

Product availability: Non-Stock - Not normally stocked in distribution facility



### Main

|                           |                               |
|---------------------------|-------------------------------|
| Range of product          | Zelio Logic                   |
| Product or component type | Discrete I/O extension module |

### Complementary

|                                |  |
|--------------------------------|--|
| Number or control scheme lines | 120 with ladder programming  |
| Cycle time                     | 6...90 ms  |
| Backup time                    | 10 years at 77 °F (25 °C)  |
| Clock drift                    | 12 min/year at 32...131 °F (0...55 °C)   |
| Checks                         | Program memory on each power up  |
| [Us] rated supply voltage      | 12 V DC  |
| Supply voltage limits          | 10.4...14.4 V  |
| Reverse polarity protection    | With   |
| Discrete input number          | 6 conforming to EN/IEC 61131-2 type 1  |
| Discrete input type            | Resistive  |
| Discrete input voltage         | 12 V DC  |
| Discrete input current         | 4 mA   |
| Counting frequency             | 1 kHz for discrete input   |
| Voltage state 1 guaranteed     | >= 7 V for IB...IG used as discrete input circuit<br>>= 5.6 V for I1...IA and IH...IR discrete input circuit   |
| Voltage state 0 guaranteed     | <= 3 V for IB...IG used as discrete input circuit<br><= 2.4 V for I1...IA and IH...IR discrete input circuit   |
| Current state 1 guaranteed     | >= 2 mA for I1...IA and IH...IR discrete input circuit<br>>= 0.5 mA for IB...IG used as discrete input circuit   |
| Current state 0 guaranteed     | <= 0.2 mA for IB...IG used as discrete input circuit<br><= 0.9 mA for I1...IA and IH...IR discrete input circuit   |
| Input compatibility            | 3-wire proximity sensors PNP (discrete input)  |
| Input impedance                | 14 kOhm (IB...IG used as discrete input circuit)<br>2.7 kOhm (I1...IA and IH...IR discrete input circuit)  |
| Number of outputs              | 4 relay output(s)  |
| Output voltage limits          | 24...250 V AC (relay output)<br>5...30 V DC (relay output)   |
| Contacts type and composition  | NO relay output  |
| Output thermal current         | 8 A for all 4 outputs (relay output)   |
| Electrical durability          | 500000 cycles at 230 V, 0.9 A (AC-15) for relay output conforming to EN/IEC 60947-5-1<br>500000 cycles at 230 V, 1.5 A (AC-12) for relay output conforming to EN/IEC 60947-5-1<br>500000 cycles at 24 V, 0.6 A (DC-13) for relay output conforming to EN/IEC 60947-5-1<br>500000 cycles at 24 V, 1.5 A (DC-12) for relay output conforming to EN/IEC 60947-5-1 |
| Switching capacity in mA       | >= 10 mA at 12 V (relay output)  |

|  |  |
|--|--|
| Operating rate in Hz                   | 0.1 Hz (at le)for relay output<br>10 Hz (no load)for relay output  |
| Mechanical durability                  | 10000000 cycles (relay output)   |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN/IEC 60947-1 and EN/IEC 60664-1   |
| Response time                          | 10 ms (from state 0 to state 1) relay output<br>5 ms (from state 1 to state 0) relay output  |
| Connections - terminals                | Screw terminals, flexible cable with cable end 1 x 0.25...1 x 2.5 mm <sup>2</sup> / AWG 24...AWG 14 AWG<br>Screw terminals, flexible cable with cable end 2 x 0.25...2 x 0.75 mm <sup>2</sup> / AWG 24...AWG 18 AWG<br>Screw terminals, semi-solid cable 1 x 0.2...1 x 2.5 mm <sup>2</sup> / AWG 25...AWG 14 AWG<br>Screw terminals, solid cable 1 x 0.2...1 x 2.5 mm <sup>2</sup> / AWG 25...AWG 14 AWG<br>Screw terminals, solid cable 2 x 0.2...2 x 1.5 mm <sup>2</sup> / AWG 24...AWG 16 AWG |
| Tightening torque                      | 4.42 lbf.in (0.5 N.m)  |
| Overvoltage category                   | III conforming to EN/IEC 60664-1   |
| Product weight                         | 0.44 lb(US) (0.2 kg)   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Product certifications                | CSA<br>C-Tick<br>GL<br>GOST<br>UL   |
| Standards                             | EN/IEC 60068-2-27 Ea<br>EN/IEC 60068-2-6 Fc<br>EN/IEC 61000-4-11<br>EN/IEC 61000-4-12<br>EN/IEC 61000-4-2 level 3<br>EN/IEC 61000-4-3<br>EN/IEC 61000-4-4 level 3<br>EN/IEC 61000-4-5<br>EN/IEC 61000-4-6 level 3                                       |
| IP degree of protection               | IP20 (terminal block) conforming to IEC 60529<br>IP40 (front panel) conforming to IEC 60529   |
| Environmental characteristic          | EMC directive conforming to EN/IEC 61000-6-2<br>EMC directive conforming to EN/IEC 61000-6-3<br>EMC directive conforming to EN/IEC 61000-6-4<br>EMC directive conforming to EN/IEC 61131-2 zone B<br>Low voltage directive conforming to EN/IEC 61131-2 |
| Disturbance radiated/conducted        | Class B conforming to EN 55022-11 group 1   |
| Pollution degree                      | 2 conforming to EN/IEC 61131-2  |
| Ambient air temperature for operation | -4...104 °F (-20...40 °C) in non-ventilated enclosure conforming to IEC 60068-2-1 and IEC 60068-2-2<br>-4...131 °F (-20...55 °C) conforming to IEC 60068-2-1 and IEC 60068-2-2  |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)  |
| Operating altitude                    | 6561.68 ft (2000 m)   |
| Altitude transport                    | <= 10000 ft (3048 m)  |
| Relative humidity                     | 95 % without condensation or dripping water   |

