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| Range of product | Zelio Control |
| Product or component type | Modular measurement and control relays |
| Relay type | Level control relay |
| Relay name | RM22L |
| Relay monitored parameters | Detection by resistive probes |
| Time delay type | Adjustable 0.1...30 s, +/- 10 % of the full scale value on crossing the threshold Tt |
| Switching capacity in VA | 2000 VA |
| Measurement range | 250 Ohm...1 MOhm |

Complementary

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| Reset time | <= 1750 ms |
| Maximum switching voltage | 250 V AC |
| Minimum switching current | 10 mA at 5 V DC |
| Maximum switching current | 8 A AC |
| [Us] rated supply voltage | 380...415 V AC, 50/60 Hz |
| Supply voltage limits | 323...456.5 V AC |
| Operating limits | - 15 % + 10 % Un |
| Power consumption in VA | 8 VA AC |
| Output contacts | 2 C/O |
| Nominal output current | 8 A |
| Run-up delay at power-up | < 0.6 s < 2.5 s |
| Maximum electrode voltage | 12 V AC |
| Maximum electrode current | 1 mA |
| Repeat accuracy | +/- 2 % time delay |
| Measurement error | < 1 % over the whole range with voltage variation 0.05 %/°C with temperature variation |
| Sensitivity scale | 0.25...5 kOhm at LS (Low Sensitivity) |

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| | 5...100 kOhm at St (Standard Sensitivity) 50...1000 kOhm at HS (High Sensitivity) |
| Sensitivity adjustment | 5...100 % |
| Supply current for sensors | <= 1 mA |
| Cable distance between devices | 1000 m between probe and delay |
| Cable capacitance | 1 nF at HS (High Sensitivity) for probe cable 2.2 nF at St (Standard Sensitivity) for probe cable 4.7 nF at LS (Low Sensitivity) for probe cable |
| Overvoltage category | III conforming to IEC 60664-1 |
| Insulation resistance | > 100 MOhm at 500 V DC conforming to IEC 60255-27 |
| Insulation | Between supply and measurement |
| Mounting position | Any position |
| Connections - terminals | Screw terminals 2 x 0.5...2 x 2.5 mm ² - AWG 20...AWG 14, solid cable without cable end Screw terminals 2 x 0.2...2 x 1.5 mm ² - AWG 24...AWG 16, flexible cable with cable end Screw terminals 1 x 0.5...1 x 3.3 mm ² - AWG 20...AWG 12, solid cable without cable end Screw terminals 1 x 0.2...1 x 2.5 mm ² - AWG 24...AWG 14, flexible cable with cable end |
| Tightening torque | 0.6...1 N.m conforming to IEC 60947-1 |
| Housing material | Self-extinguishing plastic |
| Status LED | LED yellow for relay ON LED green for power ON |
| Mounting support | 35 mm DIN rail conforming to EN/IEC 60715 |
| Electrical durability | 100000 cycles |
| Mechanical durability | 10000000 cycles |
| Utilisation category | AC-1 conforming to IEC 60947-4-1 DC-1 conforming to IEC 60947-4-1 AC-15 conforming to IEC 60947-5-1 DC-13 conforming to IEC 60947-5-1 |
| Safety reliability data | B10d = 170000 MTTFd = 182.6 years |
| Contacts material | Cadmium free |
| Width | 22.5 mm |
| Product weight | 0.11 kg |

Environment

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| Immunity to microbreaks | 100 ms DC 90 ms AC |
| Electromagnetic compatibility | Conducted and radiated emissions class B conforming to CISPR 22 Immunity for residential, commercial and light-industrial environments conforming to EN/IEC 61000-6-1 Electrostatic discharge 6 kV level 3 contact discharge conforming to IEC 61000-4-2 Electrostatic discharge 8 kV level 3 air discharge conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test 10 V/m level 3 conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test 4 kV level 4 direct conforming to IEC 61000-4-4 Electrical fast transient/burst immunity test 2 kV level 4 capacitive coupling conforming to IEC 61000-4-4 Surge immunity test 4 kV level 4 common mode conforming to IEC 61000-4-5 Surge immunity test 2 kV level 4 differential mode conforming to IEC 61000-4-5 Conducted and radiated emissions class B group 1 conforming to CISPR 11 Emission standard for industrial environments conforming to EN/IEC 61000-6-4 Emission standard for residential, commercial and light-industrial environments conforming to EN/IEC 61000-6-3 Immunity for industrial environments conforming to EN/IEC 61000-6-2 |
| Standards | EN/IEC 60255-1 |
| Product certifications | EAC CSA RCM UL China RoHS CCC GL CE |
| Ambient air temperature for storage | -40...70 °C |

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| Ambient air temperature for operation | -20...50 °C at 60 Hz -20...60 °C at 50 Hz AC/DC |
| Relative humidity | 93...97 % at 25...55 °C conforming to IEC 60068-2-30 |
| Vibration resistance | 0.075 mm (f = 10...58.1 Hz) (not in operation) conforming to IEC 60068-2-6 1 gn (f = 10...58.1 Hz) (not in operation) conforming to IEC 60068-2-6 0.035 mm (f = 58.1...150 Hz) (in operation) conforming to IEC 60068-2-6 0.5 gn (f = 58.1...150 Hz) (in operation) conforming to IEC 60068-2-6 |
| Shock resistance | 15 gn for 11 ms (not in operation) conforming to IEC 60068-2-27 5 gn for 11 ms (in operation) conforming to IEC 60068-2-27 |
| IP degree of protection | IP20 on terminals conforming to IEC 60529 IP40 on housing conforming to IEC 60529 IP50 on front panel conforming to IEC 60529 |
| Pollution degree | 3 conforming to IEC 60664-1 |
| Dielectric test voltage | 2.5 kV for 1 min AC 50 Hz conforming to IEC 60255-27 |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0701 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available Product Environmental Profile |
| Product end of life instructions | Available End of Life Information |