



Main

Range of product	Zelio Time
Product or component type	Modular timing relay
Discrete output type	Relay
Device short name	RE22
Nominal output current	8 A

Complementary

Contacts type and composition	1 C/O timed contact 1 C/O timed or instantaneous contact
Time delay type	B C Di Ht Bw Ac H At A D
Time delay range	1...10 min 6...60 min 0.1...1 s 6...60 s 1...10 s 1...10 h 10...100 h
Control type	Rotary knob front panel
[Us] rated supply voltage	12 V AC/DC
Voltage range	0.9...1.2 Us
Supply frequency	50...60 Hz +/- 5 %
Connections - terminals	Screw terminals, 2 x 1.5 mm ² with cable end Screw terminals, 2 x 2.5 mm ² without cable end
Tightening torque	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
Minimum pulse duration	30 Ms 100 Ms under load
Insulation resistance	100 MOhm at 500 V DC conforming to IEC 60664-1
Reset time	120 Ms on de-energisation

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Immunity to microbreaks	10 Ms
Power consumption in VA	1.2 VA at 12 V AC
Power consumption in W	0.5 W at 12 V DC
Breaking capacity	2000 VA
Minimum switching current	10 MA at 5 V
Maximum switching current	8 MA
Maximum switching voltage	250 V
Electrical durability	100000 Cycles for resistive load, 8 A at 250 V, AC
Mechanical durability	10000000 Cycles
[Uimp] rated impulse withstand voltage	5 KV for 1.2...50 μ s conforming to IEC 60664-1 5 KV conforming to IEC 61812-1
Maximum delay response	100 Ms
Safety reliability data	B10d = 190000 MTTFd = 205.4 years
Mounting position	Any position in relation to normal vertical mounting plane
Mounting support	35 mm DIN rail conforming to EN/IEC 60715
Status LED	LED green (flashing) for timing in progress LED green (steady) for power ON LED yellow for relay energised
Width	22.5 Mm
Net weight	0.09 Kg

Environment

Dielectric strength	2.5 KV for 1 mA/1 minute at 50 Hz conforming to IEC 61812-1
Standards	EN 61000-6-1 IEC 61812-1 EN 61000-6-4 EN 61000-6-3 EN 61000-6-2
Directives	2006/95/EC - low voltage directive 2004/108/EC - electromagnetic compatibility
Product certifications	CSA CULus China RoHS CE EAC GL CCC RCM
Ambient air temperature for operation	-20...60 °C
Ambient air temperature for storage	-30...60 °C
IP degree of protection	IP40 housing: conforming to IEC 60529 IP20 terminal block: conforming to IEC 60529 IP40 front face: conforming to IEC 60529
Vibration resistance	20 m/s ² (f= 10...150 Hz) conforming to IEC 60068-2-6
Shock resistance	15 gn for 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 - test level: 6 kV level 3 (contact discharge) conforming to EN/IEC 61000-4-2 Electrostatic discharge immunity test - test level: 8 kV level 3 (air discharge) conforming to EN/IEC 61000-4-2 Fast transients immunity test - test level: 1 kV level 3 (capacitive connecting-clip) conforming to IEC 61000-4-4 Fast transients immunity test - test level: 2 kV level 3 (direct contact) conforming to IEC 61000-4-4 Surge immunity test - test level: 1 kV level 3 (differential mode) conforming to IEC 61000-4-5 Surge immunity test - test level: 2 kV level 3 (common mode) conforming to IEC 61000-4-5 Radiated radio-frequency electromagnetic field immunity test - test level: 10 V level 3 (0.15...80 MHz) conforming to IEC 61000-4-6 Electromagnetic field immunity test - test level: 10 V/m level 3 (80 MHz...1 GHz) conforming to IEC 61000-4-3 Immunity to microbreaks and voltage drops - test level: 30 % (500 ms) conforming to IEC 61000-4-11 Immunity to microbreaks and voltage drops - test level: 100 % (20 ms) conforming to IEC 61000-4-11 Conducted and radiated emissions class B conforming to EN 55022

Packing Units

Package 1 Weight	90.550 G
Package 1 Height	90.000 Mm
Package 1 width	22.500 Mm
Package 1 Length	79.500 Mm

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Product Life Status : **Commercialised**