## Ordering and shipping details

|                       |                              |
|-----------------------|------------------------------|
| Category              | 22378 - SR2,3 ZELIO 2 RELAYS |
| Discount Schedule     | I                            |
| GTIN                  | 00785901626602               |
| Nbr. of units in pkg. | 1                            |
| Package weight(Lbs)   | 0.40000000000000002          |
| Returnability         | N                            |
| Country of origin     | FR                           |

## Offer Sustainability

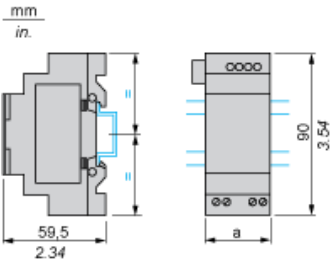
|                            |  |
|----------------------------|--|
| California proposition 65  | WARNING: This product can expose you to chemicals including:   |
| - - - - - Substance 1      | Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. |
| - - - - - More information | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                    |

Contractual warranty

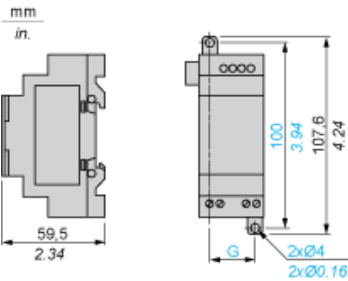
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

I/O Extension Modules

Mounting on 35 mm/1.38 in. DIN Rail

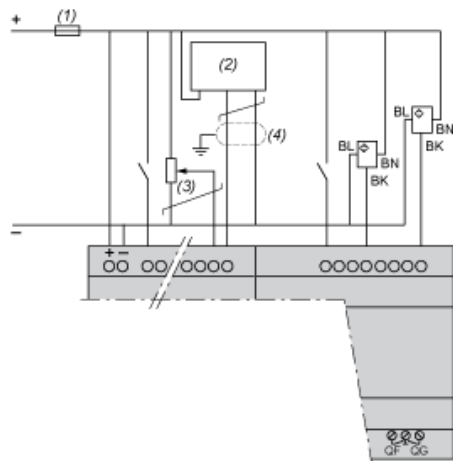


Screw Fixing (Retractable Lugs)



| SR3     | a (mm/in.) | G (mm/in.) |
|---------|------------|------------|
| XT61••  | 35 / 1.38  | 25 / 0.98  |
| XT101•• | 72 / 2.83  | 60 / 2.36  |
| XT141•• | 72 / 2.83  | 60 / 2.36  |

SR3B...JD + SR3XT...JD, SR3B...BD + SR3XT...BD



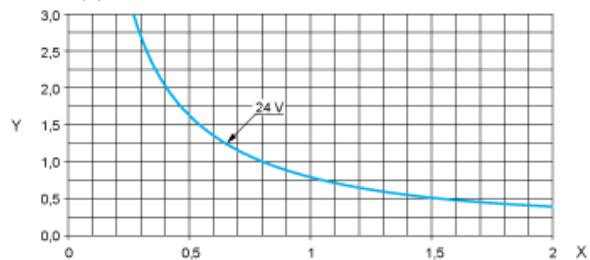
- NOTE: QF and QG : 5 A for SR3XT141••

## Compact and Modular Smart Relays

### Electrical Durability of Relay Outputs

(in millions of operating cycles, conforming to IEC/EN 60947-5-1)

#### DC-12 (1)

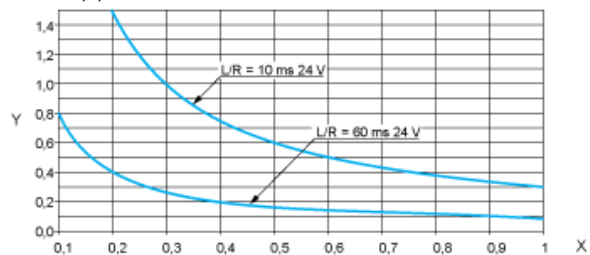


X: Current (A)

Y: Millions of operating cycles

(1) DC-12: control of resistive loads and of solid state loads isolated by opto-coupler,  $L/R \leq 1$  ms.

#### DC-13 (1)



X: Current (A)

Y: Millions of operating cycles

(1) DC-13: switching electromagnets,  $L/R \leq 2 \times (U_e \times I_e)$  in ms,  $U_e$ : rated operational voltage,  $I_e$ : rated operational current (with a protection diode on the load, DC-12 curves must be used with a coefficient of 0.9 applied to the number in millions of operating cycles).

# Mouser Electronics

Authorized Distributor

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