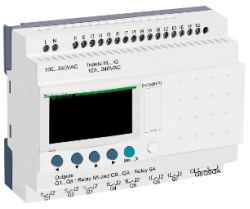
# Product data sheet

Specifications



## modular smart relay, Zelio Logic SR2 SR3, 26 IO, 100 to 240V AC, clock, display

SR3B261FU

**Product availability: Stock - Normally stocked in distribution facility**

**Price*: 486.00 USD**

## Main

| | |
|---|---|
| **Range Of Product** | Zelio Logic |
| **Product Or Component Type** | Modular smart relay |

## Complementary

| | |
|---|---|
| **Local Display** | With |
| **Number Or Control Scheme Lines** | 0…500 FBD<br>0…240 ladder |
| **Cycle Time** | 6…90 ms |
| **Backup Time** | 10 years 77 °F (25 °C) |
| **Clock Drift** | 12 min/year 32…131 °F (0…55 °C)<br>6 s/month 77 °F (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 100 V without extension)<br>50 mA 240 V without extension)<br>60 mA 240 V with extensions)<br>80 mA 100 V with extensions) |
| **Power Consumption In Va** | 12 VA without extension<br>17 VA with extensions |
| **Isolation Voltage** | 1780 V |
| **Protection Type** | Against inversion of terminals (control instructions not executed) |
| **Discrete Input Number** | 16 |
| **Discrete Input Voltage** | 100...240 V AC |
| **Discrete Input Current** | 0.6 mA |
| **Discrete Input Frequency** | 47...53 Hz<br>57...63 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 |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| | |
|---|---|
| **Number Of Outputs** | 10 relay |
| **Output Voltage Limits** | 5...30 V DC relay output)<br>24...250 V AC |
| **Contacts Type And Composition** | NO relay output |
| **Output Thermal Current** | 5 A for 2 outputs relay output<br>8 A for 8 outputs relay output |
| **Electrical Durability** | AC-12 500000 cycles 230 V, 1.5 A relay output IEC 60947-5-1<br>AC-15 500000 cycles 230 V, 0.9 A relay output IEC 60947-5-1<br>DC-12 500000 cycles 24 V, 1.5 A relay output IEC 60947-5-1<br>DC-13 500000 cycles 24 V, 0.6 A relay output 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<br>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<br>50 ms ladder from state 1 to state 0)discrete input<br>50...255 ms FBD from state 0 to state 1)discrete input<br>50...255 ms FBD from state 1 to state 0)discrete input<br>10 ms from state 0 to state 1)relay output<br>5 ms from state 1 to state 0)relay output |
| **Connections - Terminals** | Screw terminals, 1 x 0.2...1 x 2.5 mm² AWG 25...AWG 14) semi-solid<br>Screw terminals, 1 x 0.2...1 x 2.5 mm² AWG 25...AWG 14) solid<br>Screw terminals, 1 x 0.25...1 x 2.5 mm² AWG 24...AWG 14) flexible with cable end<br>Screw terminals, 2 x 0.2...2 x 1.5 mm² AWG 24...AWG 16) solid<br>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 IEC 60664-1 |
| **Net Weight** | 0.88 lb(US) (0.4 kg) |

## Environment

| | |
|---|---|
| **Immunity To Microbreaks** | 10 ms |
| **Product Certifications** | GOST<br>GL<br>CSA<br>UL<br>C-tick |
| **Standards** | IEC 61000-4-12<br>IEC 60068-2-27 Ea<br>IEC 60068-2-6 Fc<br>IEC 61000-4-6 level 3<br>IEC 61000-4-5<br>IEC 61000-4-11<br>IEC 61000-4-3<br>IEC 61000-4-2 level 3<br>IEC 61000-4-4 level 3 |
| **Ip Degree Of Protection** | IP20 IEC 60529 terminal block)<br>IP40 IEC 60529 front panel) |
| **Environmental Characteristic** | EMC directive IEC 61000-6-2<br>EMC directive IEC 61000-6-3<br>EMC directive IEC 61000-6-4<br>EMC directive IEC 61131-2 zone B<br>Low voltage directive IEC 61131-2 |
| **Disturbance Radiated/Conducted** | Class B EN 55022-11 group 1 |
| **Pollution Degree** | 2 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<br>-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** | US1000I22378 |
| **Discount Schedule** | 000I |
| **Gtin** | 3389110550009 |
| **Returnability** | Yes |
| **Country Of Origin** | US |

## Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 2.68 in (6.8 cm) |
| **Package 1 Width** | 5.31 in (13.5 cm) |
| **Package 1 Length** | 3.94 in (10.0 cm) |
| **Package 1 Weight** | 13.76 oz (390.0 g) |
| **Unit Type Of Package 2** | S03 |
| **Number Of Units In Package 2** | 20 |
| **Package 2 Height** | 11.81 in (30.0 cm) |
| **Package 2 Width** | 11.81 in (30.0 cm) |
| **Package 2 Length** | 15.75 in (40.0 cm) |
| **Package 2 Weight** | 18.30 lb(US) (8.302 kg) |

## Contractual warranty

| | |
|---|---|
| **Warranty** | 18 months |

## Sustainability

**Green Premium$^{TM}$ 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-$CO_2$ 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 | |

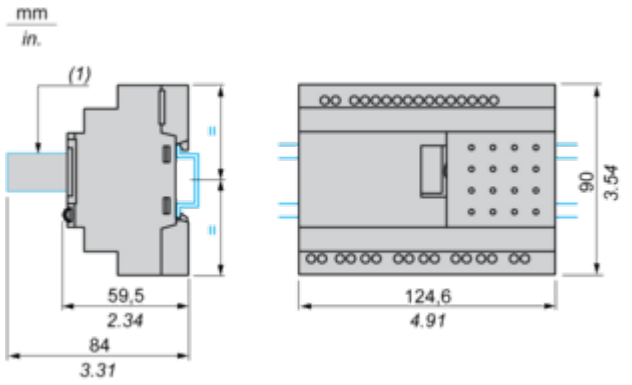
## Certifications & Standards

| | |
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Pro-active compliance (Product out of EU RoHS legal scope) |
| **China Rohs Regulation** | China RoHS declaration |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| **Circularity Profile** | End of Life Information |
| **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 www.P65Warnings.ca.gov |

