

Product data sheet

Specifications



single function relay, Harmony
Timer Relays, 0.7A, 1s..100h,
asymmetrical flashing, solid state
output, spring terminals, 24 to 240V
AC

RE17LLBMS

⚠ Discontinued

⚠ Discontinued on: Jul 28, 2023

Main

Range Of Product	Harmony Timer Relays
Product Or Component Type	Dual function relay
Discrete Output Type	Solid state
Width	17.5 mm
Component Name	RE17L
Time Delay Type	Asymmetrical flashing
Time Delay Range	6...60 s 6...60 min 1...10 min 0.1...1 s 1...10 h 10...100 h 1...10 s
Nominal Output Current	0.7 A

Complementary

Height	90 mm
Depth	72 mm
Control Type	Selector switch front panel
[Us] Rated Supply Voltage	24...240 V AC 50/60 Hz
Voltage Range	0.85...1.1 Us
Supply Frequency	50...60 Hz +/- 5 %
Release Of Input Voltage	7 V
Control Signal Pulse Width	0.05 s typical
Insulation Resistance	100 MOhm at 500 V DC conforming to IEC 60664-1
[Uimp] Rated Impulse Withstand Voltage	5 kV during 1.2/50 µs
Power On Delay	100 ms
Connections - Terminals	Spring terminals, 2 x 0.2...2 x 1.5 mm² (AWG 24...AWG 16) solid without cable end Spring terminals, 2 x 0.2...2 x 1.5 mm² (AWG 24...AWG 16) flexible without cable end
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

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

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
Breaking Capacity	0.5 A AC conforming to UL 0.7 A AC at 20 °C
Operating Frequency	10 Hz
Maximum Output Current	20 A
Minimum Switching Current	10 mA
Maximum Leakage Current	5 mA
Maximum Switching Voltage	250 V AC
Maximum 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	B10d = 320000 MTTFd = 353.8 years
Mounting Position	Any position in relation to normal vertical mounting plane
Mounting Support	35 mm DIN rail conforming to IEC 60715
Net Weight	0.05 kg
Time Delay Type	L, Li
Functionality	Asymmetrical flashing timer
Number Of Functions	2
Compatibility Code	RE17

Environment

Immunity To Microbreaks	20 ms
Derating Factor	5 mA/°C
Standards	IEC 61000-6-2 IEC 61000-6-4 IEC 61812-1 IEC 61000-6-1 IEC 61000-6-3 2006/95/EC 2004/108/EC
Product Certifications	CSA cULus DNV-GL EAC
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	20 m/s² (f= 10...150 Hz) conforming to IEC 60068-2-6
Shock Resistance	15 gn for 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), level 3, 6 kV, conforming to IEC 61000-4-2 Electrostatic discharge immunity test: (in air), level 3, 8 kV, conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields: (80 MHz to 1 GHz), level 3, 10 V/m, conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test: (capacitive connecting clip), level 3, 1 kV, conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test: (direct), level 3, 2 kV, conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test: (differential mode), level 3, 1 kV, conforming to IEC 61000-4-5 1.2/50 µs shock waves immunity test: (common mode), level 3, 2 kV, conforming to IEC 61000-4-5 Conducted RF disturbances: (0.15...80 MHz), level 3, 10 V, conforming to IEC 61000-4-6 Voltage dips and interruptions immunity test: (1 cycle), 0 %, conforming to IEC 61000-4-11 Voltage dips and interruptions immunity test: (25/30 cycles), 70 %, conforming to IEC 61000-4-11 Conducted and radiated emissions: , class B, conforming to EN 55022

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.5 cm
Package 1 Width	8 cm
Package 1 Length	9.5 cm
Package 1 Weight	64 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	40
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.19 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance



