



# Accessories and Spare Parts

## For 3RT2, 3RH2 Contactors and Contactor Relays

Accessories

### More information

Version	Type		3RA28 13	3RA28 14	3RA28 15
			<b>Solid-state time-delay auxiliary switches</b>		
<b>General data</b>					
<b>Rated insulation voltage <math>U_i</math></b> Pollution degree 3 Overvoltage category III		V AC	300		
<b>Operating range of excitation</b>			0.85 ... 1.1 $\times U_s$ , 0.95 ... 1.05 times the rated frequency		
<b>Rated power</b>		W	1		
• Power consumption at 230 V AC, 50 Hz		VA	2		
<b>Rated operational currents <math>I_e</math></b>					
• AC-140	At 24 ... 240 V, 50 Hz	A	--		
• DC-13	At 24 ... 240 V	A	--		
• AC-15	At 24 ... 240 V, 50 Hz	A	3		
• DC-13	- At 24 V	A	1		
	- At 125 V	A	0.2		
	- At 250 V	A	0.1		
<b>DIAZED fuse</b>	Operational class gG	A	4		
<b>Switching frequency</b> for load					
• With $I_e$ at 230 V AC		h <sup>-1</sup>	2500		
• With 3RT2 contactor at 230 V AC		h <sup>-1</sup>	2500		
<b>Recovery time</b>		ms	150		--
<b>Minimum ON period</b>		ms	--	35	200
<b>Residual current</b>	Max.	mA	--		
<b>Voltage drop</b> With conducting output	Max.	VA	--		
<b>Short-time loading capacity</b>	Up to 10 ms	A	--		
<b>Setting accuracy</b> With reference to upper limit of scale	Typ.		±15 %		
<b>Repeat accuracy</b>	Max.		±1 %		
<b>Mechanical endurance</b>		Oper- ating cycles	10 $\times 10^6$		
<b>Permissible ambient temperature</b>					
• During operation		°C	-25 ... +60		
• During storage		°C	-40 ... +80		
<b>Degree of protection</b> acc. to EN 60947-1, Appendix C			IP20		
<b>Conductor cross-sections</b>					
<b>Connection type</b>			 <b>Screw terminals</b>		
• Solid		mm <sup>2</sup>	1 $\times$ (0.5 ... 4), 2 $\times$ (0.5 ... 2.5)		
• Finely stranded with end sleeve		mm <sup>2</sup>	1 $\times$ (0.5 ... 2.5), 2 $\times$ (0.5 ... 1.5)		
• AWG cables, solid or stranded		AWG	2 $\times$ (20 ... 14)		
• Terminal screws			M3 (for standard screw driver size 2 or Pozidriv 2)		
• Tightening torque		Nm	0.8 ... 1.2		
<b>Connection type</b>			 <b>Spring-type terminals</b>		
• Operating devices		mm	3.0 $\times$ 0.5		
• Solid		mm <sup>2</sup>	2 $\times$ (0.25 ... 1.5)		
• Finely stranded with end sleeve		mm <sup>2</sup>	2 $\times$ (0.25 ... 1.5)		
• Finely stranded		mm <sup>2</sup>	2 $\times$ (0.25 ... 1.5)		
• AWG cables, solid or stranded		AWG	2 $\times$ (24 ... 16)		
<b>Permissible mounting position</b>			Any		
<b>Shock resistance</b> Half-sine acc. to IEC 60068-2-27		g/ms	15/11		
<b>Vibration resistance</b> Acc. to IEC 60068-2-6		Hz/mm	10 ... 55/0.35		
<b>Electromagnetic compatibility (EMC)</b>			IEC 61000-6-2, IEC 61000-6-4, IEC 61812-1		
<b>Overvoltage protection</b>			Varistor integrated		