



Glavno

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|---------------------------|----------------------|
| 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 |

Komplementarno

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|--|---|
| Contacts type and composition | 1 C/O timed contact |
| Time delay type | Q |
| Time delay range | 0.1...1 s 1...10 h 1...10 min 1...10 s 10...100 h 6...60 min 6...60 s |
| Control type | Front panel rotary knob |
| [Us] rated supply voltage | 380...440 V AC 230...240 V AC |
| Voltage range | 0.85...1.1 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) |
| Immunity to microbreaks | > 10 ms |
| Power consumption in VA | 8 VA at 230...240 V 17 VA at 380...440 V |
| Breaking capacity | 2000 VA |
| Minimum switching current | 10 mA 5 V |
| Maximum switching current | 8 mA |
| Maximum switching voltage | 250 V |
| Electrical durability | 100000 cycles for 8 A at 250 V AC for resistive load |
| Mechanical durability | 10000000 cycles |
| [Uimp] rated impulse withstand voltage | 5 kV for 1.2...50 µs conforming to IEC 60664-1 5 kV conforming to IEC 61812-1 |

Informacije dane u ovoj dokumentaciji sadrže opće opise i/ili tehničke karakteristike o performansama ovdje sadržanih proizvoda. Ova dokumentacija nije namijenjena kao zamjena za niti bi se trebala koristiti za određivanje prikladnosti ili pouzdanosti predmetnih proizvoda za konkretne korisničke primjene. Svaki takav korisnik ili integrator dužan je provesti odgovarajuću i potpunu analizu rizika, procjenu i ispitivanje proizvoda u odnosu na odgovarajuću specifičnu primjenu ili uporabu istog. Niti društvo Schneider Electric, Industries SAS niti bilo koje od njegovih povezanih poduzeća ili podružnica neće preuzeti obvezu ili snositi odgovornost za pogrešnu upotrebu ovdje sadržanih informacija.

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| Delay response | < 100 ms |
| Safety reliability data | MTTFd = 273.9 years B10d = 260000 |
| Mounting position | Any position in relation to normal vertical mounting plane |
| Mounting support | 35 mm DIN rail conforming to EN/IEC 60715 |
| Status LED | Green LED (flashing)for timing in progress Green LED (steady)for power ON Yellow LEDfor relay energised |
| Width | 22.5 mm |
| Product weight | 0.093 kg |

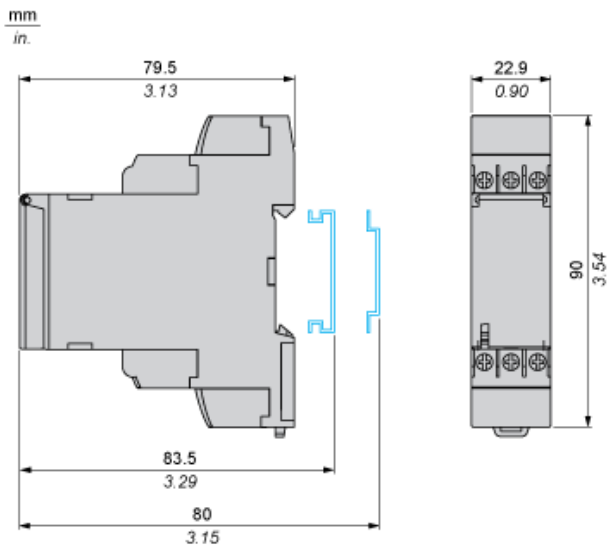
Okolina

| | |
|---------------------------------------|--|
| dielectric strength | 2.5 kVfor 1 mA/1 minute at 50 Hz conforming to IEC 61812-1 |
| standards | EN 61000-6-1 EN 61000-6-2 EN 61000-6-3 EN 61000-6-4 IEC 61812-1 |
| directives | 2004/108/EC - electromagnetic compatibility 2006/95/EC - low voltage directive |
| product certifications | CCC CE CSA CULus GL RCM EAC China RoHS |
| ambient air temperature for operation | -20...60 °C |
| ambient air temperature for storage | -30...60 °C |
| IP degree of protection | IP20 (terminal block) conforming to IEC 60529 IP40 (housing) 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 (duration = 11 ms) conforming to IEC 60068-2-27 |
| relative humidity | 93 %, without condensation conforming to IEC 60068-2-30 |
| electromagnetic compatibility | Conducted and radiated emissions, class B conforming to EN 55022 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 |

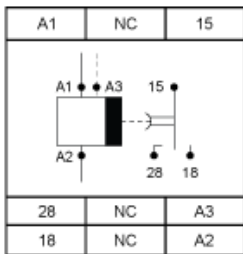
Offer Sustainability

| | |
|---|---|
| Green Premium product | Green Premium product |
| Compliant - since 1650 - Schneider Electric declaration of conformity | Compliant - since 1650 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| Available | Available |
| Available | Available |

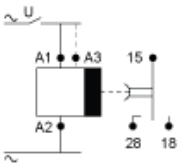
Dimensions



Internal Wiring Diagram



Wiring Diagram



Star-delta Timing Relay

Description

After power-up, the star contact closes instantly and timing T starts. At the end of timing period, the star contact opens. After a t ms pause, the delta contact closes and remains in this position.



t : 20, 40, 60, 80, 100, 120, 140 ms

Legend

- Relay de-energised
- Relay energised
- Output open
- Output closed

R1 : Star contact output

R2 : Delta contact output

T : Timing period

t : Delay to switch ON Delta contact output

U : Supply