

# Product data sheet

Specifications



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

RE17LLBM

**Product availability:** Non-Stock - Not normally stocked in distribution facility

## Main

Range of Product	Harmony Timer Relays
Discrete output type	Solid state
Width	0.7 in (17.5 mm)
Product or Component Type	Modular timing relay
Component name	RE17L
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	3.5 in (90 mm)
Depth	2.8 in (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 500 V DC IEC 60664-1
[Uiimp] rated impulse withstand voltage	5 kV 1.2/50 $\mu$ s
power on delay	100 ms
Connections - terminals	Screw terminals, 1 x 0.5...1 x 3.3 mm <sup>2</sup> AWG 20...AWG 12) solid without cable end Screw terminals, 2 x 0.5...2 x 2.5 mm <sup>2</sup> AWG 20...AWG 14) solid without cable end Screw terminals, 1 x 0.2...1 x 2.5 mm <sup>2</sup> AWG 24...AWG 14) flexible with cable end Screw terminals, 2 x 0.2...2 x 1.5 mm <sup>2</sup> AWG 24...AWG 16) flexible with cable end
Tightening torque	5.3...8.9 lbf.in (0.6...1 N.m) IEC 60947-1
Dielectric strength	2.5 kV 1 mA/1 minute 50 Hz IEC 61812-1
Housing material	Self-extinguishing
Repeat accuracy	+/- 0.5 % IEC 61812-1

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Temperature Drift</b>	+/- 0.05 %/°C
<b>Voltage drift</b>	+/- 0.2 %/V
<b>Setting accuracy of time delay</b>	+/- 10 % of full scale 25 °C IEC 61812-1
<b>Time delay type</b>	Asymmetrical flashing - L- Asymmetrical flashing relay (starting pulse-off) Asymmetrical flashing - Li- Asymmetrical flashing relay (starting pulse-on)
<b>Reset time</b>	350 ms on de-energisation typical
<b>On-load factor</b>	100 %
<b>Power consumption in VA</b>	0...3 VA 240 V AC
<b>Breaking capacity</b>	0.5 A AC UL 0.7 A AC 68 °F (20 °C)
<b>operating frequency</b>	10 Hz
<b>Maximum output current</b>	20 A
<b>minimum switching current</b>	10 mA
<b>Maximum leakage current</b>	5 mA
<b>Maximum switching voltage</b>	250 V AC
<b>Maximum voltage drop</b>	<4 V 3-wire <8 V 2-wire
<b>Electrical durability</b>	100000000 cycles
<b>Marking</b>	CE
<b>Creepage distance</b>	4 kV/3 IEC 60664-1
<b>Safety reliability data</b>	B10d = 320000 MTTFd = 353.8 years
<b>Mounting position</b>	Any position in relation to normal vertical mounting plane
<b>Mounting support</b>	35 mm DIN rail conforming to IEC 60715
<b>Function available</b>	L- Asymmetrical flashing relay (starting pulse-off)-1 solid state output Li- Asymmetrical flashing relay (starting pulse-on)-1 solid state output
<b>Control Type</b>	Without test button
<b>Product Weight</b>	0.150 lb(US) (0.068 kg)
<b>Time delay type</b>	L, Li
<b>Functionality</b>	Asymmetrical flashing timer
<b>Number of functions</b>	2
<b>Compatibility code</b>	RE17

## Environment

<b>Immunity to microbreaks</b>	20 ms
<b>Derating factor</b>	5 mA/°C
<b>Standards</b>	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
<b>Product Certifications</b>	cULus GL CSA
<b>Ambient Air Temperature for Storage</b>	-22...140 °F (-30...60 °C)

<b>Ambient Air Temperature for Operation</b>	-4...140 °F (-20...60 °C)
<b>IP degree of protection</b>	IP20 IEC 60529 terminal block IP40 IEC 60529 housing) IP50 IEC 60529 front panel)
<b>Vibration resistance</b>	20 m/s <sup>2</sup> (f= 10...150 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	15 gn 11 ms IEC 60068-2-27
<b>Relative Humidity</b>	93 % without condensation IEC 60068-2-30
<b>Electromagnetic compatibility</b>	Electrostatic discharge immunity test 6 kV in contact) level 3 IEC 61000-4-2 Electrostatic discharge immunity test 8 kV in air) level 3 IEC 61000-4-2 Susceptibility to electromagnetic fields 10 V/m 80 MHz to 1 GHz) level 3 IEC 61000-4-3 Electrical fast transient/burst immunity test 1 kV capacitive connecting clip) level 3 IEC 61000-4-4 Electrical fast transient/burst immunity test 2 kV direct) level 3 IEC 61000-4-4 1.2/50 µs shock waves immunity test 1 kV differential mode) level 3 IEC 61000-4-5 1.2/50 µs shock waves immunity test 2 kV common mode) level 3 IEC 61000-4-5 Conducted RF disturbances 10 V 0.15...80 MHz) level 3 IEC 61000-4-6 Voltage dips and interruptions immunity test 0 % 1 cycle) IEC 61000-4-11 Voltage dips and interruptions immunity test 70 % 25/30 cycles) IEC 61000-4-11 Conducted and radiated emissionsclass B EN 55022

