

Schneider Electric SR2B201FU

Manufacturer: Schneider Electric

Part Number: SR2B201FU

Product series: Zelio Logic

Product introduction:

Product datasheet for SR2B201FU. for the Zelio Logic; number of outputs: 8 relay; ip degree of protection: IP20 IEC 60529 terminal block) IP40 IEC 60529 front panel)

Product parameters:

product data sheet: SR2B201FU

characteristics compact smart relay zelio logic: 20 I O - 100..240 V AC - clock - display Product availability: Stock - Normally stocked in distribution facility

range of product: Zelio Logic

product or component: Compact smart relay

local display: With

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

rated supply voltage: 100...240 V AC

supply voltage limits: 85...264 V

supply frequency: 50/60 Hz

maximum supply current: 100 MA 100 V without extension) 50 mA 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 number: 12

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

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: 8 relay

output voltage: limits 5...30 V DC relay output) 24...250 V AC

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contacts type: and composition NO relay output
output thermal current: 8 A for all 8 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 le)relay output 10 Hz no load)relay output
mechanical durability: 10000000 cycles relay output
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
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: 4.43 lbf.in (0.5 N.m)
overvoltage category: III EN/IEC 60664-1
product weight: 0.84 lb(US) (0.38 kg)
immunity to microbreaks: 1 ms
product certifications: C-Tick CSA GL GOST
standards: EN/IEC 61000-4-6 level 3
en iec: 61000-4-11
en iec: 60068-2-27 Ea
en iec: 61000-4-5
en iec: 60068-2-6 Fc
en iec: 61000-4-12
en iec: 61000-4-2 level 3
en iec: 61000-4-3
en iec: 61000-4-4 level 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

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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

discount: Schedule I

gtin: 00785901693895 Returnability Yes

country of origin: FR 2

sustainable offer status: Green Premium product

reach: Declaration

eu: RoHS Directive Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration

mercury free: Yes RoHS exemption information

china: RoHS Regulation

china: RoHS Declaration

end: Of Life Information WEEE The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

warranty: 18 months 3

dimensions: Drawings

compact and: Modular Smart Relays

mounting on: 35 mm/1.38 in. DIN Rail (1) With SR2USB01 or SR2BTC01

screw: Fixing (Retractable Lugs) (1) With SR2USB01 or SR2BTC01

position of: Display 4

connections and: Schema Connection of Smart Relays on AC Supply

sr 1b: SR ••••1FU (1) 1 A quick-blow fuse or circuit-breaker. (2) Fuse or circuit-breaker. (3) Inductive load.

sr3b b sr3xt b: SR3B•••FU + SR3XT•••FU (1) 1 A quick-blow fuse or circuit-breaker.

note qf and qg: 5 A for SR3XT141•• 5

performance: Curves

electrical durability: of Relay Outputs (in millions of operating cycles, conforming to IEC/EN 60947-5-1) AC-12 (1)

x: Current (A) Y: Millions of operating cycles (1) AC-12: switching resistive loads and opto-coupler isolated solid-state loads, $\cos \geq 0.9$. AC-14 (1)

x: Current (A) Y: Millions of operating cycles (1) AC-14: switching small electromagnetic loads ≤ 72 VA, make: $\cos = 0.3$, break: $\cos = 0.3$. AC-15 (1)

x: Current (A) Y: Millions of operating cycles (1) AC-15: switching electromagnetic loads ≥ 72 VA, make: $\cos = 0.7$, break: $\cos = 0.4$. 6

Product details:

Main

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Complementary

1

10 ms from state 0 to state 1)relay output

5 ms from state 1 to state 0)relay output

Environment

UL

Ordering and shipping details

Category 22378 - SR2,3 ZELIO 2 RELAYS

Offer Sustainability

Product Environmental Profile

Contractual warranty

(4) Q9 and QA: 5 A (max. current in terminal C: 10 A).

With Discrete I/O Extension Module



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