



Main

Range of Product	Zelio Logic
Product or Component Type	Compact discovery packs
Discrete input number	8 EN/IEC 61131-2 type 1
Number of outputs	4 relay

Complementary

Kit composition	SR2B121BD Cable PC SR2USB01 for connection to PC
Input/output number	12
Local display	With
Number or control scheme lines	120 ladder 0...200 FBD
Cycle time	6...90 ms
Backup time	10 years 77 °F (25 °C)
Clock drift	12 min/year 32...131 °F (0...55 °C) 6 s/month 77 °F (25 °C)
Checks	Program memory on each power up
[Us] rated supply voltage	24 V
Supply voltage limits	19.2...30 V
Maximum supply current	100 mA without extension)
Power dissipation in W	3 W without extension
Reverse polarity protection	With
Discrete input type	Resistive
Discrete input voltage	24 V DC
Discrete input current	4 mA
Counting frequency	1 kHz discrete input
Voltage state 1 guaranteed	≥ 15 V I1...IA and IH...IR discrete input circuit ≥ 15 V IB...IG used as discrete input circuit
Voltage state 0 guaranteed	≤ 5 V I1...IA and IH...IR discrete input circuit ≤ 5 V IB...IG used as discrete input circuit
Current state 1 guaranteed	≥ 1.2 mA IB...IG used as discrete input circuit) ≥ 2.2 mA I1...IA and IH...IR discrete input circuit)
Current state 0 guaranteed	≤ 0.5 mA IB...IG used as discrete input circuit) ≤ 0.75 mA I1...IA and IH...IR discrete input circuit)
Input compatibility	3-wire proximity sensors PNP discrete input
Analogue input number	4
Analogue Input Type	Common mode
Analogue input range	0...10 V 0...24 V
Temperature probe type	NTC 10k 77 °F (25 °C) NTC 1000k 77 °F (25 °C) KTY81 210/220/221/222/250 Pt 500

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Maximum permissible voltage	30 V analogue input circuit
Analogue input resolution	8 bits
LSB value	39 mV analogue input circuit
Conversion time	Smart relay cycle time analogue input circuit
Conversion error	+/- 5 % 77 °F (25 °C) analogue input circuit +/- 6.2 % 131 °F (55 °C) analogue input circuit
Repeat accuracy	+/- 2 % 131 °F (55 °C) analogue input circuit
Operating distance	10 m between stations, with screened cable (sensor not isolated) analogue input circuit
Input impedance	12 kOhm IB...IG used as analogue input circuit 12 kOhm IB...IG used as discrete input circuit 7.4 kOhm I1...IA and IH...IR discrete input circuit
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	8 A for all 4 outputs relay output
Electrical durability	AC-12 500000 cycles 230 V, 1.5 A relay output EN/IEC 60947-5-1 AC-15 500000 cycles 230 V, 0.9 A relay output EN/IEC 60947-5-1 DC-12 500000 cycles 24 V, 1.5 A relay output EN/IEC 60947-5-1 DC-13 500000 cycles 24 V, 0.6 A relay output EN/IEC 60947-5-1
Switching capacity in mA	>= 10 mA 12 V relay output)
Operating rate in Hz	0.1 Hz at Ie)relay output 10 Hz no load)relay output
Mechanical durability	10000000 cycles relay output
[Uimp] rated impulse withstand voltage	4 kVEN/IEC 60947-1 and EN/IEC 60664-1
Clock	With
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, 1 x 0.2...1 x 2.5 mm ² AWG 25...AWG 14) semi-solid Screw terminals, 1 x 0.2...1 x 2.5 mm ² AWG 25...AWG 14) solid Screw terminals, 1 x 0.25...1 x 2.5 mm ² AWG 24...AWG 14) flexible with cable end Screw terminals, 2 x 0.2...2 x 1.5 mm ² AWG 24...AWG 16) solid Screw terminals, 2 x 0.25...2 x 0.75 mm ² AWG 24...AWG 18) flexible with cable end
Tightening torque	4.43 lbf.in (0.5 N.m)
Overvoltage category	III EN/IEC 60664-1
Net Weight	1.54 lb(US) (0.7 kg)

Environment

Immunity to microbreaks	1 ms
Product Certifications	CSA C-tick UL GOST GL
Standards	EN/IEC 61000-4-4 level 3 EN/IEC 61000-4-12 EN/IEC 61000-4-5 EN/IEC 60068-2-6 Fc EN/IEC 61000-4-2 level 3 EN/IEC 61000-4-6 level 3 EN/IEC 61000-4-3 EN/IEC 61000-4-11 EN/IEC 60068-2-27 Ea
IP degree of protection	IP20 IEC 60529 terminal block) IP40 IEC 60529 front panel)
Environmental characteristic	EMC directive EN/IEC 61000-6-2 EMC directive EN/IEC 61000-6-3 EMC directive EN/IEC 61000-6-4 EMC directive EN/IEC 61131-2 zone B Low voltage directive EN/IEC 61131-2
Disturbance radiated/conducted	Class B EN 55022-11 group 1
Pollution degree	2 EN/IEC 61131-2

Ambient air temperature for operation	-4...104 °F (-20...40 °C) in non-ventilated enclosure IEC 60068-2-1 and IEC 60068-2-2 -4...131 °F (-20...55 °C) 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)
Maximum altitude transport	10000.00 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	3389110549386
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.56 in (6.5 cm)
Package 1 Width	6.10 in (15.5 cm)
Package 1 Length	9.25 in (23.5 cm)
Package 1 Weight	13.86 oz (393.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	9.78 lb(US) (4.434 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
PVC free	Yes

Contractual warranty

Warranty	18 months
----------	-----------