Product data sheet
Characteristics

RE11LAMW
on-delay timing relay - 1 s..100 h - 24..240 V AC/DC - solid state output

Main

Commercial Status	Commercialised
Range of product	Zelio Time
Product or component type	Modular timing relay
Discrete output type	Solid state
Width pitch dimension	17.5 mm
Component name	RE11L
Time delay type	A
Time delay range	0.1...1 s 1...10 h 1...10 min 1...10 s 10...100 h 6...60 min 6...60 s
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz

Complementary

Control type	Selector switch on front panel
Voltage range	0.85...1.1 Us
Nominal output current	0.7 A
Connections - terminals	Screw terminals, clamping capacity: 2 x 2.5 mm² without cable end Screw terminals, clamping capacity: 2 x 1.5 mm² with cable end Screw terminals, clamping capacity: 1 x 4 mm² without cable end
Housing material	Self-extinguishing
Repeat accuracy	+/- 0.5 % conforming to IEC 61812-1
Temperature drift	+/- 0.05 %/°C
Voltage drift	+/- 0.2 %/V
Setting accuracy of time delay	+/- 10 % of full scale at 25 °C conforming to IEC 61812-1
Minimum pulse duration	0.05 s
Reset time	<= 350 ms on de-energisation
On-load factor	100 %
Power consumption in VA	<= 32 VA 240 V
Power consumption in W	<= 1.5 W 240 V <= 0.6 W 24 V
Breaking capacity	0.7 A AC/DC at 20 °C 0.5 A AC/DC conforming to UL
Maximum output current	20 A < 10 ms
Minimum switching current	10 mA
Leakage current	< 5 mA
Maximum switching voltage	250 V
Voltage drop	8 V 2-wire 4 V 3-wire
Electrical durability	100000000 cycles
Mechanical durability	100000000 cycles
Marking	CE
Creepage distance	4 kV/3 conforming to IEC 60664-1
Surge withstand	2 kV (common mode) conforming to IEC 61000-4-5 level 3 1 kV (differential mode) conforming to IEC 61000-4-5 level 3
Mounting support	35 mm symmetrical mounting rail conforming to EN 50022
Product weight	0.06 kg

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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.
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Environment

Immunity to microbreaks	> 10 ms
Derating factor	5 mA/°C
Dielectric strength	2.5 V 1 mA/1 minute conforming to IEC 60664 2.5 V 1 mA/1 minute conforming to IEC 60255-5
Standards	73/23/EEC 89/336/EEC 93/68/EEC EN 50081-1/2 EN 50082-1/2 IEC 60669-2-3 IEC 61812-1
Product certifications	CSA CULus
Ambient air temperature for storage	-30...60 °C
Ambient air temperature for operation	-20...60 °C
IP degree of protection	IP50 (front panel) conforming to IEC 60529 IP40 (housing) conforming to IEC 60529 IP20 (terminal block) conforming to IEC 60529
Vibration resistance	0.35 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Relative humidity	93 % without condensation conforming to IEC 60068-2-3
Resistance to electrostatic discharge	8 kV (in contact) conforming to IEC 61000-4-2 level 3 6 kV (in air) conforming to IEC 61000-4-2 level 3
Resistance to electromagnetic fields	10 V/m, 80 MHz to 1 GHz conforming to IEC 61000-4-3 level 3 10 V/m, 80 MHz to 1 GHz conforming to ENV 50140/204 level 3
Resistance to fast transients	2 kV, direct conforming to IEC 61000-4-4 level 3 1 kV, capacitive connecting clip conforming to IEC 61000-4-4 level 3
Immunity to radioelectric fields	10 V (0.15...80 MHz) conforming to ENV 50141 (IEC 61000-4-6 level 3)
Immunity to voltage dips	95 %/5 s conforming to IEC 61000-4-11 60 %/100 ms conforming to IEC 61000-4-11 30 %/10 ms conforming to IEC 61000-4-11
Disturbance radiated/conducted	Class B conforming to EN 55022 (EN 55011 group 1)

Contractual warranty

Period	18 months

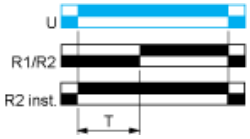
Function A : Power on Delay Relay

Description

The timing period T begins on energisation. After timing, the output(s) R close(s). The second output can be either timed or instantaneous.

Function: 1 Output

Function: 2 Outputs



2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

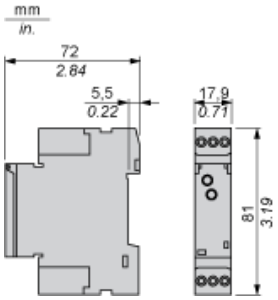
Legend

Relay de-energised
Relay energised
Output open
Output closed

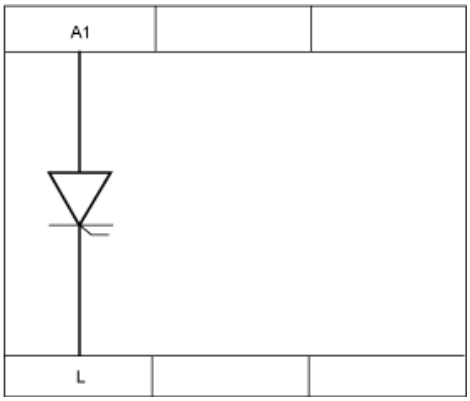
C Control contact
G Gate
R Relay or solid state output
R1/R2 2 timed outputs
R2 inst. The second output is instantaneous if the right position is selected
T Timing period
Ta Adjustable On-delay
Tr Adjustable Off-delay
U Supply

RE11LAMW

Width 17.5 mm



Internal Wiring Diagram



Wiring Diagram