

# Product data sheet

Specifications



Modular timing relay, Harmony, 0.7A, 1s..100h, off delay, solid state output, spring terminals, 24...240V AC

RE17LCBMS

! Discontinued

! Discontinued on: Oct 9, 2023

Product availability: Stock - Normally stocked in distribution facility

Price\*: 54.60 USD

## Main

Range Of Product	Harmony Timer Relays
Product Or Component Type	Single function relay
Discrete Output Type	Solid state
Width	0.69 in (17.5 mm)
Component Name	RE17L
Time Delay Type	Off-delay
Time Delay Range	10...100 h 6...60 s 6...60 min 1...10 h 1...10 s 1...10 min 0.1...1 s
Nominal Output Current	0.7 A

## Complementary

Height	3.54 in (90 mm)
Depth	2.83 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
[Uimp] Rated Impulse Withstand Voltage	5 kV 1.2/50 µs
Power On Delay	100 ms
Connections - Terminals	Spring terminals, 2 x 0.2...2 x 1.5 mm <sup>2</sup> AWG 24...AWG 16) solid without cable end Spring terminals, 2 x 0.2...2 x 1.5 mm <sup>2</sup> AWG 24...AWG 16) flexible without cable end
Dielectric Strength	2.5 kV 1 mA/1 minute 50 Hz IEC 61812-1
Housing Material	Self-extinguishing

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

<b>Repeat Accuracy</b>	+/- 0.5 % IEC 61812-1
<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>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>	MTTFd = 353.8 years B10d = 320000
<b>Mounting Position</b>	Any position in relation to normal vertical mounting plane
<b>Mounting Support</b>	35 mm DIN rail conforming to EN/IEC 60715
<b>Net Weight</b>	0.11 lb(US) (0.05 kg)
<b>Time Delay Type</b>	C
<b>Functionality</b>	Off-delay timing
<b>Compatibility Code</b>	RE17

## Environment

<b>Immunity To Microbreaks</b>	20 ms
<b>Derating Factor</b>	5 mA/°C
<b>Standards</b>	2004/108/EC EN 61000-6-3 2006/95/EC EN 61000-6-2 IEC 61812-1 EN 61000-6-4 EN 61000-6-1
<b>Product Certifications</b>	CSA cULus DNV-GL EAC
<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/s² 10...150 Hz)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>	22370-RE, RM MISC TIMERS & COUNTERS
<b>Discount Schedule</b>	CP2
<b>Gtin</b>	3606489861537
<b>Returnability</b>	No

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	0.98 in (2.5 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 1 Weight</b>	2.29 oz (65.0 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>	6.93 lb(US) (3.142 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-CO<sub>2</sub> 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