## Dimensions Drawings

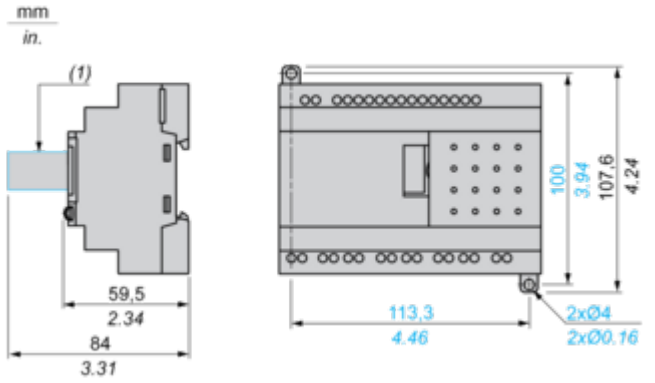
### Compact and Modular Smart Relays

#### Mounting on 35 mm/1.38 in. DIN Rail



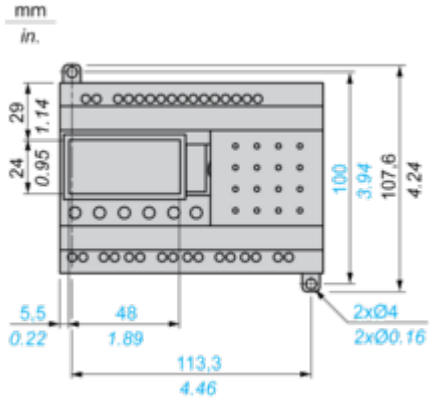

**(1)** With SR2USB01 or SR2BTC01

#### Screw Fixing (Retractable Lugs)




**(1)** With SR2USB01 or SR2BTC01

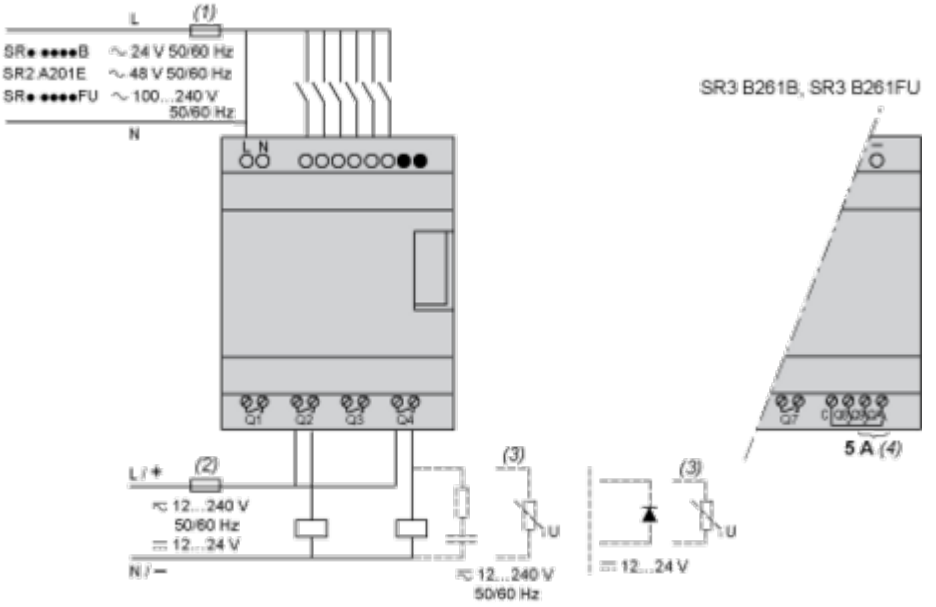
#### Position of Display



Connections and Schema

## Connection of Smart Relays on AC Supply

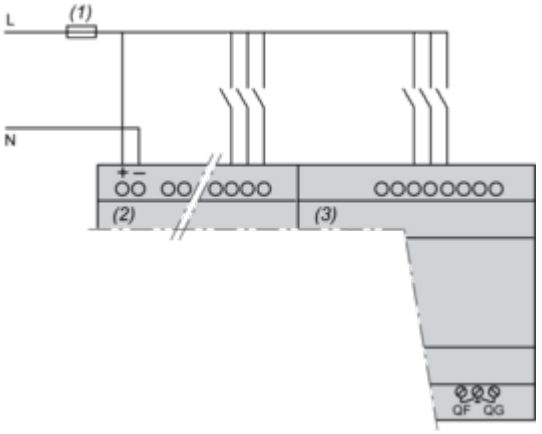
### SR••••1B, SR••••1FU




**(1)** 1 A quick-blow fuse or circuit-breaker.
**(2)** Fuse or circuit-breaker.
**(3)** Inductive load.
**(4)** Q9 and QA: 5 A (max. current in terminal C: 10 A).

### With Discrete I/O Extension Module

SR3B•••B + SR3XT•••B, SR3B•••FU + SR3XT•••FU




**(1)** 1 A quick-blow fuse or circuit-breaker.

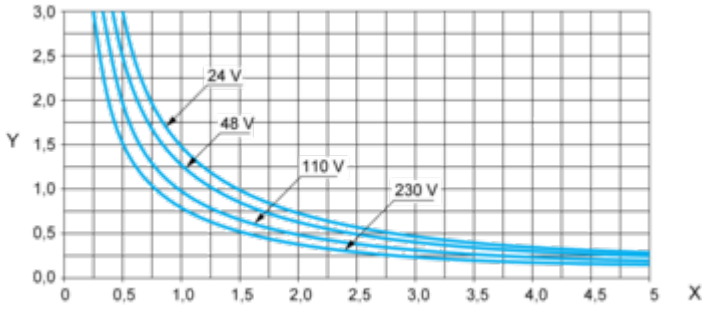
**NOTE:** QF and QG: 5 A for SR3XT141••

## Performance Curves

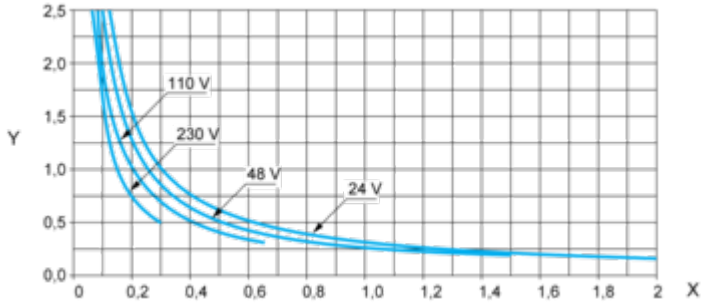
### Compact and Modular Smart Relays

#### Electrical Durability of Relay Outputs

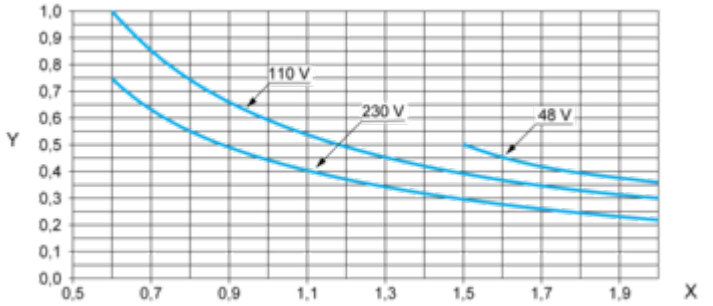
(in millions of operating cycles, conforming to IEC/EN 60947-5-1)
AC-12 (1)




**X:** Current (A)
**Y:** Millions of operating cycles
**(1)** AC-12: switching resistive loads and opto-coupler isolated solid-state loads, cos ≥ 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.