

Product data sheet

Specifications



on-delay timing relay - 1 s..100 h - 24..240 V AC/DC - solid state output

RE11LHBM

 **Discontinued on:** Jan 29, 2021

 **Discontinued**

Main

Range of Product	Zelio Time
Product or Component Type	Modular timing relay
Discrete output type	Solid state
Width pitch dimension	0.7 in (17.5 mm)
Component name	RE11L
Time delay type	H
Time delay range	0.1...1 s 1...10 s 10...100 h 6...60 min 1...10 min 1...10 h 6...60 s

[Us] rated supply voltage	24...240 V AC 50/60 Hz
---------------------------	------------------------

Complementary

Control type	Selector switch front panel
Voltage range	0.85...1.1 Us
nominal output current	0.7 A
Connections - terminals	Screw terminals, 1 x 4 mm² without cable end Screw terminals, 2 x 1.5 mm² with cable end Screw terminals, 2 x 2.5 mm² without cable end
Housing material	Polycarbonate
Repeat accuracy	+/- 0.5 % IEC 61812-1
Temperature Drift	+/- 0.05 %/°C
Voltage drift	+/- 0.2 %/V
Setting accuracy of time delay	+/- 10 % of full scale 25 °C IEC 61812-1
Minimum pulse duration	0.05 s
Reset time	350 ms on de-energisation
On-load factor	100 %
Power consumption in VA	32 VA 240 V
Breaking capacity	0.5 A AC/DC UL 0.7 A AC/DC 68 °F (20 °C)
Maximum output current	20 A
minimum switching current	10 mA

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Maximum leakage current	5 mA
maximum switching voltage	250 V
Maximum voltage drop	<4 V 3-wire <8 V 2-wire
Electrical durability	100000000 cycles
Mechanical durability	100000000 cycles
Marking	CE
Creepage distance	4 kV/3 IEC 60664-1
Surge withstand	1 kV differential mode IEC 61000-4-5 level 3 2 kV common mode IEC 61000-4-5 level 3
Mounting support	35 mm symmetrical mounting rail conforming to EN 50022
Product Weight	0.13 lb(US) (0.06 kg)

Environment

Immunity to microbreaks	10 ms
Derating factor	5 mA/°C
Dielectric strength	2.5 V 1 mA/1 minute IEC 60255-5 2.5 V 1 mA/1 minute IEC 60664
Standards	EN 50081-1/2 73/23/EEC 89/336/EEC 93/68/EEC EN 50082-1/2 IEC 61812-1 IEC 60669-2-3
Product Certifications	CSA cULus
Ambient Air Temperature for Storage	-22...140 °F (-30...60 °C)
Ambient Air Temperature for Operation	-4...140 °F (-20...60 °C)
IP degree of protection	IP20 IEC 60529 terminal block) IP40 IEC 60529 housing) IP50 IEC 60529 front panel)
Vibration resistance	0.35 mm (f= 10...55 Hz) conforming to IEC 60068-2-6
Relative Humidity	93 % without condensation IEC 60068-2-3
Resistance to electrostatic discharge	6 kV in air IEC 61000-4-2 level 3 8 kV in contact IEC 61000-4-2 level 3
Resistance to electromagnetic fields	9.1 V/m (10 V/m) 80 MHz to 1 GHz ENV 50140/204 level 3 9.1 V/m (10 V/m) 80 MHz to 1 GHz IEC 61000-4-3 level 3
Resistance to fast transients	1 kV IEC 61000-4-4 level 3 capacitive connecting clip) 2 kV IEC 61000-4-4 level 3 direct)
Immunity to radioelectric fields	10 V 0.15...80 MHz)ENV 50141 (IEC 61000-4-6 level 3)
Immunity to voltage dips	30 % / 10 ms IEC 61000-4-11 60 % / 100 ms IEC 61000-4-11 95 % / 5 s IEC 61000-4-11
Disturbance radiated/conducted	Class B EN 55022 (EN 55011 group 1)

Ordering and shipping details

Category	22370-RE, RM MISC TIMERS & COUNTERS
Discount Schedule	CP2

GTIN	3389110704532
Returnability	No
Country of origin	FR

Contractual warranty

Warranty (in months)	18
----------------------	----

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](#) >

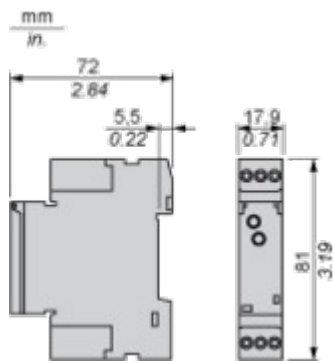
[How we assess product sustainability](#) >

Use Longer

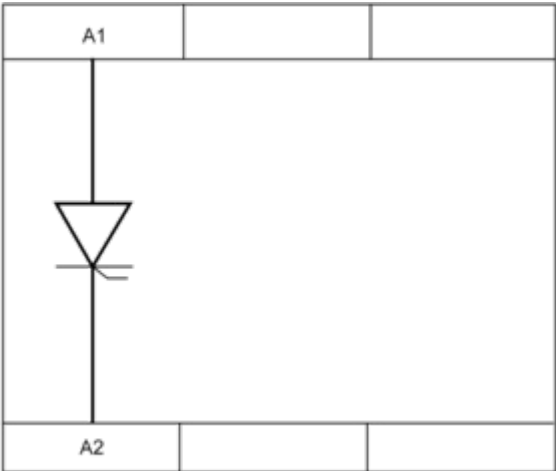
Lifetime extension	
Repair	No

Dimensions Drawings

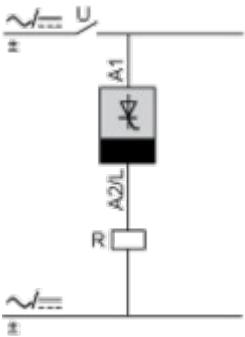
Width 17.5 mm



Internal Wiring Diagram



Wiring Diagram



Technical Description

Function H : Interval Relay

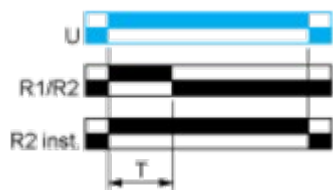
Description

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

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