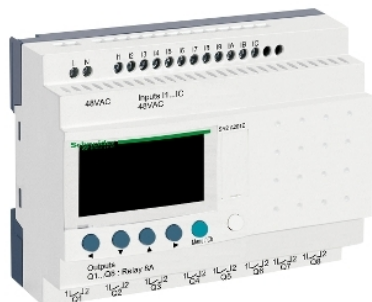




Main

Range of product	Zelio Logic
Product or component type	Compact smart relay

Complementary

Local display	With
Number of control scheme lines	0...240 with ladder programming
[Us] rated supply voltage	48 V AC
Supply voltage limits	40.8...52.8 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	57...63 Hz 47...53 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
Input impedance	24 kOhm
Number of outputs	8 relay
Output voltage limits	24...250 V AC 5...30 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 EN/IEC 60947-5-1 AC-15: 500000 cycles at 230 V, 0.9 A for relay output conforming to EN/IEC 60947-5-1 DC-12: 500000 cycles at 24 V, 1.5 A for relay output conforming to EN/IEC 60947-5-1 DC-13: 500000 cycles at 24 V, 0.6 A for relay output conforming to EN/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 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
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	365 g
Package 1 Height	6.8 cm
Package 1 width	10 cm
Package 1 Length	13.3 cm
Unit Type of Package 2	S03
Number of Units in Package 2	20
Package 2 Weight	8.013 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

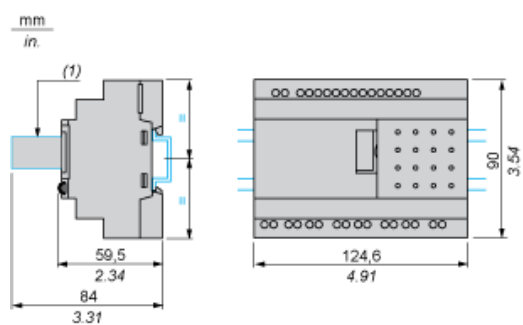
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	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
PVC free	Yes

Contractual warranty

Warranty	18 months
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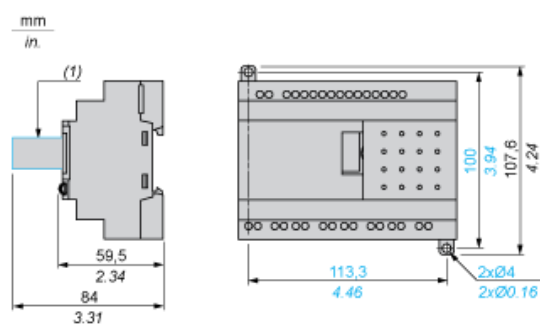
Compact and Modular Smart Relays

Mounting on 35 mm/1.38 in. DIN Rail



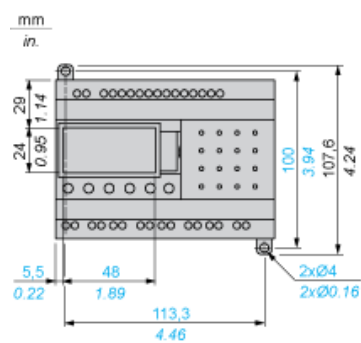
(1) With SR2USB01 or SR2BTC01

Screw Fixing (Retractable Lugs)



(1) With SR2USB01 or SR2BTC01

Position of Display

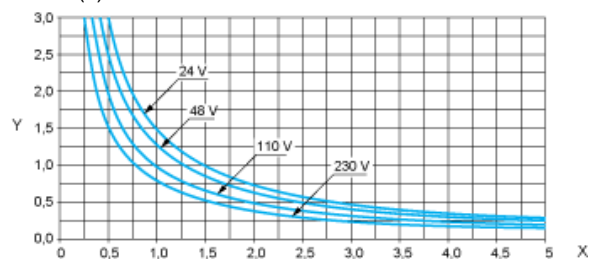


Compact and Modular Smart Relays

Electrical Durability of Relay Outputs

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

AC-12 (1)

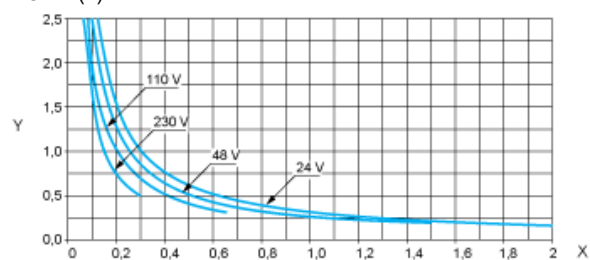


X: Current (A)

Y: Millions of operating cycles

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

AC-14 (1)

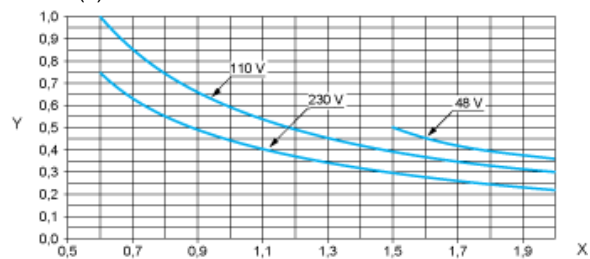


X: Current (A)

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: $\cos = 0.4$.