# **Product datasheet**

Specification





# compact smart relay Zelio Logic - 20 I O - 48 V AC - no clock - display

Local distributor code: 398051185

SR2A201E

EAN Code: 3389119204040

# Main

Range Of Product	Zelio Logic
Product Or Component Type	Compact smart relay

# Complementary

•	
Local Display	With
Number Or Control Scheme Lines	0240 with ladder programming
[Us] Rated Supply Voltage	48 V AC
Supply Voltage Limits	40.852.8 V
Supply Frequency	50/60 Hz
Maximum Supply Current	110 mA (without extension)
Power Consumption In Va	5.7 VA without extension
Isolation Voltage	1780 V
Discrete Input Number	12
Discrete Input Voltage	48 V AC
Discrete Input Current	1.2 mA
Discrete Input Frequency	5763 Hz 4753 Hz
Voltage State 1 Guaranteed	>= 20 V
Voltage State 0 Guaranteed	<= 17 V
Current State 1 Guaranteed	>= 0.5 mA
Current State 0 Guaranteed	<= 0.4 mA
Analogue Input Number	0
Input Impedance	24 kOhm
Number Of Outputs	8 relay
Output Voltage Limits	24250 V AC 530 V DC
Contacts Type And Composition	NO
Output Thermal Current	8 A for all 8 outputs
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

Operating Rate In Hz	0.1 Hz (at le) for relay output 10 Hz (no load) 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	48 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 10 ms (from state 0 to state 1) for relay output 5 ms (from state 1 to state 0) for relay output
Net Weight	0.38 kg

# **Environment**

Immunity To Microbreaks 10 ms repeated 20 times

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	6.8 cm
Package 1 Width	10.0 cm
Package 1 Length	13.3 cm
Package 1 Weight	365.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	20
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	8.013 kg

# **Contractual warranty**

Warranty 18 months



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**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency RoHS/REACh

# Well-being performance



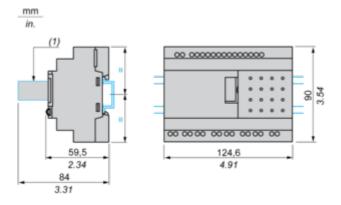
### **Certifications & Standards**

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

#### **Dimensions Drawings**

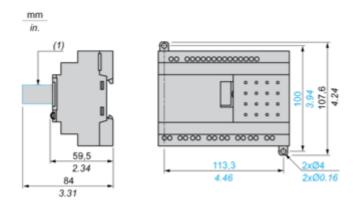
#### **Compact and Modular Smart Relays**

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



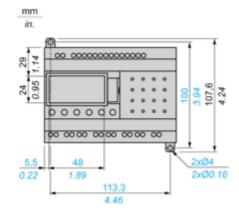
# (1) With SR2USB01 or SR2BTC01

#### Screw Fixing (Retractable Lugs)



## (1) With SR2USB01 or SR2BTC01

#### **Position of Display**

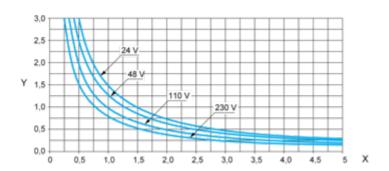


#### Performance Curves

#### **Compact and Modular Smart Relays**

#### **Electrical Durability of Relay Outputs**

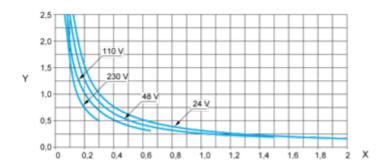
(in millions of operating cycles, conforming to IEC/EN 60947-5-1) AC-12 (1)



X: Current (A)

Y: Millions of operating cycles

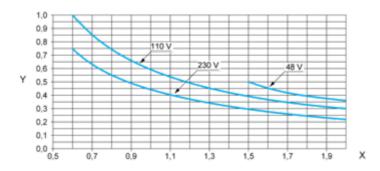
(1) AC-12: switching resistive loads and opto-coupler isolated solid-state loads, cos ≥ 0.9. AC-14 (1)



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.