

Product data sheet

Characteristics

SR3XT141FU

discrete I/O extension module - 14 I/O - 100..240 V AC - for Zelio Logic

Product availability: Stock - Normally stocked in distribution facility



Main

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

Complementary

Number or 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	100...240 V AC
Supply voltage limits	85...264 V
Supply frequency	50/60 Hz
Reverse polarity protection	With
Discrete input number	8
Discrete input voltage	100...240 V AC
Discrete input current	0.6 mA
Discrete input frequency	47...53 Hz 57...63 Hz
Voltage state 1 guaranteed	≥ 79 V for discrete input
Voltage state 0 guaranteed	≤ 40 V for discrete input
Current state 1 guaranteed	> 0.17 mA for discrete input
Current state 0 guaranteed	< 0.5 mA for discrete input
Input impedance	350 kOhm (discrete input)
Number of outputs	6 relay output(s)
Output voltage limits	5...30 V DC (relay output) 24...250 V AC
Contacts type and composition	NO for relay output
Output thermal current	8 A for 4 outputs (relay output) 5 A for 2 outputs (relay output)
Electrical durability	500000 cycles at 24 V, 1.5 A (DC-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 230 V, 1.5 A (AC-12) for relay output conforming to EN/IEC 60947-5-1 500000 cycles at 230 V, 0.9 A (AC-15) 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	10 Hz (no load) for relay output 0.1 Hz (at 1e) for relay output
Mechanical durability	10000000 cycles (relay output)
[Uimp] rated impulse withstand voltage	4 kV conforming to EN/IEC 60947-1 and EN/IEC 60664-1

Response time	50...255 ms with FBD programming (from state 1 to state 0) for discrete input 50...255 ms with FBD programming (from state 0 to state 1) for discrete input 50 ms with ladder programming (from state 1 to state 0) for discrete input 50 ms with ladder programming (from state 0 to state 1) for discrete input 5 ms (from state 1 to state 0) for relay output 10 ms (from state 0 to state 1) for relay output
Connections - terminals	Screw terminals, solid cable 2 x 0.2...2 x 1.5 mm ² /24...16 AWG Screw terminals, solid cable 1 x 0.2...1 x 2.5 mm ² /25...14 AWG Screw terminals, semi-solid cable 1 x 0.2...1 x 2.5 mm ² /25...14 AWG Screw terminals, flexible cable with cable end 2 x 0.25...2 x 0.75 mm ² /24...18 AWG Screw terminals, flexible cable with cable end 1 x 0.25...1 x 2.5 mm ² /24...14 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	CSA C-Tick GL GOST UL
Standards	EN/IEC 60068-2-27 Ea EN/IEC 60068-2-6 Fc EN/IEC 61000-4-11 EN/IEC 61000-4-12 EN/IEC 61000-4-2 level 3 EN/IEC 61000-4-3 EN/IEC 61000-4-4 level 3 EN/IEC 61000-4-5 EN/IEC 61000-4-6 level 3
IP degree of protection	IP40 (front panel) conforming to IEC 60529 IP20 (terminal block) conforming to IEC 60529
Environmental characteristic	Low voltage directive conforming to EN/IEC 61131-2 EMC directive conforming to EN/IEC 61131-2 zone B EMC directive conforming to EN/IEC 61000-6-4 EMC directive conforming to EN/IEC 61000-6-3 EMC directive conforming to EN/IEC 61000-6-2
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...131 °F (-20...55 °C) conforming to IEC 60068-2-1 and IEC 60068-2-2 -4...104 °F (-20...40 °C) in non-ventilated enclosure 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	00785901571780
Nbr. of units in pkg.	1
Package weight(Lbs)	0.45
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	FR

Contractual warranty

Period	18 months
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