



## Main

Range of product	Zelio Time
Product or component type	Electronic timing relay
Electrical connection	Plug-in sub-base 8 pin(s)
Discrete output type	Relay
Contacts type and composition	2 C/O timed contacts, AgNi (cadmium free)
Component name	RE48
Time delay type	A
Time delay range	5...300 h 2...120 min 0.5...30 h 0.2...12 h 0.2...12 min 0.2...12 s 0.5...30 min 2...120 h 2...120 s 0.02...1.2 s 0.5...30 s 5...300 s 0.05...3 s 5...300 min
[Us] rated supply voltage	24...240 V AC/DC 50/60 Hz
Voltage range	0.85...1.1 Us AC 0.9...1.1 Us DC
[In] rated current	5 A

## Complementary

Product front plate size	48 x 48 mm
Control type	Selector switch front panel
Housing material	Self-extinguishing
Repeat accuracy	+/- 0.2 % of the maximum setting value conforming to IEC 61812-1
Temperature drift	+/- 0.02 %/°C of the maximum setting value conforming to IEC 61812-1
Voltage drift	+/- 0.2 %/V of the maximum setting value at 48...240 V +/- 1 %/V of the maximum setting value at 24...48 V
Setting accuracy of time delay	+/- 5 % of full scale at 25 °C conforming to IEC 61812-1
Minimum pulse duration	20 Ms
Reset time	25 Ms on de-energisation
Pick up duration	55 Ms
On-load factor	100 %
Power consumption in VA	1.1 VA at 24 V 4.8 VA at 240 V

Power consumption in W	0.5 W at 24 V 1.7 W at 240 V
Breaking capacity	1250 VA
Minimum switching current	100 mA
Maximum switching current	5 A
Maximum switching voltage	250 V AC/DC
Electrical durability	100000 Cycles
Mechanical durability	30000000 Cycles
Output voltage	240 V at 5 A AC-12 30 V at 2 A DC-13 240 V at 1.5 A AC-15
Marking	CE
Surge withstand	1 KV differential mode conforming to IEC 61000-4-5 level 3 2 KV common mode conforming to IEC 61000-4-5 level 3
Mounting support	Panel mounted: system supplied with the product Base mounted: socket
Local signalling	1 LED (yellow)output relay state: LED indicator (green)flashing: relay energised timing in progress: LED indicator (green)on steady: relay energised, no timing in progress:
Net weight	0.14 Kg

## Environment

Humidity drift	+/- 0.05 %/%RH of the maximum setting value conforming to IEC 61812-1
Immunity to microbreaks	10 Ms
Dielectric strength	1 KV 1 mA/1 minute conforming to IEC 61812-1
Protection against electric shocks	4 KV class III conforming to IEC 60664-1 4 KV class III conforming to IEC 61812-1
Standards	73/23/EEC 93/68/EEC EN 50082-1/2 89/336/EEC EN 50081-1/2 IEC 61812-1 IEC 60669-2-3
Product certifications	GL UL CULus C-Tick CSA
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-20...50 °C
IP degree of protection	IP40 (housing) conforming to IEC 60529 IP50 (front face) conforming to IEC 60529
Vibration resistance	0.35 mm (f= 10...55 Hz) conforming to IEC 60068-2-6
Relative humidity	93 % without condensation conforming to IEC 60068-2-3
Resistance to electrostatic discharge	6 KV in contact conforming to EN/IEC 61000-4-2 level 3 8 KV in air conforming to EN/IEC 61000-4-2 level 3
Resistance to electromagnetic fields	10 V/M 26 MHz to 1 GHz conforming to IEC 61000-4-3 level 3
Resistance to fast transients	2 KV (capacitive connecting clip) conforming to EN/IEC 61000-4-4 level 4 4 KV (direct) conforming to EN/IEC 61000-4-4 level 4
Immunity to radioelectric fields	10 V (0.15...80 MHz) conforming to EN/IEC 61000-4-6 level 3
Immunity to voltage dips	30 % / 10 ms conforming to EN/IEC 61000-4-11 60 % / 100 ms conforming to EN/IEC 61000-4-11 95 % / 5 s conforming to EN/IEC 61000-4-11
Disturbance radiated/conducted	Class B 0.15...30 MHz conforming to EN 55022 (EN 55011 group 1)

## Packing Units

Package 1 Weight	0.127 Kg
Package 1 Height	0.570 Dm
Package 1 width	0.620 Dm
Package 1 Length	1.030 Dm

## Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>

## Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**