

# Product data sheet

## Characteristics

# SR2E121FU

compact smart relay Zelio Logic - 12 I O -  
100..240 V AC - clock - no display

Product availability : Stock - Normally stocked in distribution facility



Price\*\* : 226.00 USD



### Main

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

### Complementary

Local display	Without
Number or 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	100...240 V AC
Supply voltage limits	85...264 V
Supply frequency	50/60 Hz
Maximum supply current	30 mA 240 V without extension) 80 mA 100 V without extension)
Power consumption in VA	7 VA without extension
Isolation voltage	1780 V
Protection type	Against inversion of terminals (control instructions not executed)
Discrete input number	8
Discrete input voltage	100...240 V AC
Discrete input current	0.6 mA
Discrete input frequency	57...63 Hz 47...53 Hz
Voltage state 1 guaranteed	>= 79 V discrete input
Voltage state 0 guaranteed	<= 40 V discrete input

Disclaimer: 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

Current state 1 guaranteed	>= 0.17 mA discrete input)
Current state 0 guaranteed	<= 0.5 mA discrete input)
Input impedance	350 kOhm discrete input
Number of outputs	4 relay
Output voltage limits	5...30 V DC relay output) 24...250 V AC
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 kV EN/IEC 60947-1 and EN/IEC 60664-1
Clock	With
Response time	50 ms ladder from state 0 to state 1)discrete input 50 ms ladder from state 1 to state 0)discrete input 50...255 ms FBD from state 0 to state 1)discrete input 50...255 ms FBD from state 1 to state 0)discrete input 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 <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	0.49 lb(US) (0.22 kg)

## Environment

Immunity to microbreaks	10 ms
Product certifications	GOST C-Tick UL CSA GL
Standards	EN/IEC 60068-2-6 Fc EN/IEC 61000-4-11 EN/IEC 61000-4-4 level 3 EN/IEC 61000-4-2 level 3 EN/IEC 61000-4-12 EN/IEC 61000-4-6 level 3 EN/IEC 61000-4-5 EN/IEC 60068-2-27 Ea EN/IEC 61000-4-3
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	00785901422532
Package weight(Lbs)	0.21 kg (0.47 lb(US))
Returnability	Yes
Country of origin	FR

### Offer Sustainability

Sustainable offer status	Green Premium product
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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