

3RP, 3RT19 Timing Relays

3RT19 16, 3RT19 26 timing relays for mounting onto contactors

Technical specifications

According to IEC 61812-1/DIN VDE 0435 Part 2021

Contactors	Type		3RT19 .6-2C Solid-state time-delay blocks with semiconductor output	3RT19 .6-2D Solid-state time-delay auxiliary switch blocks	3RT19 .6-2L	3RT19 .6-2E	3RT19 .6-2F	3RT19 .6-2G
Rated insulation voltage U_i Degree of pollution 3 Overvoltage category III acc. to DIN VDE 0110		V AC	300					
Operating range of excitation			0.8 ... 1.1 x U_s , 0.95 ... 1.05 times rated frequency		0.85 ... 1.1 x U_s , 0.95 ... 1.05 times rated frequency			
Rated power Power consumption at 230 V AC, 50 Hz		W VA	1 1		2 4			
Rated operational currents I_e • AC-140, DC-13 • AC-15, 230 V, 50 Hz • DC-13, 24 V • DC-13, 110 V • DC-13, 230 V		A A A A A A	0.3 for 3RT19 16 0.5 for 3RT19 26 -- -- -- --		-- -- 3 1 0.2 0.1			
DIASED protection gL/gG operational class		A	--		4			
Switching frequency for load • With I_e 230 V AC • With 3RT10 16 contactor, 230 V AC		h ⁻¹ h ⁻¹	2500 2500		5000			
Recovery time		ms	50		150			
Minimum ON period		ms	35		35 (OFF-delay with auxiliary voltage)	200 (with OFF-delay)		
Residual current	Max.	mA	5		--			
Voltage drop with conducting output	Max.	VA	3.5		--			
Short-time loading capacity	up to 10 ms	A	10		--			
Setting accuracy with reference to upper limit of scale	Max.	%	±15					
Repeat accuracy	Max.	%	±1					
Mechanical endurance		Operating cycles	100 x 10 ⁶		10 x 10 ⁶			
Permissible ambient temperature								
	During operation	°C	-25 ... +60					
	During storage	°C	-40 ... +80					
Degree of protection acc. to EN 60947-1, Appendix C • Covers • terminals			IP40 IP20					
Connection type • Terminal screw • Solid • Finely stranded with end sleeve • AWG cables, solid or stranded • Tightening torque		mm ² mm ² AWG Nm	M 3 (standard screwdriver, size 2 and Pozidriv 2) 1 x (0.5 ... 4) / 2 x (0.5 ... 2.5) 1 x (0.5 ... 2.5) / 2 x (0.5 ... 1.5) 2 x (20 ... 14) 0.8 ... 1.2					
Permissible mounting positions			Any					
Shock resistance Half-sine acc. to IEC 60068-2-27		g/ms	15/11					
Vibration resistance acc. to IEC 60068-2-6			10 ... 55 Hz: 0.35 mm					
Electromagnetic compatibility (EMC) Tests acc. to basic specification			EN 61000-6-2/EN 61000-6-4					
Overvoltage protection			Varistor integrated in timing relay		--			