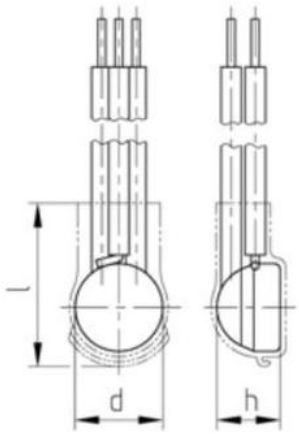
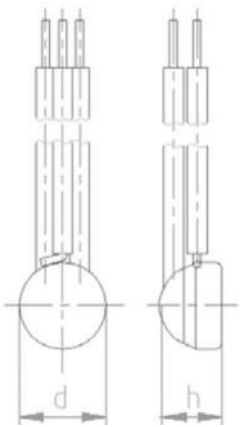
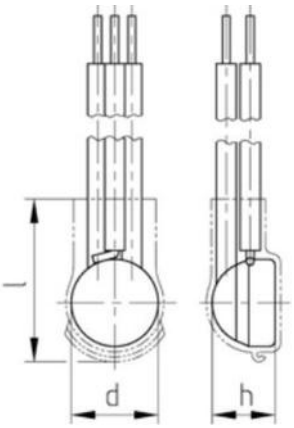
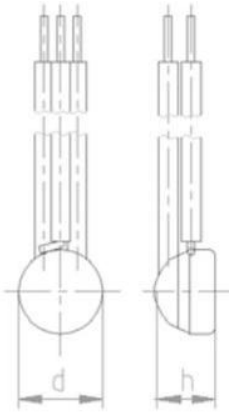
The Types SY6 , SYH are insulated with a Mylar®-Nomex® cap.

Thermal Protectors three-pole for star point type SY6 / CY6 / SYH / CYH; 4.0 - 25 A

SY6	CY6	SYH	CYH
			

Switching type	**NC contact SY6 resetting**	**NC contact CY6 resetting**	**NC contact SYH resetting**	**NC contact CYH resetting**
insulated: Housing	yes	no	yes	no
Temperature				
Nominal switching temperature (RST below NST), in 5 K steps [°C]	70 - 200		70 - 180	
Tolerance range -Standard-Tol [[K]	± 5		± 10	
Reverse Switch Temperature (RST below NST) UL (°C)	-35 ± 15			
(defined RST possible on customer request) VDE (°C)	≥ 35			
Tension				
max. AC operating voltage range up to AC]	440		440	
Rated voltage AC (VAC)	3 x 440 V 50/60 Hz		3 x 440 V 50/60 Hz	
Current / switching cycles				
Rated current cos ϕ = 1.0 (A) / (n)	**2,5** / 10'000		**2,5** / 10'000	
max. Switching current - cos ϕ = 1.0 (A) / (n)	**6,3** / 3'000		**12** / 3'000	
Additional specifications				
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			
Suitable for installation in protection class	I +II	I	I + II	I
Impregnation resistance	suitable			
Available Licenses and Approvals				
please specify	UL, CSA, CQC		---	
Dimensions (standard)				
Diameter Ø d [mm]	9,0	9,4	9,0	9,4
Overall height h [mm]	from 6.3	from 6.7	from 6.3	from 6.7
Length of insulation cap hl [mm]	16,0	---	16,0	---
Standard stranded wire connection:	0.5 mm2 / AWG 20		1.0 mm2 / AWG 18	

Functional diagram


SY6	CY6	SYH	CYH
			

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.

We will be pleased to advise you.