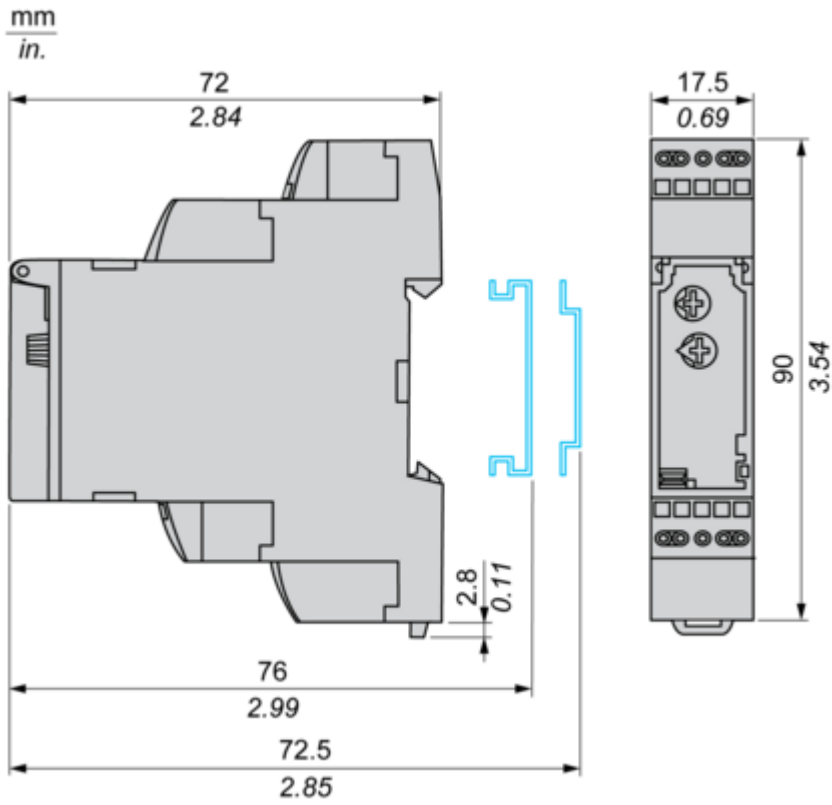
 Mercury Free

 RoHS Exemption Information Yes

## Certifications & Standards

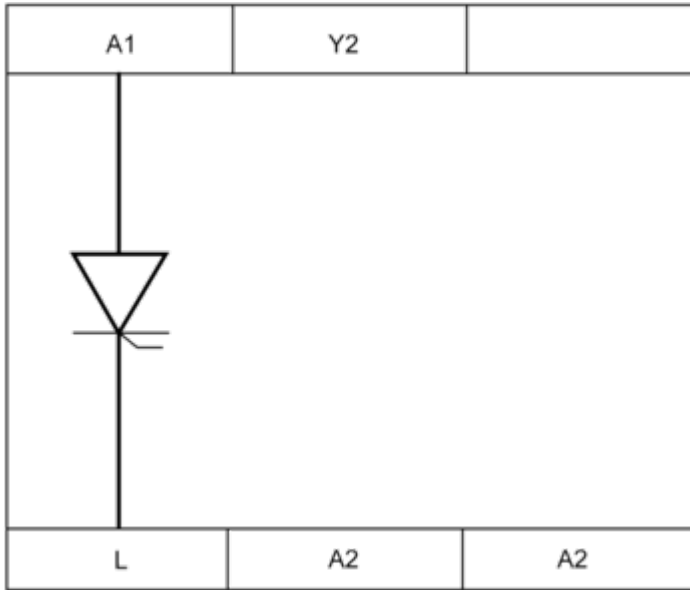
Reach Regulation	<a href="#">REACH Declaration</a>
Eu RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	<a href="#">End of Life Information</a>
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions



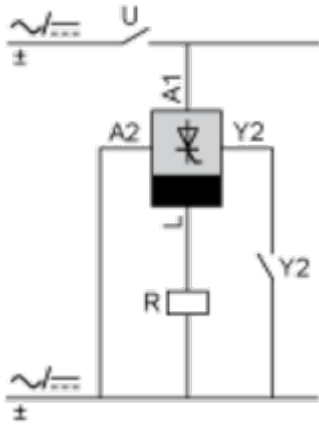
Internal Wiring Diagram

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Wiring Diagram

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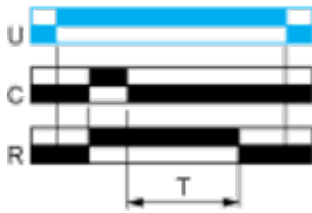
**Function C : Off-Delay Relay with Control Signal**

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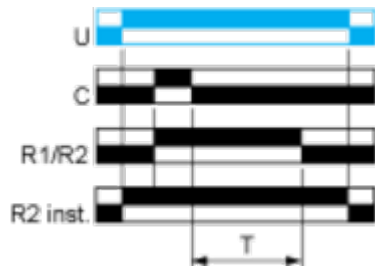
**Description**

After power-up and closing of the control contact C, the output R closes. When control contact C re-opens, timing T starts. At the end of the timing period, 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**

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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
Ta -	Adjustable On-delay
Tr -	Adjustable Off-delay
U	Supply