Product data sheet
Characteristics

RE7PM11BU
Industrial timing relay, Harmony Time, pulse on energisation 0.05...1 s, 24 V AC DC, 1 OC



Commercial status
End of Commercialisation : MAR 31, 2022

⚠ End of Commercialisation

Main

Range of product	Zelio Time
Product or component type	Industrial timing relay
Component name	RE7
Time delay type	Ht W
Time delay range	0.05 s...300 h

Complementary

Discrete output type	Relay
Contacts material	90/10 silver nickel contacts
Width pitch dimension	22.5 Mm
[Us] rated supply voltage	110...240 V AC 50/60 Hz 24 V AC/DC 50/60 Hz 42...48 V AC/DC 50/60 Hz
Voltage range	0.85...1.1 Us
Connections - terminals	Screw terminals, 2 x 1.5 mm² flexible with cable end Screw terminals, 2 x 2.5 mm² flexible without cable end
Tightening torque	0.6…1.1 N.M
Setting accuracy of time delay	+/- 10 % of full scale
Repeat accuracy	+/- 0.2 %
Temperature drift	< 0.07 %/°C
Voltage drift	< 0.2 %/V
Minimum pulse duration	20 Ms
Reset time	50 Ms
Maximum switching voltage	250 V AC/DC
Mechanical durability	20000000 Cycles
[Ith] conventional free air thermal current	8 A
Maximum [Ie] rated operational current	2 A DC-13 24 V at 70 °C conforming to IEC 60947-5-1/1991/VDE 0660 0.1 A DC-13 250 V at 70 °C conforming to IEC 60947-5-1/1991/VDE 0660 0.2 A DC-13 115 V at 70 °C conforming to IEC 60947-5-1/1991/VDE 0660 3 A AC-15 at 70 °C conforming to IEC 60947-5-1/1991/VDE 0660
Minimum switching capacity	At 12 V 10 mA
Input voltage	< 60 V X1Z2 terminal(s) < 60 V Y1Z2 terminal(s)
Maximum switching current	1 MA (X1Z2) 1 MA (Y1Z2)
Input compatibility	3/4 wires sensors PNP/NPN without internal load <50 m X1Z2 terminal(s) 3/4 wires sensors PNP/NPN without internal load <50 m Y1Z2 terminal(s)

Potentiometer characteristic	Linear 47 kOhm (+/- 20 %), 0.2 W, cable length <25 m Z1Z2 terminal(s)
Marking	CE
Overvoltage category	III conforming to IEC 60664-1
[Ui] rated insulation voltage	250 V between contact circuit and control inputs IEC certified 250 V between contact circuit and power supply IEC certified 300 V between contact circuit and control inputs CSA certified 300 V between contact circuit and power supply 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
Power consumption in VA	0.7 VA at 24 V 1.6 VA at 48 V 1.8 VA at 110 V 8.5 VA at 240 V
Maximum power consumption in W	0.5 W at 24 V 1.2 W at 48 V
Terminal description	(B1-A2)CO (X1)UNUSED (Y1)UNUSED (15-16-18)OC_OFF (Z1)UNUSED ALT (Z2)UNUSED
Height	78 Mm
Width	22.5 Mm
Depth	80 Mm
Net weight	0.15 Kg

Environment

Immunity to microbreaks	3 Ms
Standards	EN/IEC 61812-1
Product certifications	GL[RETURN]UL[RETURN]CSA
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Offer Sustainability

Sustainable packaging	No

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commerc. - Block

RE7PM11BU may be replaced by any of the following products:



RE22R1MYMR

multifunction relay, Harmony Timer Relays, 8A, 1 CO, 0.05sâ€¦300h, symmetrical flashing, 24...240V AC DC

Qty 1

Substitution date: |