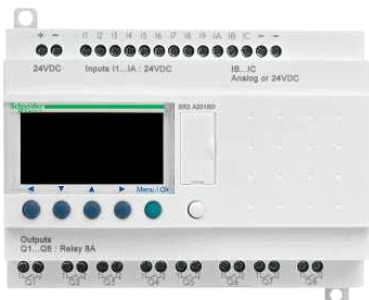


SR2A201FU (45 023 12)

Zelio Logic kompakt reléerstatte med/uten display.
Antall I/O kan ikke utvides.



Hovedkarakteristikk

Produktspekter	Zelio Logic
Produkt eller komponent type	Kompakt smartrelé

Alternativer

Local display	Med
Number of control scheme lines	<= 200 med FBD programming 120 med ladder programming
Cycle time	6...90 ms
Backup time	10 år på 25 °C
Clock drift	6s/måned på 25 °C 12 min/year på 0...55 °C
Checks	Program memory on each power up
[Us] merkespenning	100...240 V
Spenningsgrenser	85...264 V
Nettfrekvens	50/60 Hz
Matespenning	100 mA på 100 V (without extension) 50 mA på 240 V (without extension)
Strømforbruk i VA	11 VA without extension
Isolation voltage	1780 V
Type vern	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	47...53 Hz 57...63 Hz
Garantert spenning = 1	>= 79 V for discrete input
Voltage state 0 guaranteed	<= 40 V for discrete input
Strømtilstand 1 garantert	> 0.17 mA for discrete input
Garantert strøm = 0	< 0.5 mA for discrete input
Input impedance	350 kOhm (discrete input)
Antall utganger	8 relé output(s)
Output voltage limits	24...250 V AC 5 - 30 V DC (relay output)
Kontakttype og -sammensetning	Nei for relay output
Output thermal current	8 A for all 8 outputs (relay output)
Elektrisk levetid	500000 sykluser AC-12 på 230 V, 1.5 A for relay output i samsvar med EN/IEC 60947-5-1 500000 sykluser AC-15 på 230 V, 0.9 A for relay output i samsvar med EN/IEC 60947-5-1 500000 sykluser DC-12 på 24 V, 1.5 A for relay output i samsvar med EN/IEC 60947-5-1 500000 sykluser DC-13 på 24 V, 0.6 A for relay output i samsvar med EN/IEC 60947-5-1
Svitsjekapasitet i mA	>= 10 mA på 12 V (relay output)

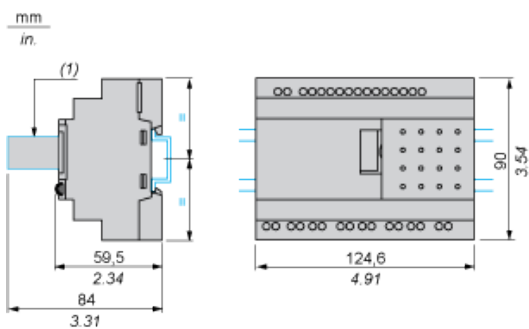
Operating rate in Hz	0.1 Hz (at Ie) for relay output 10 Hz (no load) for relay output
Mekanisk levetid	10000000 sykluser (relay output)
[Uimp] Nominell impuls ­ spenning	4 kV i samsvar med EN/IEC 60947-1 and EN/IEC 60664-1
Klokke	Uten
Responstid	10 ms (from state 0 to state 1) for relay output 5 ms (from state 1 to state 0) for relay output 50 ms med ladder programming (from state 0 to state 1) for discrete input 50 ms med ladder programming (from state 1 to state 0) for discrete input 50...255 ms med FBD programming (from state 0 to state 1) for discrete input 50...255 ms med FBD programming (from state 1 to state 0) for discrete input
Tilkoblinger - terminaler	Skrulklemmer, klem kapasitet: 1 x 0.2...1 x 2.5 mm ² AWG 25...AWG 14 semi-solid Skrulklemmer, klem kapasitet: 1 x 0.2...1 x 2.5 mm ² AWG 25...AWG 14 solid Skrulklemmer, klem kapasitet: 1 x 0.25...1 x 2.5 mm ² AWG 24...AWG 14 fleksibel med endehylse Skrulklemmer, klem kapasitet: 2 x 0.2...2 x 1.5 mm ² AWG 24...AWG 16 solid Skrulklemmer, klem kapasitet: 2 x 0.25...2 x 0.75 mm ² AWG 24...AWG 18 fleksibel med endehylse
Tiltrekningsmoment	0.5 N.m
Overspenningskategori	III i samsvar med EN/IEC 60664-1
Vekt	0.38 kg

Miljø

immunity to microbreaks	<= 10 ms
produkt ­ sertifikater	CSA C-Tick GL GOST UL
standarder	EN/IEC 60068-2-27 Ea EN/IEC 60068-2-6 Fc EN/IEC 61000-4-11 EN/IEC 61000-4-12 EN/IEC 61000-4-2 nivå 3 EN/IEC 61000-4-3 EN/IEC 61000-4-4 nivå 3 EN/IEC 61000-4-5 EN/IEC 61000-4-6 nivå 3
IP-grad	IP20 (tilkoblingsblokk) i samsvar med IEC 60529 IP40 (front panel) i samsvar med IEC 60529
miljødata	EMC direktiv i samsvar med EN/IEC 61000-6-2 EMC direktiv i samsvar med EN/IEC 61000-6-3 EMC direktiv i samsvar med EN/IEC 61000-6-4 EMC direktiv i samsvar med EN/IEC 61131-2 zone B Low voltage directive i samsvar med EN/IEC 61131-2
disturbance radiated/conducted	Klasse B i samsvar med EN 55022-11 group 1
Forurensninggrad	2 i samsvar med EN/IEC 61131-2
omgivelsestemperatur for drift	-20...40 °C in non-ventilated enclosure i samsvar med IEC 60068-2-1 and IEC 60068-2-2 -20...55 °C i samsvar med IEC 60068-2-1 and IEC 60068-2-2
omgivelsestemperatur for lagring	-40...70 °C
operating altitude	2000 m
altitude transport	<= 3048 m
relativ fuktighet	95 % without condensation or dripping water

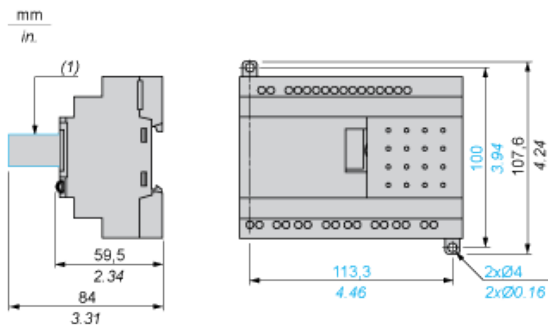
Compact and Modular Smart Relays

Mounting on 35 mm/1.38 in. DIN Rail



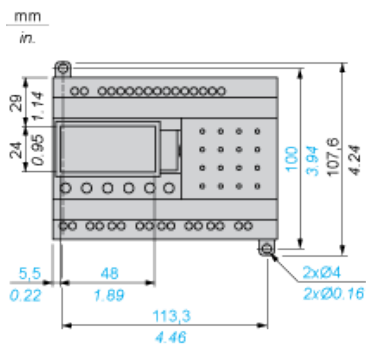
(1) With SR2USB01 or SR2BTC01

Screw Fixing (Retractable Lugs)



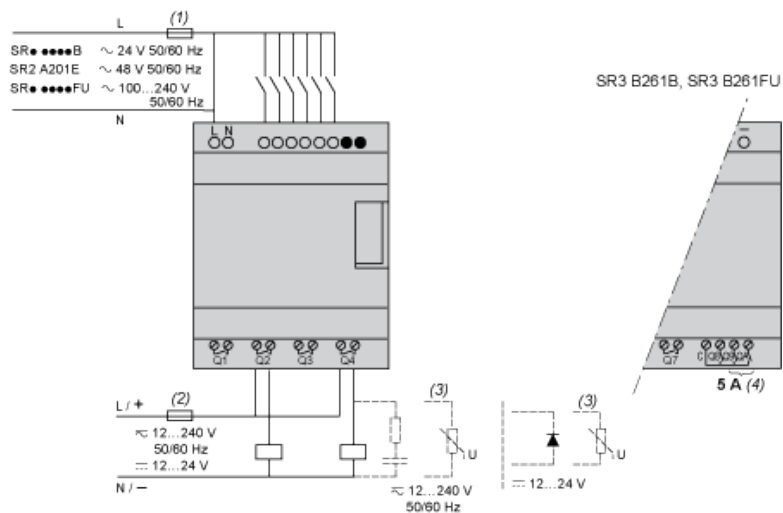
(1) With SR2USB01 or SR2BTC01

Position of Display



Connection of Smart Relays on AC Supply

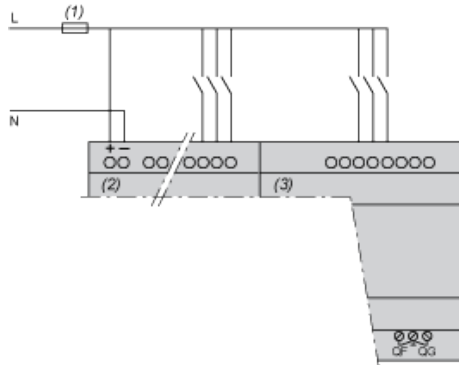
SR....1B, SR....1FU



- (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.

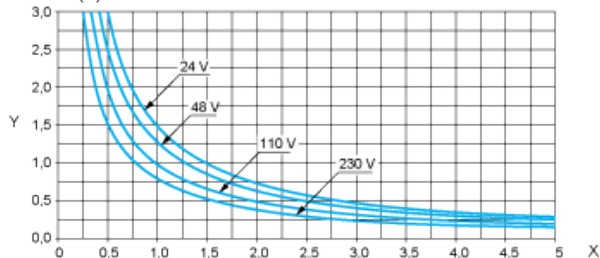
QF and QG: 5 A for SR3XT141**

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)

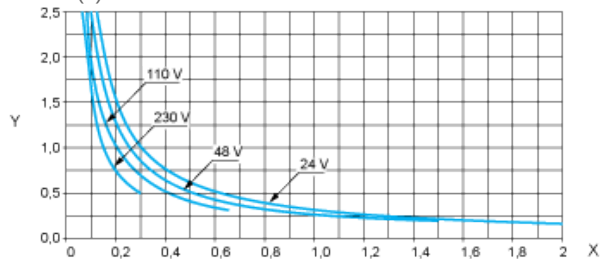


X: Current (A)

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)

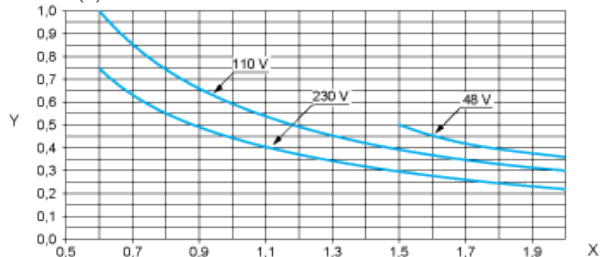


X: Current (A)

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: $\cos = 0.4$.