Technical Data

Time relays			3RP1000 3RP1020	3RP1505 3RP1531 3RP1532 3RP1533	3RP1511 3RP1512 3RP1513 3RP1525 3RP1555	3RP1540	3RP1574 3RP1576	3RP1527	3RP1560
Mechanical endurance		Operating cycles	30 million					100 million	30 million
Rated insulation voltage		AC V	300						
Permissible ambient temperature		Operating Stored	−25 to +60°C (−13 to +140°F) −40 to +85°C (−40 to +176°F)						
Operating voltage tolerance①			0.85 to 1.1 × U_S for AC; 0.8 to 1.25 × U_S for DC 95 to 105% rated frequency						
Rated power at AC 230V, 50Hz		W VA	1 4	2 6	2 6	2 2②	2 6	1 1	2 6
Rated operational current I_e AC-15 at AC 230V, 50Hz		A	3					0.01 to 0.6	3
Required DIAZED fuse③ Utilization category gL/gG		A	4						
Switching frequency at charge with I_e AC 230V at charge with contactor 3RT1016, AC 230V		1/h 1/h	2500 5000					5000 5000	2500 5000
Recovery time		ms	150				150	50	300
Minimum ON period		ms	35	35	—	200④	—	—	—
Residual current		mA	—					≤5	—
Voltage drop with signal flow		V	—					≤3.5	—
Short-time withstand current		A	—					10 (up to 10 ms)	—
Setting accuracy related to full-scale value			± 5 %						
Repeat accuracy			≤ ± 1 % over the complete timer range						
Degree of protection acc. to DIN EN 60 529			IP 20						
Conductor connection	solid	mm²	2 × (0.5 − 1.5) 2 × (0.75 − 4)	1 × (0.5 − 4) 2 × (0.5 – 2.5)					
	finely stranded with end sleeve	mm²	2 × (0.5 − 2.5)	1 × (0.5 – 2.5) 2 × (0.5 – 1.5)					
	solid or stranded	AWG	2 × (18 − 14)	2 × (20 – 14)					
Screw-type terminal			M 3	M 3.5					
Permissible mounting position			any						
Shock resistance with half sine acc. to IEC 68		g / ms	15 / 11						

①Unless specified.
②Maximum inrush current 1 A/100 ms.
③Weld-free according to IEC 947-5-1.
④Observe the minimum on time in order to attain accurate operation.