Product data sheet

Specifications





discrete IO extension module, Zelio Logic SR2 SR3, 14 IO, 100 to 240V AC

SR3XT141FU

Product availability: Stock - Normally stocked in distribution facility

Price*: 164.00 USD

Main

Range Of Product	Zelio Logic
Product Or Component Type	Discrete I/O extension module

Complementary

complementary	
Number Or Control Scheme Lines	120 ladder
Cycle Time	690 ms
Backup Time	10 years 77 °F (25 °C)
Clock Drift	12 min/year 32131 °F (055 °C)
Checks	Program memory on each power up
[Us] Rated Supply Voltage	100240 V AC
Supply Voltage Limits	85264 V
Supply Frequency	50/60 Hz
Reverse Polarity Protection	With
Discrete Input Number	8
Discrete Input Voltage	100240 V AC
Discrete Input Current	0.6 mA
Discrete Input Frequency	5763 Hz 4753 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	6 relay
Output Voltage Limits	530 V DC relay output) 24250 V AC
Contacts Type And Composition	NO relay output
Output Thermal Current	5 A for 2 outputs relay output 8 A for 4 outputs relay output
Electrical Durability	AC-15 500000 cycles 230 V, 0.9 A relay output IEC 60947-5-1 AC-12 500000 cycles 230 V, 1.5 A relay output IEC 60947-5-1 DC-13 500000 cycles 24 V, 0.6 A relay output IEC 60947-5-1 DC-12 500000 cycles 24 V, 1.5 A relay output IEC 60947-5-1

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

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	1000000 cycles relay output	
[Uimp] Rated Impulse Withstand Voltage	4 kV EN/IEC 60947-1 and EN/IEC 60664-1	
Response Time	50 ms ladder from state 0 to state 1)discrete input 50 ms ladder from state 1 to state 0)discrete input 50255 ms FBD from state 0 to state 1)discrete input 50255 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 0.251 x 2.5 mm ² AWG 24AWG 14) flexible with cable end Screw terminals, 2 x 0.252 x 0.75 mm ² AWG 24AWG 18) flexible with cable end Screw terminals, 1 x 0.21 x 2.5 mm ² AWG 25AWG 14) semi-solid Screw terminals, 1 x 0.21 x 2.5 mm ² AWG 25AWG 14) solid Screw terminals, 2 x 0.22 x 1.5 mm ² AWG 24AWG 16) solid	
Tightening Torque	4.43 lbf.in (0.5 N.m)	
Overvoltage Category	III IEC 60664-1	
Net Weight	0.49 lb(US) (0.22 kg)	

Environment

Product Certifications	C-tick GOST CSA GL UL
Standards	IEC 61000-4-6 level 3 IEC 61000-4-2 level 3 IEC 61000-4-4 level 3 IEC 60068-2-27 Ea IEC 61000-4-5 IEC 61000-4-11 IEC 60068-2-6 Fc IEC 61000-4-12 IEC 61000-4-3
Ip Degree Of Protection	IP20 IEC 60529 terminal block) IP40 IEC 60529 front panel)
Environmental Characteristic	EMC directive IEC 61000-6-2 EMC directive IEC 61000-6-3 EMC directive IEC 61000-6-4 EMC directive IEC 61131-2 zone B 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	-4104 °F (-2040 °C) in non-ventilated enclosure IEC 60068-2-1 and IEC 60068-2-2 -4131 °F (-2055 °C) IEC 60068-2-1 and IEC 60068-2-2
Ambient Air Temperature For Storage	-40158 °F (-4070 °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	0001

Gtin	3389110550160
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	3.94 in (10.0 cm)
Package 1 Length	3.46 in (8.8 cm)
Package 1 Weight	7.09 oz (201.0 g)
Unit Type Of Package 2	\$03
Number Of Units In Package 2	30
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	14.45 lb(US) (6.554 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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

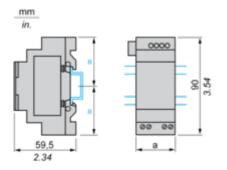
Certifications & Standards

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	

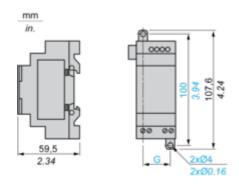
Dimensions Drawings

I/O Extension Modules

Mounting on 35 mm/1.38 in. DIN Rail



Screw Fixing (Retractable Lugs)

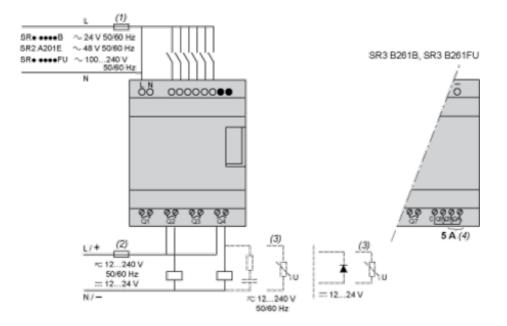


SR3	a (mm/in.)	G (mm/in.)
XT61••	35 / 1.38	25 / 0.98
XT101••	72 / 2.83	60 / 2.36
XT141••	72 / 2.83	60 / 2.36

Connections and Schema

Connection of Smart Relays on AC Supply

SR••••1B, SR••••1FU



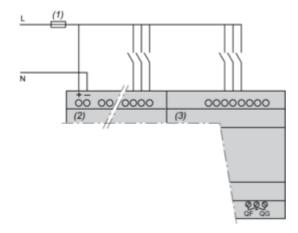
(1) 1 A quick-blow fuse or circuit-breaker.

- (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.

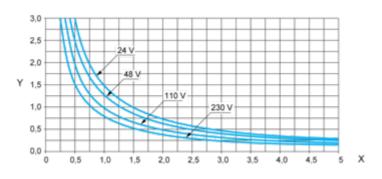
NOTE: QF and QG: 5 A for SR3XT141..

Performance Curves

Compact and Modular Smart Relays

Electrical Durability of Relay Outputs

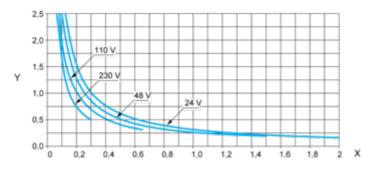
(in millions of operating cycles, conforming to IEC/EN 60947-5-1) AC-12 (1)



X: Current (A)

Y: Millions of operating cycles

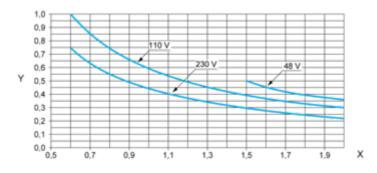
(1) AC-12: switching resistive loads and opto-coupler isolated solid-state loads, $\cos \ge 0.9$. AC-14 (1)



X: Current (A)

Y: Millions of operating cycles

(1) AC-14: switching small electromagnetic loads \leq 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.