

# SR2B202BD

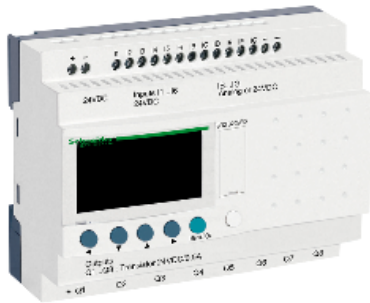
compact smart relay Zelio Logic - 20 I O - 24 V  
DC - clock - display

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



Price\*\* : 392.00 USD

SR2B202BD has not been replaced. Please contact your customer care center for more information.



## Main

Range of product	Zelio Logic
Product or component type	Compact smart relay

## Complementary

Local display	With
Number of control scheme lines	0...240 ladder 0...500 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 DC
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 number	12 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 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	6
Analogue input type	Common mode
Analogue input range	0...10 V 0...24 V
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
Number of outputs	8 transistor
Output voltage	24 V transistor output
Output voltage limits	19.2...30 V DC transistor output)
Load current	0.5...0.625 A transistor output
[Ures] residual voltage	2 V at state 1 transistor output
Overload protection	With transistor output
Short-circuit protection	With transistor output
Overvoltage protection	With transistor output
Clock	With
Response time	<= 1 ms from state 0 to state 1)transistor output <= 1 ms from state 1 to state 0)transistor output
Connections - terminals	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
Tightening torque	4.43 lbf.in (0.5 N.m)
Overvoltage category	III EN/IEC 60664-1
Net weight	0.62 lb(US) (0.28 kg)

## Environment

Immunity to microbreaks	1 ms
Product certifications	CSA UL GOST GL C-Tick
Standards	EN/IEC 61000-4-4 level 3 EN/IEC 60068-2-27 Ea EN/IEC 61000-4-5 EN/IEC 61000-4-6 level 3 EN/IEC 61000-4-11 EN/IEC 61000-4-2 level 3 EN/IEC 61000-4-3 EN/IEC 61000-4-12 EN/IEC 60068-2-6 Fc
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	00785901571773
Package weight(Lbs)	0.30 kg (0.66 lb(US))
Returnability	No
Country of origin	FR

### 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 Carcinogen & Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

### Contractual warranty

Warranty	18 months
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