


Product datasheet

Specifications



asymmetrical flashing relay - 0.1..1 s - 24..240 V AC - solid state output

RE11LLBM

 **Discontinued on:** 19 Dec 2019

 **Discontinued**

Main

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	Li L
Time Delay Range	1...10 h 6...60 min 1...10 min 6...60 s 1...10 s 10...100 h 0.1...1 s
[Us] Rated Supply Voltage	24...240 V AC at 50/60 Hz

Complementary

Control Type	Selector switch front panel
Voltage Range	0.85...1.1 Us
Nominal Output Current	0.7 A
Connections - Terminals	Screw terminals, 1 x 4 mm ² without cable end Screw terminals, 2 x 1.5 mm ² with cable end Screw terminals, 2 x 2.5 mm ² 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 at 240 V
Breaking Capacity	0.5 A AC/DC conforming to UL 0.7 A AC/DC at 20 °C
Maximum Output Current	20 A

Disclaimer: 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

Minimum Switching Current	10 mA
Maximum Leakage Current	5 mA
Maximum Switching Voltage	250 V
Maximum Voltage Drop	<4 V 3-wire <8 V 2-wire
Electrical Durability	100000000 cycles
Mechanical Durability	100000000 cycles
Marking	CE
Creepage Distance	4 kV/3 conforming to IEC 60664-1
Surge Withstand	1 kV differential mode conforming to IEC 61000-4-5 level 3 2 kV common mode conforming to IEC 61000-4-5 level 3
Mounting Support	35 mm symmetrical mounting rail conforming to EN 50022
Net Weight	0.06 kg

Environment

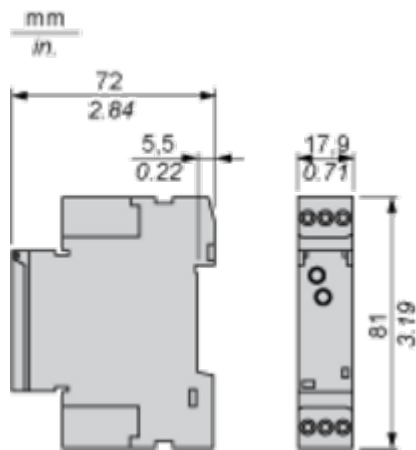
Immunity To Microbreaks	10 ms
Derating Factor	5 mA/°C
Dielectric Strength	2.5 V 1 mA/1 minute conforming to IEC 60255-5 2.5 V 1 mA/1 minute conforming to IEC 60664
Standards	EN 50082-1/2 93/68/EEC IEC 60669-2-3 IEC 61812-1 89/336/EEC EN 50081-1/2 73/23/EEC
Product Certifications	CSA cULus
Ambient Air Temperature For Storage	-30...60 °C
Ambient Air Temperature For Operation	-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	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	6 kV in air conforming to IEC 61000-4-2 level 3 8 kV in contact conforming to IEC 61000-4-2 level 3
Resistance To Electromagnetic Fields	10 V/m 80 MHz to 1 GHz conforming to ENV 50140/204 level 3 10 V/m 80 MHz to 1 GHz conforming to IEC 61000-4-3 level 3
Resistance To Fast Transients	1 kV (capacitive connecting clip) conforming to IEC 61000-4-4 level 3 2 kV (direct) 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	30 % / 10 ms conforming to IEC 61000-4-11 60 % / 100 ms conforming to IEC 61000-4-11 95 % / 5 s conforming to IEC 61000-4-11
Disturbance Radiated/Conducted	Class B conforming to EN 55022 (EN 55011 group 1)

Contractual warranty

Warranty	18 months
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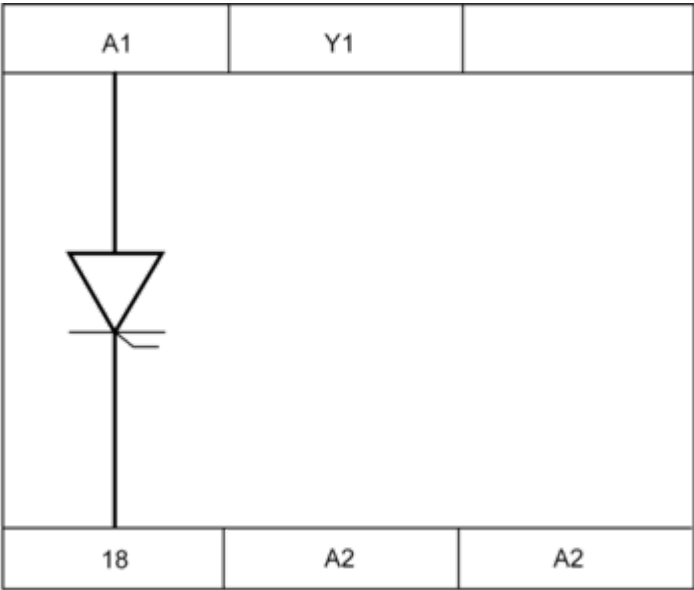
Dimensions Drawings

Width 17.5 mm

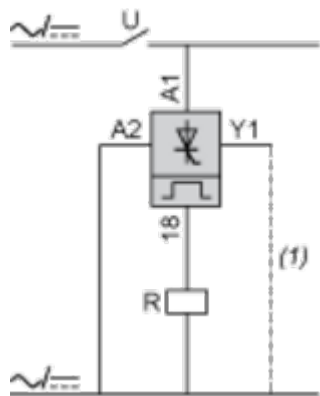


Connections and Schema

Internal Wiring Diagram



Wiring Diagram



1 Link A2-Y1 for function L only.

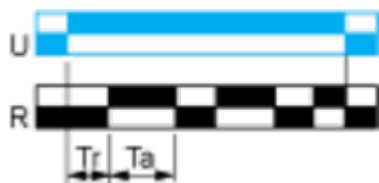
Technical Description

Function L : Asymmetrical Flasher Relay (Starting Pulse Off)

Description

Repetitive cycle comprises of two, independently adjustable timing periods T_a and T_r . Each timing period corresponds to a different state of the output R.

Function: 1 Output



Function Li : Asymmetrical Flasher Relay (Starting Pulse On)

Description

Repetitive cycle comprises of two, independently adjustable timing periods T_a and T_r . Each timing period corresponds to a different state of the output R.

Function: 1 Output



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