Product data sheet

Specification





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

Price*: 75.00 USD

Main

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

Complementary

| 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 | 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 | Screw terminals, 1 x 0.51 x 3.3 mm² AWG 20AWG 12) solid without cable end Screw terminals, 2 x 0.52 x 2.5 mm² AWG 20AWG 14) solid without cable end Screw terminals, 1 x 0.21 x 2.5 mm² AWG 24AWG 14) flexible with cable end Screw terminals, 2 x 0.22 x 1.5 mm² 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 |
| Breaking capacity | 0.5 A AC UL 0.7 A AC 68.0000000000 °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 | 100000000 cycles |
| Marking | CE |
| Creepage distance | 4 kV/3 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 |
| Function available | L- Asymmetrical flashing relay (starting pulse-off)-1 solid state output Li- Asymmetrical flashing relay (starting pulse-on)-1 solid state output |
| Control Type | Without test button |
| Net Weight | 0.150 lb(US) (0.068 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 | cULus GL CSA |
| Ambient Air Temperature for Storage | -22.0000000000140.00000000000 °F (-3060 °C) |
| Ambient Air Temperature for Operation | -4.0000000000140.0000000000 °F (-2060 °C) |

| IP degree of protection | IP20 IEC 60529 terminal block) IP40 IEC 60529 housing) IP50 IEC 60529 front panel) |
|-------------------------------|--|
| 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 | 3606480552656 |
| Returnability | No |
| Country of origin | ID |

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|-------------------------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.06 in (2.7 cm) |
| Package 1 Width | 3.1 in (8.0 cm) |
| Package 1 Length | 3.7 in (9.5 cm) |
| Package 1 Weight | 2.6 oz (73.0 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 40 |
| Package 2 Height | 5.9 in (15.0 cm) |
| Package 2 Width | 11.8 in (30.0 cm) |
| Package 2 Length | 15.7 in (40.0 cm) |
| Package 2 Weight | 7.379 lb(US) (3.347 kg) |

Sustainability Green 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.

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

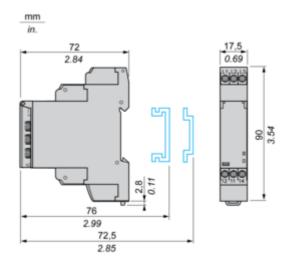
| Reach Regulation | REACh Declaration |
|---------------------------|---|
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| China Rohs Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of 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 |

Jul 18, 2024

RE17LLBM

Dimensions Drawings

Width 17.5 mm

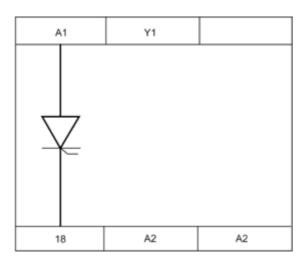


Product data sheet

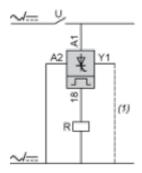
RE17LLBM

Connections and Schema

Internal Wiring Diagram



Wiring Diagram



1 Link A2-Y1 for function L only.

Product data sheet

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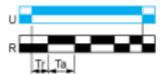
Technical Description

Function L: Asymmetrical Flasher Relay (Starting Pulse Off)

Description

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

Function: 1 Output



RE17LLBM

Function Li: Asymmetrical Flasher Relay (Starting Pulse On)

Description

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

Function: 1 Output



RE17LLBM

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 |
| Та - | Adjustable On-delay |
| Tr - | Adjustable Off-delay |
| U | Supply |