Product data sheet
Characteristics

SR3XT43BD
analogue IO extension module, Zelio Logic SR2 SR3, 4 IO, 24V DC



Main

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

Complementary

Analogue input number	2
Analogue input type	Common mode
Analogue input range	0...10 V 0...20 mA -25...125 °C
Temperature probe type	Pt 100, 3-wire conforming to IEC 751
Maximum permissible voltage	30 V for analogue input circuit
[Imp] maximum permanent current	30 mA for analogue input circuit
Analogue input resolution	10 bits on the input range
Input impedance	18 kOhm, input range: 0...10 V for analogue input circuit 247 Ohm, input range: 0...20 mA for analogue input circuit
Analogue output number	2
Analogue output range	0...10 V
Analogue output resolution	10 bits on the output range
Load type	Resistive load for analogue output
Maximum load current	10 mA for analogue output
Short-circuit protection	With analogue output
LSB value	0.15 °C, - 25...125 °C for analogue input circuit 20 µA, 0...20 mA for analogue input circuit 9.8 mV, 0...10 V for analogue input circuit 9.8 mV, 0...10 V for analogue output
Conversion time	Smart relay cycle time for analogue input circuit Smart relay cycle time for analogue output
Conversion error	+/- 1 % of the full scale value, input range: 0...10 V (25 °C) for analogue output +/- 1 % of the full scale value, input range: 0...10 V (55 °C) for analogue output +/- 1 %, input range: 0...10 V (25 °C) for analogue input circuit +/- 1 %, input range: 0...10 V (55 °C) for analogue input circuit +/- 1 %, input range: 0...20 mA (25 °C) for analogue input circuit +/- 1 %, input range: 0...20 mA (55 °C) for analogue input circuit +/- 1.5 °C, input range: - 25...125 °C (25 °C) for analogue input circuit +/- 1.5 °C, input range: - 25...125 °C (55 °C) for analogue input circuit
Repeat accuracy	< +/- 0.3 °C, input range: - 25...125 °C at 25 °C for analogue input circuit <= +/- 1 %, input range: 0...10 V at 25 °C for analogue input circuit <= +/- 1 %, input range: 0...10 V at 55 °C for analogue output <= +/- 1 %, input range: 0...20 mA at 25 °C for analogue input circuit
Operating distance	10 m with screened cable for analogue input circuit 10 m with screened cable for analogue output
Reverse polarity protection	Analogue input circuit: with

Connections - terminals	Screw terminals, 1 x 0.25...1 x 2.5 mm² (24 AWG...14 AWG) semi-solid Screw terminals, 1 x 0.25...1 x 2.5 mm² (24 AWG...14 AWG) solid Screw terminals, 2 x 0.25...2 x 1.5 mm² (23 AWG...16 AWG) solid Screw terminals, 1 x 0.25...1 x 2.5 mm² (24 AWG...14 AWG) flexible with cable end Screw terminals, 2 x 0.25...2 x 0.75 mm² (24 AWG...18 AWG) flexible with cable end
Tightening torque	0.5 N.M
Net weight	0.11 Kg

Environment

Product certifications	GOST[RETURN]UL[RETURN]C-Tick[RETURN]CSA
Standards	IEC 61000-4-12 IEC 61000-4-5 IEC 61000-4-3 IEC 61000-4-4 level 3 IEC 61000-4-6 level 3 IEC 61000-4-2 level 3 IEC 60068-2-6 Fc IEC 61000-4-11 IEC 60068-2-27 Ea
IP degree of protection	IP20 (terminal block) conforming to IEC 60529 IP40 (front panel) conforming to IEC 60529
Environmental characteristic	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
Disturbance radiated/conducted	Class B conforming to IEC 55022-11 Group 1
Pollution degree	2 conforming to IEC 61131-2
Ambient air temperature for operation	-20…40 °C 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
Ambient air temperature for storage	-40…70 °C
Operating altitude	2000 m
Maximum altitude transport	3048 M
Relative humidity	95 % without condensation or dripping water

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.000 Cm
Package 1 Width	6.500 Cm
Package 1 Length	11.000 Cm
Package 1 Weight	105.000 G
Unit Type of Package 2	S03
Number of Units in Package 2	48
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	5.516 Kg

Offer Sustainability

Recyclability potential, in %	10
Total lifecycle Carbon footprint	153 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.1314952850574576
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.03707232343277078
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	151.92035887435827
Carbon footprint of the use phase [B2, B3, B4, B6]	152 kg CO2 eq.
Mercury free	Yes

Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.19806587154824248
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	153
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	Ab7a5df6-4d23-4fb1-96de-7c15d64130aa
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised