Product datasheet
Characteristics

RE17LAMW

Main

Range of product	Zelio Time
Product or component type	Modular timing relay
Discrete output type	Solid state
Width	0.69 in (17.5 mm)
Component name	RE17L
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
Nominal output current	0.7 A

Complementary

Control type	Selector switch on front panel
[Us] rated supply voltage	24...240 V AC/DC at 50/60 Hz
Voltage range	0.85...1.1 Us
Supply frequency	50...60 Hz (+/- 5 %)
Impulse duration	0.05 s typical
Insulation resistance	100 MOhm at 500 V DC conforming to IEC 60664-1
[Uimp] rated impulse withstand voltage	5 kV (1.2/50 µs)
Delay response	< 100 ms
Connections - terminals	Screw terminals, clamping capacity: 1 x 0.5...1 x 3.3 mm² AWG 20...AWG 12 (solid) without cable end Screw terminals, clamping capacity: 2 x 0.5...2 x 2.5 mm² AWG 20...AWG 14 (solid) without cable end Screw terminals, clamping capacity: 1 x 0.2...1 x 2.5 mm² AWG 24...AWG 14 (flexible) with cable end Screw terminals, clamping capacity: 2 x 0.2...2 x 1.5 mm² AWG 24...AWG 16 (flexible) with cable end
Tightening torque	5.31...8.85 lbf.in (0.6...1 N.m) conforming to IEC 60947-1
Dielectric strength	2.5 kV 1 mA/1 minute 50 Hz conforming to IEC 61812-1
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
Reset time	350 ms on de-energisation typical
On-load factor	100 %
Power consumption in VA	0...3 VA at 240 V AC
Power consumption in W	<= 1.5 W at 240 V DC
Breaking capacity	0.5 A AC/DC conforming to UL 0.7 A AC/DC at 68 °F (20 °C)
Operating rate in Hz	10 Hz
Maximum output current	20 A <= 10 ms
Minimum switching current	10 mA
Leakage current	< 5 mA
Maximum switching voltage	250 V AC/DC
Voltage drop	4 V 3-wire

	8 V 2-wire
Electrical durability	100000000 cycles
Marking	CE
Creepage distance	4 kV/3 conforming to IEC 60664-1
Safety reliability data	MTTFd = 353.8 years B10d = 320000
Mounting position	Any position in relation to normal vertical mounting plane
Mounting support	35 mm DIN rail conforming to EN/IEC 60715
Product weight	0.15 lb(US) (0.068 kg)

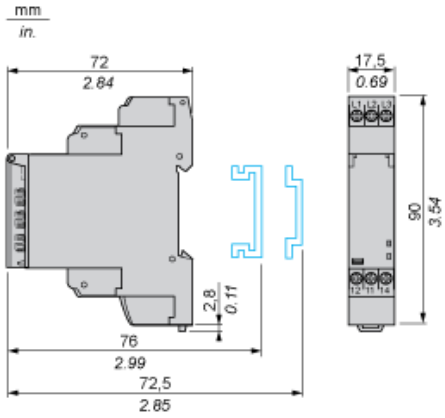
Environment

immunity to microbreaks	<= 20 ms
derating factor	5 mA/°C
standards	2004/108/EC EN 61000-6-1 EN 61000-6-2 EN 61000-6-3 EN 61000-6-4 IEC 61812-1 2006/95/EC
product certifications	CSA CULus GL
ambient air temperature for storage	-22...140 °F (-30...60 °C)
ambient air temperature for operation	-4...140 °F (-20...60 °C)
IP degree of protection	IP20 (terminal block) conforming to IEC 60529 IP40 (housing) conforming to IEC 60529 IP50 (front panel) conforming to IEC 60529
vibration resistance	20 m/s² (f = 10...150 Hz) conforming to IEC 60068-2-6
shock resistance	15 gn (duration = 11 ms) conforming to IEC 60068-2-27
relative humidity	93 % without condensation conforming to IEC 60068-2-30
electromagnetic compatibility	Electrostatic discharge immunity test, in contact at 6 kV conforming to IEC 61000-4-2 level 3 Electrostatic discharge immunity test, in air at 8 kV conforming to IEC 61000-4-2 level 3 Susceptibility to electromagnetic fields, 80 MHz to 1 GHz at 10 V/m conforming to IEC 61000-4-3 level 3 Electrical fast transient/burst immunity test, capacitive connecting clip at 1 kV conforming to IEC 61000-4-4 level 3 Electrical fast transient/burst immunity test, direct at 2 kV conforming to IEC 61000-4-4 level 3 1.2/50 µs shock waves immunity test, differential mode at 1 kV conforming to IEC 61000-4-5 level 3 1.2/50 µs shock waves immunity test, common mode at 2 kV conforming to IEC 61000-4-5 level 3 Conducted RF disturbances, 0.15...80 MHz at 10 V conforming to IEC 61000-4-6 level 3 Voltage dips and interruptions immunity test, 1 cycle at 0 % conforming to IEC 61000-4-11 Voltage dips and interruptions immunity test, 25/30 cycles at 70 % conforming to IEC 61000-4-11 Conducted and radiated emissions conforming to EN 55022 class B

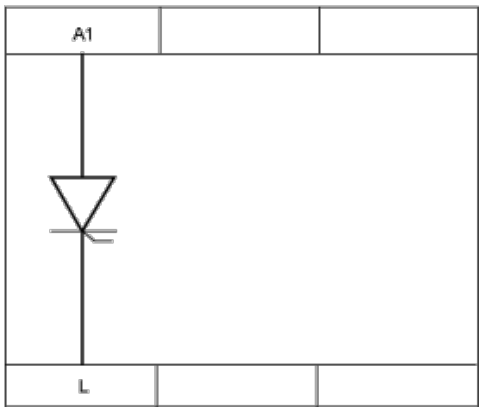
Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1650 - Schneider Electric declaration of conformity	Compliant - since 1650 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.

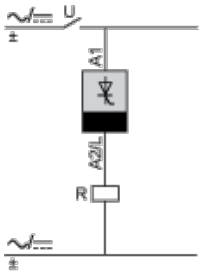
Width 17.5 mm



Internal Wiring Diagram



Wiring Diagram

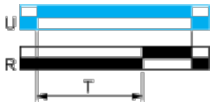


Function A : Power on Delay Relay

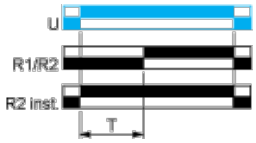
Description

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