

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 positions		AC and DC operation	Any	
Mechanical endurance			10 million	
• AC operation		Operating cycles	10 million	
• DC operation		Operating cycles	30 million	
Rated insulation voltage U_i (degree of pollution 3) • Screw terminals		V	500	
Rated impulse withstand voltage U_{imp} (degree of pollution 3) • Screw terminals		kV	6	
Safe isolation between the coil and the contacts acc. 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	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 acc. to EN 60947-1 Appendix C			IP20 for screw terminals	
Touch protection acc. to EN 50274			Finger-safe for screw terminals	
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 $I_k \geq 1 \text{ kA}$				

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.

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 positions		AC and DC operation	Any
Mechanical endurance			
• AC operation		Operating cycles	10 million
• DC operation		Operating cycles	30 million
Rated insulation voltage U_i (degree of pollution 3)			
• Screw terminals		V	500
Rated impulse withstand voltage U_{imp} (degree of pollution 3)			
• Screw terminals		kV	6
Safe isolation between the coil and the contacts acc. 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 temperature¹⁾			
• During operation		°C	-25 ... +55
• During storage		°C	-55 ... +80
Degree of protection acc. to EN 60947-1 Appendix C			IP20 for screw terminals
Touch protection acc. to EN 50274			Finger-safe for screw terminals
Shock resistance			
• Rectangular pulse	AC operation	<i>g/ms</i>	7/5 and 4/10
	DC operation	<i>g/ms</i>	10/5 and 6/10
• Sine pulse	AC operation	<i>g/ms</i>	9/5 and 6/10
	DC operation	<i>g/ms</i>	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 ... 1.1 x U_s ;
at 50 Hz, 1.1 x U_s , side-by-side mounting and 100 % ON period the max.
ambient temperature is +40 °C.