Specifications





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

RE17LHBM

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

Price*: 42.90 USD

Main

Range of Product	Harmony Timer Relays
Product or Component Type	Modular timing relay
Discrete output type	Solid state
Width	0.7 in (17.5 mm)
Component name	RE17L
time delay type	Interval
time delay range	110 s 110 h 0.11 s 660 s 660 min 110 min 10100 h
Nominal output current	0.7 A

Complementary

1 3	
Control type	Selector switch front panel
[Us] rated supply voltage	24240 V AC 50/60 Hz
Voltage range	0.851.1 Us
Supply frequency	5060 Hz +/- 5 %
release of input voltage	9 V
control signal pulse width	0.05 s typical
Insulation resistance	100 MOhm 500 V DC IEC 60664-1
[Uimp] rated impulse withstand voltage	5 kV 1.2/50 μs
power on delay	100 ms
Connections - terminals	Screw terminals, 1 x 0.51 x 3.3 mm ² AWG 20AWG 12) solid without cable end Screw terminals, 2 x 0.52 x 2.5 mm ² AWG 20AWG 14) solid without cable end Screw terminals, 1 x 0.21 x 2.5 mm ² AWG 24AWG 14) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm ² AWG 24AWG 16) flexible with cable end
Tightening torque	5.38.9 lbf.in (0.61 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.

Temperature Drift	+/- 0.05 %/°C
Voltage drift	+/- 0.2 %/V
Setting accuracy of time delay	+/- 10 % of full scale 25 °C IEC 61812-1
Reset time	350 ms on de-energisation typical
On-load factor	100 %
Power consumption in VA	03 VA 240 V AC
Maximum power consumption in W	1.5 W 240 V DC
Breaking capacity	0.5 A AC UL 0.7 A AC 68 °F (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	10000000 cycles
marking	CE
Creepage distance	4 kV/3 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 IEC 60715
Function available	H- Interval relay-1 solid state output
Control Type	Without test button
Net Weight	0.150 lb(US) (0.068 kg)
Time delay type	н
Functionality	On-delay timing
Number of functions	1
Compatibility code	RE17

Environment

Immunity to microbreaks	20 ms
Derating factor	5 mA/°C
Standards	2006/95/EC IEC 61000-6-1 IEC 61000-6-3 IEC 61000-6-2 IEC 61812-1 IEC 61000-6-4 2004/108/EC
Product Certifications	cULus CSA GL
Ambient Air Temperature for Storage	-22140 °F (-3060 °C)
Ambient Air Temperature for Operation	-4140 °F (-2060 °C)

IP degree of protection	IP20 IEC 60529 terminal block)
	IP40 IEC 60529 housing)
	IP50 IEC 60529 front panel)
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Vibration resistance	20 m/s² 10150 Hz)IEC 60068-2-6
Shock resistance	
	15 gn 11 ms IEC 60068-2-27
Relative Humidity	93 % without condensation IEC 60068-2-30
Electromagnetic compatibility	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 0.1580 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

Category	US10CP222370
Discount Schedule	0CP2
GTIN	3606480552649
Returnability	No
Country of origin	ID

Packing Units

•	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.063 in (2.700 cm)
Package 1 Width	3.150 in (8.000 cm)
Package 1 Length	3.740 in (9.500 cm)
Package 1 Weight	2.434 oz (69.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	7.152 lb(US) (3.244 kg)

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass 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.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance



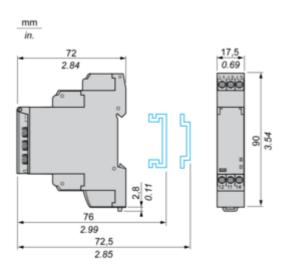
Rohs Exemption Information

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
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

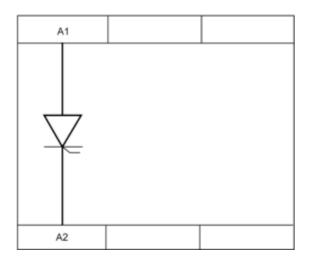
Dimensions Drawings

Width 17.5 mm

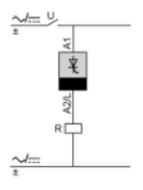


Connections and Schema

Internal Wiring Diagram



Wiring Diagram



Technical Description

Function H : Interval Relay

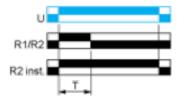
Description

On energisation of the relay, timing period T starts and the output(s) R close(s). At the end of the timing period T, the output(s) R revert(s) to its/their initial state. 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	
С	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
т	Timing period
Ta -	Adjustable On-delay
Tr -	Adjustable Off-delay
U	Supply