Mercury Free



RoHS Exemption Information

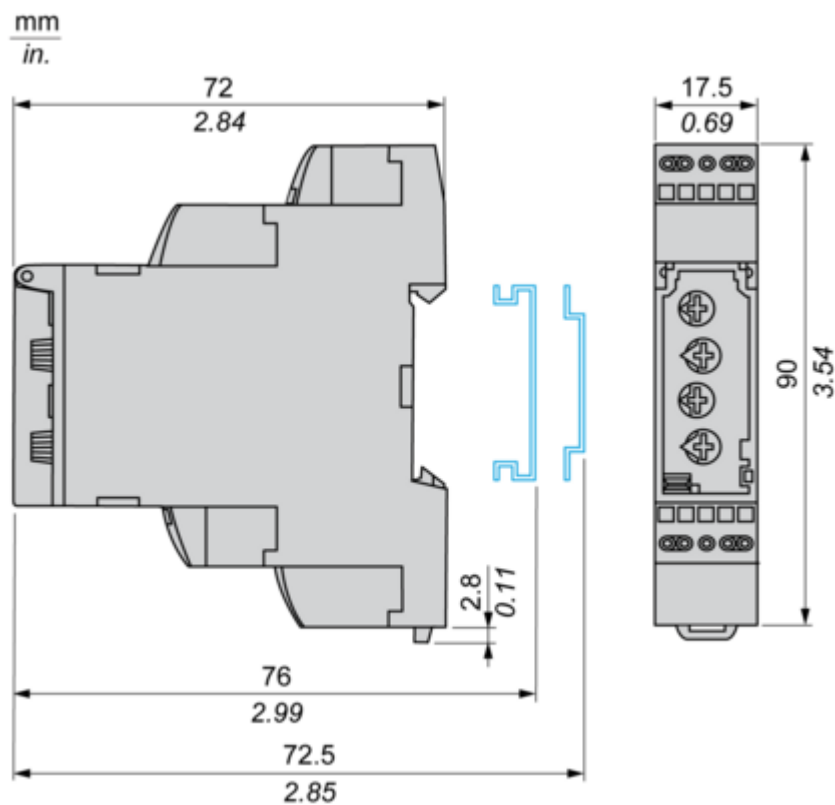
Yes

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information
California Proposition 65	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. For more information go to www.P65Warnings.ca.gov

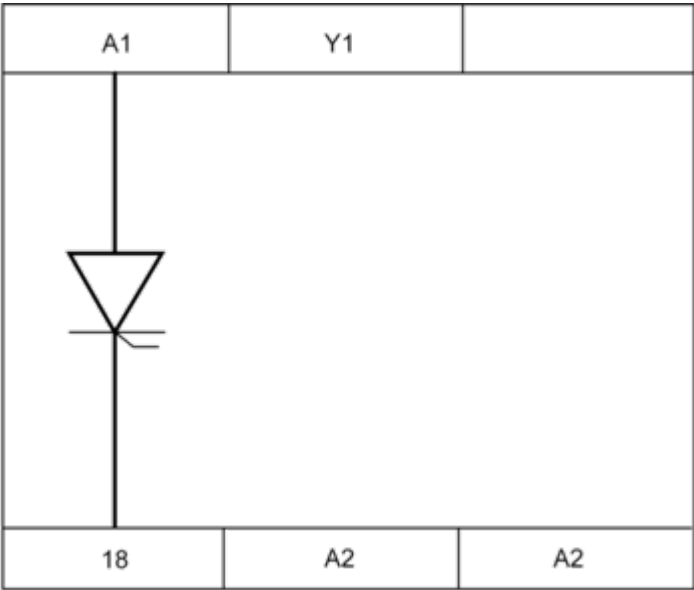
Dimensions Drawings

Dimensions

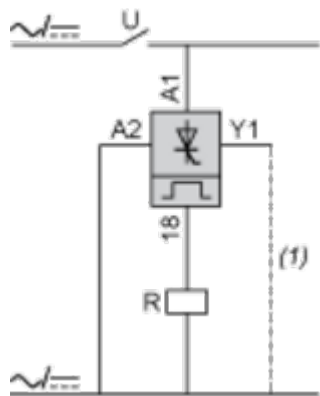


Connections and Schema

Internal Wiring Diagram



Wiring Diagram



1 Link A2-Y1 for function L only.

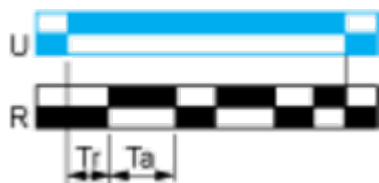
Technical Description

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