Product data sheet
Characteristics

RE17LMBM
single function relay, Harmony Timer Relays, 0.7A, 1s..100h, multifunction, solid state output, 24 to 240V AC



Main

Range of product	Harmony Timer Relays
Discrete output type	Solid state
Width	17.5 Mm
Product or component type	Modular timing relay
Component name	RE17L
Time delay range	1...10 s 6...60 s 6...60 min 1...10 h 10...100 h 1...10 min 0.1...1 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 %
Input voltage	8 V
Impulse duration	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
Maximum delay response	100 Ms
Connections - terminals	Screw terminals, 1 x 0.5...1 x 3.3 mm² (20 AWG...12 AWG) solid without cable end Screw terminals, 2 x 0.5...2 x 2.5 mm² (20 AWG...14 AWG) solid without cable end Screw terminals, 1 x 0.2...1 x 2.5 mm² (24 AWG...14 AWG) flexible with cable end Screw terminals, 2 x 0.2...2 x 1.5 mm² (24 AWG...16 AWG) flexible with cable end
Tightening torque	0.6…1 N.M conforming to IEC 60947-1
Dielectric strength	2.5 KV 1 mA/1 minute 50 Hz conforming to IEC 61812-1
Housing material	Polycarbonate
Repeat accuracy	+/- 0.5 % conforming to IEC 61812-1
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

Time delay type	Power on-delay - A- Power on-delay relay On-delay and off-delay - Ac- On-delay and off-delay relay w/ control signal Power on-delay - At- Power on-delay relay w/ pause/summation (Y1) Interval - B- Single interval relay w/ control signal Interval - Bw- Double interval relay w/ control signal Off-delay - C- Off-delay relay w/ control signal Symmetrical flashing - D- Symmetrical flashing relay (starting pulse-off) Symmetrical flashing - Di- Symmetrical flashing relay (starting pulse-on) Interval - H- Interval relay Interval - Ht- Interval relay w/ pause/summation (Y1)
Reset time	350 Ms on de-energisation typical
On-load factor	100 %
Power consumption in VA	0…3 VA at 240 V AC
Maximum power consumption in W	1.5 W at 240 V DC
Breaking capacity	0.5 A AC conforming to UL 0.7 A AC at 20 °C
Operating rate in Hz	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	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	A- Power on-delay relay-1 solid state output Ac- On-delay and off-delay relay w/ control signal-1 solid state output At- Power on-delay relay w/ pause/summation (Y1)-1 solid state output B- Single interval relay w/ control signal-1 solid state output Bw- Double interval relay w/ control signal-1 solid state output C- Off-delay relay w/ control signal-1 solid state output D- Symmetrical flashing relay (starting pulse-off)-1 solid state output Di- Symmetrical flashing relay (starting pulse-on)-1 solid state output H- Interval relay-1 solid state output Ht- Interval relay w/ pause/summation (Y1)-1 solid state output
Control type	Without test button
Net weight	0.068 Kg
Time delay type	A, Ac, At, B, Bw, C, D, Di, H, Ht
Functionality	Multifunction
Number of functions	10
Compatibility code	RE17

Environment

Immunity to microbreaks	20 Ms
Derating factor	5 mA/°C
Standards	2004/108/EC IEC 61000-6-2 IEC 61812-1 IEC 61000-6-4 IEC 61000-6-1 2006/95/EC IEC 61000-6-3
Product certifications	GL[RETURN]cULus[RETURN]CSA
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 Electrical fast transient/burst immunity test: (capacitive connecting clip), level 3, 1 kV, conformi 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 6100 1.2/50 µs shock waves immunity test: (common mode), level 3, 2 kV, conforming to IEC 61000 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- 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	2.8 Cm
Package 1 Width	7.8 Cm
Package 1 Length	9.4 Cm
Package 1 Weight	72.0 G
Unit Type of Package 2	S02
Number of Units in Package 2	40
Package 2 Height	15.0 Cm
Package 2 Width	30.0 Cm
Package 2 Length	40.0 Cm
Package 2 Weight	3.222 Kg

Offer Sustainability

Recyclability potential, in %	13
Total lifecycle Carbon footprint	43 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.519944854210636
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.05861637562945304
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0005583301512003458
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	40.75904111642341
Carbon footprint of the use phase [B2, B3, B4, B6]	41 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.1751479806231869
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	43
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	7bdc2711-0ad2-427c-8ece-532c5e9f09d7
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised