

# Product data sheet

Specifications



## Compact discovery packs, Zelio Logic, smart relay discovery pack, 20 I/O, 100...240 V AC

SR2PACK2FU

### Main

Range Of Product	Zelio Logic
Product Or Component Type	Compact discovery packs
Discrete Input Number	12
Number Of Outputs	8 relay

### Complementary

Kit Composition	SR2B201FU Cable PC SR2USB01 for connection to PC
Input/Output Number	20
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	100...240 V
Supply Voltage Limits	85...264 V
Supply Frequency	50/60 Hz
Maximum Supply Current	100 mA at 100 V (without extension) 50 mA at 240 V (without extension)
Power Consumption In Va	11 VA without extension
Isolation Voltage	1780 V
Protection Type	Against inversion of terminals (control instructions not executed)
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 for discrete input
Voltage State 0 Guaranteed	<= 40 V for discrete input
Current State 1 Guaranteed	>= 0.17 mA (discrete input)
Current State 0 Guaranteed	<= 0.5 mA (discrete input)
Input Impedance	350 kOhm for 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

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 all 8 outputs for relay output
Electrical Durability	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
Switching Capacity In Ma	>= 10 mA at 12 V (relay output)
Operating Rate In Hz	0.1 Hz (at Ie) for relay output 10 Hz (no load) for relay output
Mechanical Durability	10000000 cycles for relay output
[Uimp] Rated Impulse Withstand Voltage	4 kV conforming to EN/IEC 60947-1 and EN/IEC 60664-1
Clock	Without
Response Time	50 ms with ladder 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...255 ms with FBD programming (from state 0 to state 1) for discrete input 50...255 ms with FBD programming (from state 1 to state 0) for discrete input 10 ms (from state 0 to state 1) for relay output 5 ms (from state 1 to state 0) for relay output
Connections - Terminals	Screw terminals, 1 x 0.2...1 x 2.5 mm² (AWG 25...AWG 14) semi-solid Screw terminals, 1 x 0.2...1 x 2.5 mm² (AWG 25...AWG 14) solid Screw terminals, 1 x 0.25...1 x 2.5 mm² (AWG 24...AWG 14) flexible with cable end Screw terminals, 2 x 0.2...2 x 1.5 mm² (AWG 24...AWG 16) solid Screw terminals, 2 x 0.25...2 x 0.75 mm² (AWG 24...AWG 18) flexible with cable end
Tightening Torque	0.5 N.m
Overvoltage Category	III conforming to IEC 60664-1
Net Weight	0.85 kg

## Environment

Immunity To Microbreaks	10 ms
Product Certifications	UL C-Tick GL CSA GOST
Standards	IEC 61000-4-2 level 3 IEC 60068-2-27 Ea IEC 61000-4-5 IEC 61000-4-6 level 3 IEC 61000-4-3 IEC 60068-2-6 Fc IEC 61000-4-4 level 3 IEC 61000-4-12 IEC 61000-4-11
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 EN 55022-11 group 1
Pollution Degree	2 conforming to IEC 61131-2
Ambient Air Temperature For Operation	-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

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	6.2 cm
Package 1 Width	15.3 cm
Package 1 Length	23.2 cm
Package 1 Weight	599 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	10
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	6.613 kg

## Contractual warranty

Warranty	18 months
----------	-----------

## 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	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	<a href="#">End of Life Information</a>
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 cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>