

Accessories and Spare Parts

For 3T Contactors and Contactor Relays

Accessories for 3TB, 3TC, 3TF, 3TG, 3TK contactors

Technical specifications

For 3TF2 contactors			Auxiliary switch block	
Type			3TX4 4...-...	
General data				
Permissible mounting position	AC and DC operation		Any	
Mechanical endurance	AC operation DC operation	Operating cycles	10 million 30 million	
Rated insulation voltage U_i (degree of pollution 3) • Screw terminal	V		500	
Rated impulse withstand voltage U_{imp} (degree of pollution 3) • Screw terminal	kV		6	
Safe isolation between the coil and the contacts according to EN 60947-1, Appendix N	V		Up to 300	
Positively-driven operation				
3TF2 basic unit or complete unit			ZH1/457, SUVA	
3TF20 basic unit with 3TX4 4 auxiliary switch block			Upper level Lower level Different levels	ZH1/457, SUVA ZH1/457, SUVA SUVA
Permissible ambient temperature ¹⁾	During operation	°C	-25 ... +55	
	During storage	°C	-55 ... +80	
Degree of protection according to EN 60947-1 Appendix C			IP20 for screw terminal	
Touch protection according to EN 50274			Finger-safe for screw terminal	
Shock resistance				
Rectangular pulse	AC operation	g/ms	7/5 and 4/10	
	DC operation	g/ms	10/5 and 6/10	
Sine pulse	AC operation	g/ms	9/5 and 6/10	
	DC operation	g/ms	13/5 and 8/10	
Short-circuit protection				
Short-circuit protection				
Fuse links gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE Weld-free protection at $I_k \geq 1$ kA			A	6

¹⁾ Applies to 50/60 Hz coil
Operating range at 60 Hz: 0.85 ... 1.1 x U_N ;
at 50 Hz, 1.1 x U_N , side-by-side mounting and 100 % ON period
the max. ambient temperature is +40 °C.

Accessories and Spare Parts

For 3T Contactors and Contactor Relays

Accessories for 3TH contactor relays

Technical specifications

For 3TH2 contactor relays			Auxiliary switch block	
Type			3TX4 4...-	
General data				
Permissible mounting position		AC and DC operation		Any
Mechanical endurance		AC operation DC operation	Operating cycles	10 million 30 million
Rated insulation voltage U_i (degree of pollution 3) • Screw terminal		V		500
Rated impulse withstand voltage U_{imp} (degree of pollution 3) • Screw terminal		kV		6
Safe isolation between the coil and the contacts according to EN 60947-1, Appendix N		V		Up to 300
Positively-driven operation				
3TH2 basic unit or complete unit				ZH1/457, SUVA
3TH20 basic unit with		Upper level		ZH1/457, SUVA
3TX4 4 auxiliary switch block		Lower level		ZH1/457, SUVA
		Different levels		SUVA
Permissible ambient temperature ¹⁾		During operation	°C	-25 ... +55
		During storage	°C	-55 ... +80
Degree of protection according to EN 60947-1 Appendix C				IP20 for screw terminal
Touch protection according to EN 50274				Finger-safe for screw terminal
Shock resistance				
Rectangular pulse		AC operation	g/ms	7/5 and 4/10
		DC operation	g/ms	10/5 and 6/10
Sine pulse		AC operation	g/ms	9/5 and 6/10
		DC operation	g/ms	13/5 and 8/10
Short-circuit protection				
Short-circuit protection				
Fuse links gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE			A	6
Weld-free protection at $I_k \geq 1$ kA				

¹⁾ Applies to 50/60 Hz coil
Operating range at 60 Hz: $0.85 \dots 1.1 \times U_s$;
at 50 Hz, $1.1 \times U_s$, side-by-side mounting and 100 % ON period
the max. ambient temperature is +40 °C.