

RE9RA51MW7

off-delay timing relay - 40..3600 s - 240 V AC - solid state



Main

Range of product	Zelio Time
Product or component type	Industrial timing relay
Discrete output type	Solid state
Component name	RE9
Time delay type	C
Time delay range	40 s...1 h

Complementary

Width pitch dimension	22.5 mm
[Us] rated supply voltage	24...240 V AC at 50/60 Hz
Voltage range	0.85...1.1 Us
Connections - terminals	Screw terminals, clamping capacity: 2 x 1.5 mm ² flexible with cable end Screw terminals, clamping capacity: 2 x 2.5 mm ² flexible without cable end
Tightening torque	0.6...1.1 N.m
Setting accuracy of time delay	< +/- 20 %
Repeat accuracy	< 1 %
Reset time	>= 100 ms after time delay period
Switching time	>= 40 ms
Temperature drift	<= 0.1 %/°C
Continuous output current	<= 0.7 A at 20 °C
Minimum output current	10 mA at 20 °C
Overload current	<= 15 A during 10 ms conforming to VDE 0435 (part 303), 4.8.3/class II
Voltage drop	<= 3 V closed contact(s) 0.7 A
Leakage current	<= 1 mA open contact(s)
Power dissipation in W	<= 4 W
Electrical durability	> 100000000 cycles
Marking	CE
Overvoltage category	III conforming to IEC 60664-1
[Ui] rated insulation voltage	250 V IEC certified 300 V CSA certified
Supply disconnection value	> 0.1 Uc
Operating position	Any position without derating
Surge withstand	2 kV conforming to IEC 61000-4-5 level 3
CAD overall width	22.5 mm
CAD overall height	78 mm
CAD overall depth	80 mm
Product weight	0.11 kg

Environment

Immunity to microbreaks	<= 2 ms during time delay period
Derating factor	None for > 20 °C
Standards	EN/IEC 61812-1
Product certifications	CSA GL UL

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Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	-20...60 °C
Relative humidity	15...85 % (3K3) conforming to IEC 60721-3-3
Vibration resistance	0.35 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
IP degree of protection	IP20 (terminals) IP50 (housing)
Pollution degree	3 conforming to IEC 60664-1
Dielectric strength	2.5 kV
Non-dissipating shock wave	4.8 kV
Resistance to electrostatic discharge	6 kV (in contact) conforming to IEC 61000-4-2 level 3 8 kV (in air) conforming to IEC 61000-4-2 level 3
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3 level 3
Resistance to fast transients	2 kV conforming to IEC 61000-4-4 level 3
Disturbance radiated/conducted	CISPR 11 group 1 - class A CISPR 22 - class A