

Product availability : Stock - Normally stocked in distribution facility



### Main

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

### Complementary

Number of 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	24 V DC
Supply voltage limits	19.2...30 V
Reverse polarity protection	With
Discrete input number	8 conforming to EN/IEC 61131-2 type 1
Discrete input type	Resistive
Discrete input voltage	24 V DC
Discrete input current	4 mA
Counting frequency	1 kHz for discrete input
Voltage state 1 guaranteed	>= 15 V for I1...IA and IH...IR discrete input circuit >= 15 V for IB...IG used as discrete input circuit
Voltage state 0 guaranteed	<= 5 V for I1...IA and IH...IR discrete input circuit <= 5 V for IB...IG used as discrete input circuit
Current state 1 guaranteed	>= 1.2 mA for IB...IG used as discrete input circuit >= 2.2 mA for I1...IA and IH...IR discrete input circuit
Current state 0 guaranteed	<= 0.5 mA for IB...IG used as discrete input circuit <= 0.75 mA for I1...IA and IH...IR discrete input circuit
Input compatibility	3-wire proximity sensors PNP (discrete input)
Input impedance	12 kOhm (IB...IG used as discrete input circuit) 7.4 kOhm (I1...IA and IH...IR discrete input circuit)

Number of outputs	6 relay output(s)
Output voltage limits	24...250 V AC (relay output) 5...30 V DC (relay output)
Contacts type and composition	NO relay output
Output thermal current	5 A for 2 outputs (relay output) 8 A for 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 500000 cycles at 230 V, 1.5 A (AC-12) for relay output conforming to EN/IEC 60947-5-1 500000 cycles at 24 V, 0.6 A (DC-13) for relay output conforming to EN/IEC 60947-5-1 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 I <sub>e</sub> ) for relay output 10 Hz (no load) for relay output
Mechanical durability	10000000 cycles (relay output)
[U <sub>imp</sub> ] 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 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 Screw terminals, flexible cable with cable end 2 x 0.25...2 x 0.75 mm <sup>2</sup> / AWG 24...AWG 18 AWG Screw terminals, semi-solid cable 1 x 0.2...1 x 2.5 mm <sup>2</sup> / AWG 25...AWG 14 AWG Screw terminals, solid cable 1 x 0.2...1 x 2.5 mm <sup>2</sup> / AWG 25...AWG 14 AWG 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	0.49 lb(US) (0.22 kg)

## Environment

Product certifications	C-Tick GL UL GOST CSA
Standards	EN/IEC 61000-4-5 EN/IEC 60068-2-27 Ea EN/IEC 61000-4-12 EN/IEC 61000-4-6 level 3 EN/IEC 61000-4-2 level 3 EN/IEC 61000-4-11 EN/IEC 61000-4-3 EN/IEC 60068-2-6 Fc EN/IEC 61000-4-4 level 3
IP degree of protection	IP20 (terminal block) conforming to IEC 60529 IP40 (front panel) conforming to IEC 60529
Environmental characteristic	EMC directive conforming to EN/IEC 61000-6-2 EMC directive conforming to EN/IEC 61000-6-3 EMC directive conforming to EN/IEC 61000-6-4 EMC directive conforming to EN/IEC 61131-2 zone B 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 -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	00785901422518

Nbr. of units in pkg.	1
Package weight(Lbs)	0.44
Returnability	Y
Country of origin	FR

### Contractual warranty

Warranty period	18 months
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