

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



## Main

Range of product	Zelio Time
Product or component type	Modular timing relay
Discrete output type	Relay
Width	0.69 in (17.5 mm)
Device short name	RE17R
Time delay type	Li L
Time delay range	6...60 min 1...10 s 1...10 h 10...100 h 0.1...1 s 6...60 s 1...10 min
Nominal output current	8 A

## Complementary

Contacts material	Cadmium free
Control type	Selector switch on front panel
[Us] rated supply voltage	12 V AC/DC at 50/60 Hz
Voltage range	0.9...1.2 Us
Supply frequency	50...60 Hz (+/- 5 %)
Release of input voltage	5 V
Connections - terminals	Screw terminals, clamping capacity: 1 x 0.5...1 x 3.3 mm <sup>2</sup> AWG 20...AWG 12 (solid) without cable end Screw terminals, clamping capacity: 2 x 0.5...2 x 2.5 mm <sup>2</sup> AWG 20...AWG 14 (solid) without cable end Screw terminals, clamping capacity: 1 x 0.2...1 x 2.5 mm <sup>2</sup> AWG 24...AWG 14 (flexible) with cable end Screw terminals, clamping capacity: 2 x 0.2...2 x 1.5 mm <sup>2</sup> AWG 24...AWG 16 (flexible) with cable end
Tightening torque	5.31...8.85 lbf.in (0.6...1 N.m) conforming to IEC 60947-1
Housing material	Self-extinguishing
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
Control signal pulse width	100 ms with load in parallel typical 30 ms typical
Insulation resistance	100 MOhm at 500 V DC conforming to IEC 60664-1
Reset time	120 ms on de-energisation typical
On-load factor	100 %
Power consumption in VA	0...0.7 VA at 12 V AC
Power consumption in W	<= 0.5 W at 12 V DC
Minimum switching current	10 mA at 5 V DC
Maximum switching current	8 A AC/DC
Maximum switching voltage	250 V AC
Breaking capacity	<= 2000 VA
Operating frequency	10 Hz

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Electrical durability	100000 cycles resistive load (8 A at 250 V AC maximum)
Mechanical durability	10000000 cycles
Dielectric strength	2.5 kV 1 mA/1 minute 50 Hz conforming to IEC 61812-1
[Uimp] rated impulse withstand voltage	5 kV (1.2/50 µs)
Power on delay	< 100 ms
Marking	CE
Creepage distance	4 kV/3 conforming to IEC 60664-1
Safety reliability data	MTTFd = 296.8 years B10d = 270000
Mounting position	Any position in relation to normal vertical mounting plane
Mounting support	35 mm DIN rail conforming to EN/IEC 60715
Local signalling	LED indicator on steady: relay energised, no timing in progress LED indicator flashing: timing in progress (80 % ON and 20 % OFF)
Product weight	0.15 lb(US) (0.07 kg)


## Environment

Immunity to microbreaks	<= 20 ms
Standards	EN 61000-6-3 EN 61000-6-2 2006/95/EC 2004/108/EC EN 61000-6-1 EN 61000-6-4 IEC 61812-1
Product certifications	GL CULus CSA
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 (terminal block) conforming to IEC 60529 IP40 (housing) conforming to IEC 60529 IP50 (front panel) conforming to IEC 60529
Vibration resistance	20 m/s <sup>2</sup> (f = 10...150 Hz) conforming to IEC 60068-2-6
Shock resistance	15 gn (duration = 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 at 6 kV conforming to IEC 61000-4-2 level 3 Electrostatic discharge immunity test, in air at 8 kV conforming to IEC 61000-4-2 level 3 Susceptibility to electromagnetic fields, 80 MHz to 1 GHz at 10 V/m conforming to IEC 61000-4-3 level 3 Electrical fast transient/burst immunity test, capacitive connecting clip at 1 kV conforming to IEC 61000-4-4 level 3 Electrical fast transient/burst immunity test, direct at 2 kV conforming to IEC 61000-4-4 level 3 1.2/50 µs shock waves immunity test, differential mode at 1 kV conforming to IEC 61000-4-5 level 3 1.2/50 µs shock waves immunity test, common mode at 2 kV conforming to IEC 61000-4-5 level 3 Conducted RF disturbances, 0.15...80 MHz at 10 V conforming to IEC 61000-4-6 level 3 Voltage dips and interruptions immunity test, 1 cycle at 0 % conforming to IEC 61000-4-11 Voltage dips and interruptions immunity test, 25/30 cycles at 70 % conforming to IEC 61000-4-11 Conducted and radiated emissions conforming to EN 55022 class B

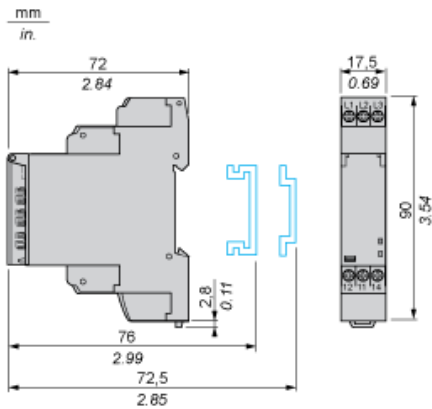
## Ordering and shipping details

Category	22370 - RE, RM MISC TIMERS & COUNTERS
Discount Schedule	CP2
GTIN	00785901987796
Nbr. of units in pkg.	1
Package weight(Lbs)	0.12
Returnability	N
Country of origin	ID

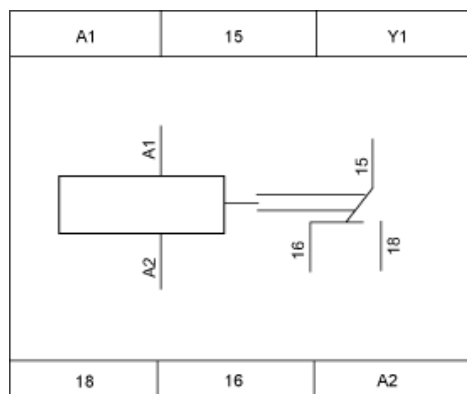
## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1650 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

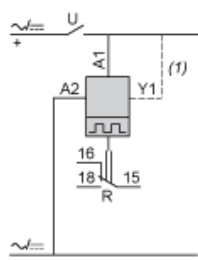
Width 17.5 mm



## Internal Wiring Diagram



## Wiring Diagram



1 Link A1-Y1 for function L only

## Function L : Asymmetrical Flasher Relay (Starting Pulse Off)

### Description

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

### Function: 1 Output



## Function Li : Asymmetrical Flasher Relay (Starting Pulse On)


### Description

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

### Function: 1 Output



## Legend

 Relay de-energised

 Relay energised

 Output open

 Output closed

C Control contact

G Gate

R Relay or solid state output

R1/ 2 timed outputs

R2

R2 inst. The second output is instantaneous if the right position is selected

T Timing period

$T_a$  Adjustable On-delay

-

$T_r$  Adjustable Off-delay

-

U Supply

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