

RE7ML11BU

time delay relay 6 functions - 0.05..1 s - 24 V
AC DC - 10C

Product availability: Stock - Normally stocked in distribution facility



Main

Commercial Status	Commercialised
Range of product	Zelio Time
Product or component type	Industrial timing relay
Component name	RE7
Time delay type	A C D Di H W
Time delay range	0.05 s...300 h
[Us] rated supply voltage	42...48 V AC/DC 50/60 Hz 24 V AC/DC 50/60 Hz 110...240 V AC 50/60 Hz

Complementary

Discrete output type	Relay
Contacts material	90/10 silver nickel contacts
Width pitch dimension	0.89 in (22.5 mm)
Voltage range	0.85...1.1 Us
Connections - terminals	Screw terminals, clamping capacity: 2 x 2.5 mm ² flexible without cable end Screw terminals, clamping capacity: 2 x 1.5 mm ² flexible with cable end
Tightening torque	5.31...9.73 lbf.in (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
[Ie] rated operational current	<= 0.2 A DC-13 115 V at 158 °F (70 °C) conforming to IEC 60947-5-1/1991/VDE 0660 <= 0.1 A DC-13 250 V at 158 °F (70 °C) conforming to IEC 60947-5-1/1991/VDE 0660 <= 3 A AC-15 at 158 °F (70 °C) conforming to IEC 60947-5-1/1991/VDE 0660 <= 2 A DC-13 24 V at 158 °F (70 °C) conforming to IEC 60947-5-1/1991/VDE 0660
Minimum switching capacity	12 V/10 mA
Input voltage	< 60 V Y1Z2 terminal(s) < 60 V X1Z2 terminal(s)
Maximum switching current	1 mA Y1Z2 terminal(s) 1 mA X1Z2 terminal(s)
Input compatibility	3/4 wires sensors PNP/NPN without internal load, cable length: <= 164.04 ft (50 m) Y1Z2 terminal(s) 3/4 wires sensors PNP/NPN without internal load, cable length: <= 164.04 ft (50 m) X1Z2 terminal(s)
Potentiometer characteristic	Linear 47 kOhm (+/- 20 %), 0.2 W, cable length: <= 82.02 ft (25 m) Z1Z2terminal(s)
Marking	CE
Overvoltage category	III conforming to IEC 60664-1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

[Ui] rated insulation voltage	300 V between contact circuit and power supply CSA certified 300 V between contact circuit and control inputs CSA certified 250 V between contact circuit and power supply IEC certified 250 V between contact circuit and control inputs IEC 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	8.5 VA 240 V 1.8 VA 110 V 1.6 VA 48 V 0.7 VA 24 V
Power consumption in W	1.2 W 48 V 0.5 W 24 V
Terminal description	(15-16-18)OC (B1-A2)CO (X1)UNUSED (Y1)UNUSED (Z1)UNUSED (Z2)UNUSED ALT
Height	3.07 in (78 mm)
Width	0.89 in (22.5 mm)
Depth	3.15 in (80 mm)
Product weight	0.33 lb(US) (0.15 kg)

Environment

Immunity to microbreaks	3 ms
Standards	EN/IEC 61812-1
Product certifications	CSA GL UL
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	-4...140 °F (-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	IP50 (housing) IP20 (terminals)
Pollution degree	3 conforming to IEC 60664-1
Dielectric strength	2.5 kV
Non-dissipating shock wave	4.8 kV
Resistance to electrostatic discharge	8 kV (in air) conforming to IEC 61000-4-2 level 3 6 kV (in contact) conforming to IEC 61000-4-2 level 3
Resistance to electromagnetic fields	9.14 V/yd (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

Ordering and shipping details

Category	22376 - RELAYS-MEASUREMENT(RM4)
Discount Schedule	CP2
GTIN	00785901481430
Nbr. of units in pkg.	1
Package weight(Lbs)	0.29
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	ID

Contractual warranty

Period	18 months
--------	-----------