

Product data sheet

Specifications



asymmetrical flashing relay - 1 s.. 100 h - 24..240 V AC - 1 contact

RE88865155

⚠ Discontinued on: Jan 29, 2021

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Main

Range of product	Zelio Time
Product or component type	Industrial timing relay
Contacts type and composition	1 C/O timed contact, AgNi (cadmium free)
Component name	RE88865
Time delay type	L Li
Time delay range	10 min 10 h 1 min 10 s 100 h 1 h 1 s

Complementary

Discrete output type	Relay
Width pitch dimension	0.9 in (22.5 mm)
[Us] rated supply voltage	24 V DC 24...240 V AC 50/60 Hz
Voltage range	0.85...1.1 Us
Connections - terminals	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	100 ms under load 30 ms
maximum reset time	100 ms on de-energisation
On-load factor	100 %
maximum power consumption	32 VA 240 V
maximum power consumption	0.6 W 24 V 1.5 W 240 V
breaking capacity	2000 VA
breaking capacity	80 W

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

minimum switching current	10 mA
Maximum switching current	8 A
maximum switching voltage	250 V
Electrical durability	100000 cycles 8 A, 250 V resistive
Mechanical durability	5000000 cycles
[Uimp] rated impulse withstand voltage	5 kV 1.2...50 µs IEC 60664-1 5 kV 1.2...50 µs IEC 61812-1
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 EN 50022
Local signalling	LED indicator (green) for flashing: timing in progress LED indicator (green) for on steady: relay energised, no timing in progress LED indicator (green)
Net weight	0.20 lb(US) (0.09 kg)

Environment

Immunity to microbreaks	10 ms
Dielectric strength	2.5 kV 1 mA/1 minute 50 Hz IEC 61812-1
Standards	IEC 60669-2-3 93/68/EEC 73/23/EEC IEC 61812-1 89/336/EEC EN 50082-1/2 EN 50081-1/2
Product certifications	cULus CSA GL
Ambient air temperature for operation	-4...140 °F (-20...60 °C)
Ambient air temperature for storage	-22...140 °F (-30...60 °C)
IP degree of protection	IP20 IEC 60529 terminal block) IP40 IEC 60529 housing) IP50 IEC 60529 front face)
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 contact EN/IEC 61000-4-2 level 3 8 kV in air EN/IEC 61000-4-2 level 3
Resistance to electromagnetic fields	9.1 V/yd (10 V/m) 80 MHz to 1 GHz ENV 50140/204 level 3 9.1 V/yd (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)
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)

Contractual warranty



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 >](#)

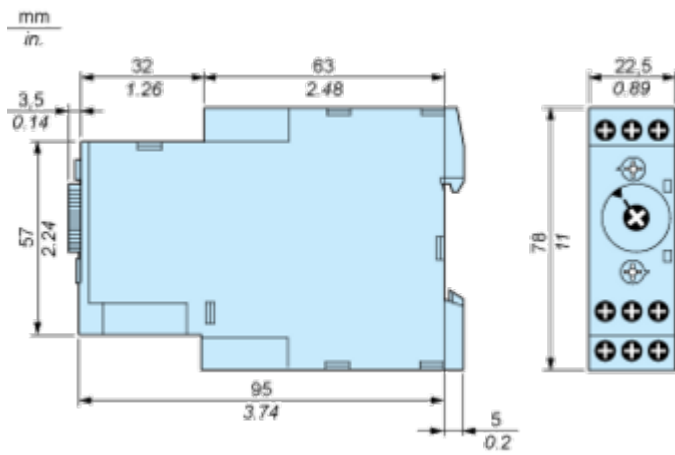
[How we assess product sustainability >](#)

Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Width 22.5 mm



Connections and Schema

Wiring Diagram



1 Link A1-Y1 for function L only.

Technical Description

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/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

Technical Illustration

Dimensions