## Ordering and shipping details

<b>Category</b>	US10CP222370
<b>Discount Schedule</b>	OCP2
<b>GTIN</b>	3606480552656
<b>Returnability</b>	Yes
<b>Country of origin</b>	ID

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	1.06 in (2.7 cm)
<b>Package 1 Width</b>	3.15 in (8.0 cm)
<b>Package 1 Length</b>	3.74 in (9.5 cm)
<b>Package weight(Lbs)</b>	2.6 oz (73.0 g)
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	40
<b>Package 2 Height</b>	5.91 in (15.0 cm)
<b>Package 2 Width</b>	11.81 in (30.0 cm)
<b>Package 2 Length</b>	15.75 in (40.0 cm)
<b>Package 2 Weight</b>	7.379 lb(US) (3.347 kg)



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Carbon footprint (kg CO<sub>2</sub> eq, Total Life cycle) **44**

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

[EU RoHS Directive](#) **Pro-active compliance (Product out of EU RoHS legal scope)**

SCIP Number **7bdc2711-0ad2-427c-8ece-532c5e9f09d7**

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](#)**

## Use Again

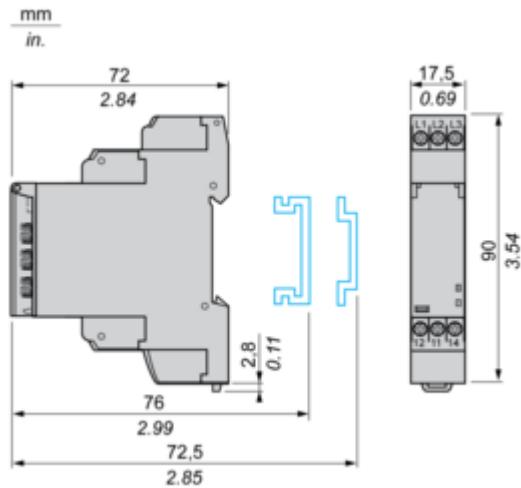
### Repack and remanufacture

Circularity Profile [End of Life Information](#)

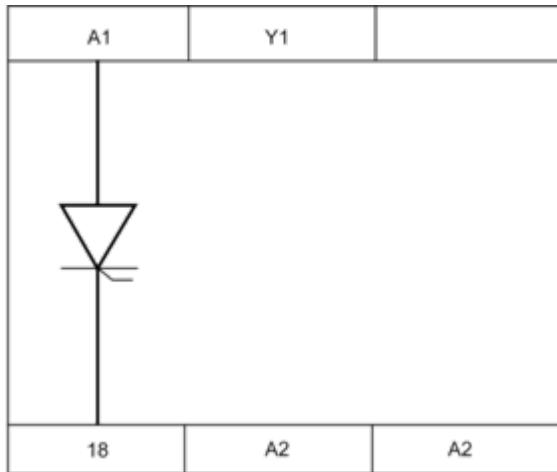
Take-back **No**

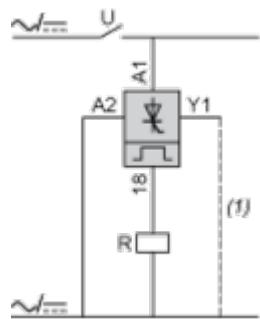
## Dimensions Drawings

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**

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	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
T <sub>a</sub> -	Adjustable On-delay
T <sub>r</sub> -	Adjustable Off-delay
U	Supply

## Technical Illustration

## Dimensions

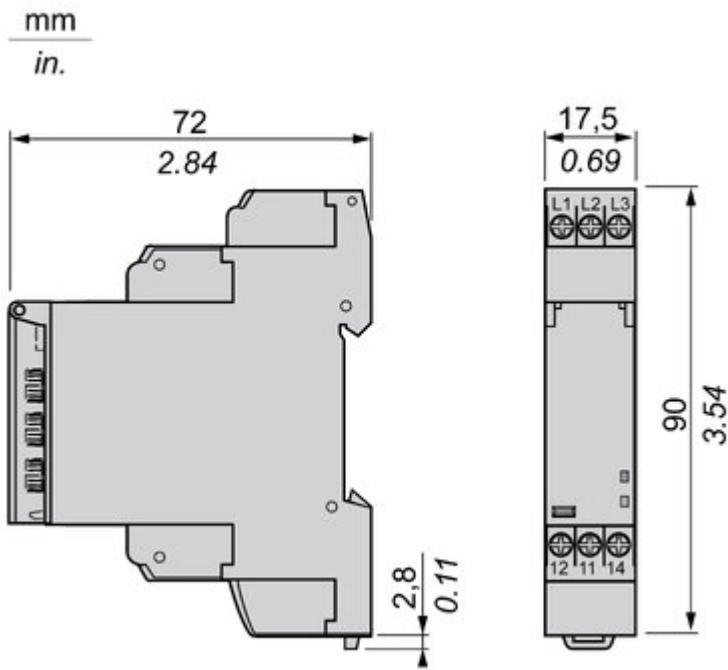


Image of product / Alternate images

Alternative

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Image of product in real life situation

