



Main

Commercial Status	Commercialised
Range of product	Zelio Logic
Product or component type	Modular discovery packs
Discrete input number	16
Number of outputs	10 relay output(s)

Complementary

Kit composition	Cable PC SR2USB01 for connection to PC SR3B261FU Zelio Soft 2 programming software CD-ROM
Input/Output number	26
Local display	With
Number of control scheme lines	120 with ladder programming <= 200 with FBD programming
Cycle time	6...90 ms
Backup time	10 years at 25 °C
Clock drift	6 s/month at 25 °C 12 min/year at 0...55 °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
Supply current	80 mA at 100 V (with extensions) 60 mA at 240 V (with extensions) 50 mA at 240 V (without extension) 100 mA at 100 V (without extension)
Power consumption in VA	17 VA with extensions 12 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	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)
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 8 outputs (relay output) 5 A for 2 outputs (relay output)

Electrical durability	500000 cycles DC-13 at 24 V, 0.6 A for relay output conforming to EN/IEC 60947-5-1 500000 cycles DC-12 at 24 V, 1.5 A for relay output conforming to EN/IEC 60947-5-1 500000 cycles AC-15 at 230 V, 0.9 A for relay output conforming to EN/IEC 60947-5-1 500000 cycles AC-12 at 230 V, 1.5 A 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 Ie) 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
Clock	With
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, clamping capacity: 2 x 0.25...2 x 0.75 mm ² AWG 24...18 flexible with cable end Screw terminals, clamping capacity: 2 x 0.2...2 x 1.5 mm ² AWG 24...16 solid Screw terminals, clamping capacity: 1 x 0.25...1 x 2.5 mm ² AWG 24...14 flexible with cable end Screw terminals, clamping capacity: 1 x 0.2...1 x 2.5 mm ² AWG 25...14 solid Screw terminals, clamping capacity: 1 x 0.2...1 x 2.5 mm ² AWG 25...14 semi-solid
Tightening torque	0.5 N.m
Overvoltage category	III conforming to EN/IEC 60664-1
Product weight	0.85 kg

Environment

Immunity to microbreaks	<= 10 ms
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	-20...55 °C conforming to IEC 60068-2-1 and IEC 60068-2-2 -20...40 °C in non-ventilated enclosure conforming to IEC 60068-2-1 and IEC 60068-2-2
Ambient air temperature for storage	-40...70 °C
Operating altitude	2000 m
Altitude transport	<= 3048 m
Relative humidity	95 % without condensation or dripping water

Contractual warranty

Period	18 months
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