

# Product datasheet

Specifications



Modular discovery packs. Zelio Logic. smart relay discovery pack. 26 I/O. 24 V DC

SR3PACK2BD

**Price: 14,153.86 ZAR**

## Main

Range Of Product	Zelio Logic
Product Or Component Type	Modular discovery packs
Discrete Input Number	16 conforming to IEC 61131-2 Type 1
Number Of Outputs	10 relay

## Complementary

Kit Composition	Cable PC SR2USB01 for connection to PC SR3B261BD
Input/Output Number	26
Local Display	With
Number Or Control Scheme Lines	120 with ladder programming 0...200 with FBD programming
Cycle Time	6...90 ms
Backup Time	10 years at 25 °C
Clock Drift	12 min/year at 0...55 °C 6 s/month at 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	190 mA (without extension) 300 mA (with extensions)
Power Dissipation In W	10 W with extensions 6 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 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 (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)

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>Input Compatibility</b>	3-wire proximity sensors PNP for discrete input
<b>Analogue Input Number</b>	6
<b>Analogue Input Type</b>	Common mode
<b>Analogue Input Range</b>	0...10 V 0...24 V
<b>Temperature Probe Type</b>	NTC 10k at 25 °C NTC 1000k at 25 °C KTY81 210/220/221/222/250 Pt 500
<b>Maximum Permissible Voltage</b>	30 V for analogue input circuit
<b>Analogue Input Resolution</b>	8 bits
<b>LSB Value</b>	39 mV for analogue input circuit
<b>Conversion Time</b>	Smart relay cycle time for analogue input circuit
<b>Conversion Error</b>	+/- 5 % at 25 °C for analogue input circuit +/- 6.2 % at 55 °C for analogue input circuit
<b>Repeat Accuracy</b>	+/- 2 % at 55 °C for analogue input circuit
<b>Operating Distance</b>	10 m between stations, with screened cable (sensor not isolated) for analogue input circuit
<b>Input Impedance</b>	12 kOhm for IB...IG used as analogue input circuit 12 kOhm for IB...IG used as discrete input circuit 7.4 kOhm for I1...IA and IH...IR discrete input circuit
<b>Output Voltage Limits</b>	24...250 V AC (relay output) 5...30 V DC (relay output)
<b>Contacts Type And Composition</b>	NO for relay output
<b>Output Thermal Current</b>	5 A for 2 outputs for relay output 8 A for 8 outputs for relay output
<b>Electrical Durability</b>	AC-12: 500000 cycles at 230 V, 1.5 A for relay output conforming to IEC 60947-5-1 AC-15: 500000 cycles at 230 V, 0.9 A for relay output conforming to IEC 60947-5-1 DC-12: 500000 cycles at 24 V, 1.5 A for relay output conforming to IEC 60947-5-1 DC-13: 500000 cycles at 24 V, 0.6 A for relay output conforming to IEC 60947-5-1
<b>Switching Capacity In Ma</b>	>= 10 mA at 12 V (relay output)
<b>Operating Rate In Hz</b>	0.1 Hz (at Ie) for relay output 10 Hz (no load) for relay output
<b>Mechanical Durability</b>	10000000 cycles for relay output
<b>[Uimp] Rated Impulse Withstand Voltage</b>	4 kV conforming to EN/IEC 60947-1 and EN/IEC 60664-1
<b>Clock</b>	With
<b>Response Time</b>	10 ms (from state 0 to state 1) for relay output 5 ms (from state 1 to state 0) for relay output
<b>Connections - Terminals</b>	Screw terminals, 1 x 0.2...1 x 2.5 mm <sup>2</sup> (AWG 25...AWG 14) semi-solid Screw terminals, 1 x 0.2...1 x 2.5 mm <sup>2</sup> (AWG 25...AWG 14) solid Screw terminals, 1 x 0.25...1 x 2.5 mm <sup>2</sup> (AWG 24...AWG 14) flexible with cable end Screw terminals, 2 x 0.2...2 x 1.5 mm <sup>2</sup> (AWG 24...AWG 16) solid Screw terminals, 2 x 0.25...2 x 0.75 mm <sup>2</sup> (AWG 24...AWG 18) flexible with cable end
<b>Tightening Torque</b>	0.5 N.m
<b>Overvoltage Category</b>	III conforming to IEC 60664-1
<b>Net Weight</b>	0.85 kg

## Environment

<b>Immunity To Microbreaks</b>	1 ms
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<b>Product Certifications</b>	GOST GL UL CSA C-Tick
<b>Standards</b>	IEC 61000-4-4 level 3 IEC 61000-4-12 IEC 60068-2-6 Fc IEC 60068-2-27 Ea IEC 61000-4-5 IEC 61000-4-6 level 3 IEC 61000-4-2 level 3 IEC 61000-4-3 IEC 61000-4-11
<b>Ip Degree Of Protection</b>	IP20 (terminal block) conforming to IEC 60529 IP40 (front panel) conforming to IEC 60529
<b>Environmental Characteristic</b>	EMC directive conforming to IEC 61000-6-2 EMC directive conforming to IEC 61000-6-3 EMC directive conforming to IEC 61000-6-4 EMC directive conforming to IEC 61131-2 zone B Low voltage directive conforming to IEC 61131-2
<b>Disturbance Radiated/Conducted</b>	Class B conforming to EN 55022-11 group 1
<b>Pollution Degree</b>	2 conforming to IEC 61131-2
<b>Ambient Air Temperature For Operation</b>	-20...40 °C in non-ventilated enclosure conforming to IEC 60068-2-1 and IEC 60068-2-2 -20...55 °C conforming to IEC 60068-2-1 and IEC 60068-2-2
<b>Ambient Air Temperature For Storage</b>	-40...70 °C
<b>Operating Altitude</b>	2000 m
<b>Maximum Altitude Transport</b>	3048 m
<b>Relative Humidity</b>	95 % without condensation or dripping water

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	6.2 cm
<b>Package 1 Width</b>	15.5 cm
<b>Package 1 Length</b>	23.5 cm
<b>Package 1 Weight</b>	523.0 g
<b>Unit Type Of Package 2</b>	S03
<b>Number Of Units In Package 2</b>	10
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	5.714 kg

## Contractual warranty

<b>Warranty</b>	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information [Yes](#)

Pvc Free

## Certifications & Standards

**Reach Regulation** [REACH Declaration](#)

**Eu Rohs Directive** Pro-active compliance (Product out of EU RoHS legal scope)

**China Rohs Regulation** [China RoHS declaration](#)

**Environmental Disclosure** [Product Environmental Profile](#)

**Weee** The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

**Circularity Profile** [End of Life Information](#)