

# Product data sheet

## Characteristics

# RE88865115

on-delay timing relay - 1 s..100 h - 24..240 V AC -  
1 contact

Price\*: 42.90 USD



## Commercial status

This Product is Obsolete : JAN 29, 2021

 This Product is Obsolete

## 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	At A
Time delay range	10 h 10 s 1 min 1 h 100 h 10 min 1 s

## Complementary

Discrete output type	Relay
Width pitch dimension	0.89 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 mm <sup>2</sup> with cable end Screw terminals, 2 x 2.5 mm <sup>2</sup> without cable end
Housing material	Self-extinguishing
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
Reset time	100 Ms on de-energisation
On-load factor	100 %
Power consumption in VA	32 VA 240 V
Maximum power consumption in W	0.6 W 24 V 1.5 W 240 V

Breaking capacity	2000 VA
Breaking capacity	80 W
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 conforming to EN 50022
Local signalling	For flashing: timing in progress LED indicator (green) For on steady: relay energised, no timing in progress LED indicator (green) for pulsing: 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	EN 50082-1/2 73/23/EEC 89/336/EEC IEC 60669-2-3 93/68/EEC IEC 61812-1 EN 50081-1/2
Product certifications	GL CULus CSA
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 10...55 Hz)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	9.14 V/M (10 V/m) 80 MHz to 1 GHz ENV 50140/204 level 3 9.14 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)
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	00785901499817
Package weight(Lbs)	0.23 Lb(US) (0.103 kg)
Returnability	No
Country of origin	FR

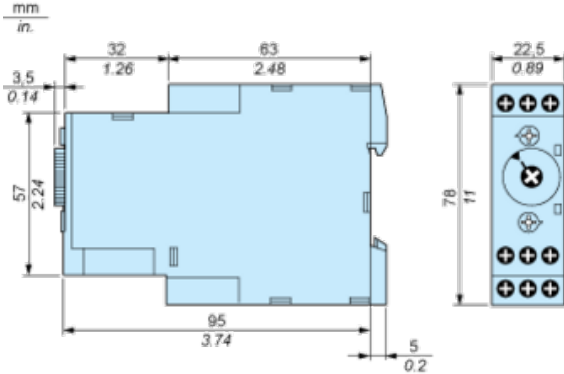
### Packing Units

Package 1 Height	0.280 Dm
Package 1 width	0.880 Dm
Package 1 Length	1.100 Dm

### Contractual warranty

Warranty	18 months
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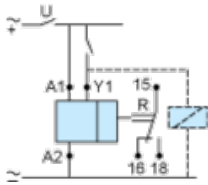
Width 22.5 mm



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Wiring Diagram

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Function A : Power on Delay Relay

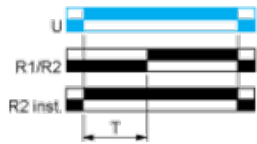
Description

The timing period T begins on energisation. After timing, the output(s) R close(s). The second output can be either timed or instantaneous.

Function: 1 Output



Function: 2 Outputs



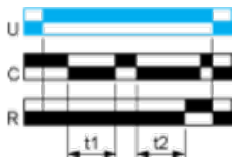
2 timed outputs (R1/R2) or 1 timed output (R1) and 1 instantaneous output (R2 inst.)

Function At : Power on Delay Relay (Summation) with Control Signal

Description

After power-up, the first opening of control contact C starts the timing. Timing can be interrupted each time control contact closes. When the cumulative total of time periods elapsed reaches the pre-set value T, the output relay closes.

Function: 1 Output



$T = t1 + t2 + \dots$

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

Product Life Status : **End of commercialisation**

RE88865115 is replaced by the following product range:



529

Electronic Timing Relays RE17 - RE22 - REXL - RE48 - RE88867

Substitution date: |



RE17RAMU

Harmony, Modular timing relay, 8 A, 1 CO, 1 s..100 h, on delay, 24 V DC / 24...240 V AC/DC

Qty 1

Substitution date: |