


| Switching capacity in mA | >= 10 mA at 12 V (relay output) |
| :---: | :---: |
| Operating rate in Hz | 0.1 Hz (at le) for relay output 10 Hz (no load) for relay output |
| Mechanical durability | 10000000 cycles (relay output) |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN/IEC 60947-1 and EN/IEC 60664-1 |
| Response time | 10 ms (from state 0 to state 1) for relay output <br> 5 ms (from state 1 to state 0 ) for relay output <br> 50 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 $50 \ldots 255 \mathrm{~ms}$ with FBD programming (from state 0 to state 1) for discrete input $50 \ldots 255 \mathrm{~ms}$ with FBD programming (from state 1 to state 0 ) for discrete input |
| Connections - terminals | Screw terminals, flexible cable with cable end $1 \times 0.25 \ldots 1 \times 2.5 \mathrm{~mm}^{2} /$ AWG $24 \ldots$...AWG 14 AWG Screw terminals, flexible cable with cable end $2 \times 0.25 \ldots 2 \times 0.75 \mathrm{~mm}^{2}$ / AWG $24 \ldots$..AWG 18 AWG Screw terminals, semi-solid cable $1 \times 0.2 \ldots 1 \times 2.5 \mathrm{~mm}^{2} /$ AWG 25 ...AWG 14 AWG <br> Screw terminals, solid cable $1 \times 0.2 \ldots 1 \times 2.5 \mathrm{~mm}^{2} /$ AWG $25 \ldots$...AWG 14 AWG Screw terminals, solid cable $2 \times 0.2 \ldots 2 \times 1.5 \mathrm{~mm}^{2} /$ AWG $24 \ldots$...AWG 16 AWG |
| Tightening torque | 0.5 N.m |
| Overvoltage category | III conforming to EN/IEC 60664-1 |
| Product weight | 0.22 kg |
| Environment |  |
| Product certifications | CSA C-Tick GL GOST UL |
| Standards | EN/IEC 60068-2-27 Ea <br> EN/IEC 60068-2-6 Fc <br> EN/IEC 61000-4-11 <br> EN/IEC 61000-4-12 <br> EN/IEC 61000-4-2 level 3 <br> EN/IEC 61000-4-3 <br> EN/IEC 61000-4-4 level 3 <br> EN/IEC 61000-4-5 <br> EN/IEC 61000-4-6 level 3 |
| IP degree of protection | IP20 (terminal block) conforming to IEC 60529 IP40 (front panel) conforming to IEC 60529 |
| Environmental characteristic | EMC directive conforming to EN/IEC 61000-6-2 <br> EMC directive conforming to EN/IEC 61000-6-3 <br> EMC directive conforming to EN/IEC 61000-6-4 <br> EMC directive conforming to EN/IEC 61131-2 zone B <br> Low voltage directive conforming to EN/IEC 61131-2 |
| Disturbance radiated/conducted | Class B conforming to EN 55022-11 group 1 |
| Pollution degree | 2 conforming to EN/IEC 61131-2 |
| Ambient air temperature for operation | $-20 \ldots 40^{\circ} \mathrm{C}$ in non-ventilated enclosure conforming to IEC 60068-2-1 and IEC 60068-2-2 $-20 \ldots 55^{\circ} \mathrm{C}$ conforming to IEC 60068-2-1 and IEC 60068-2-2 |
| Ambient air temperature for storage | $-40 . . .70^{\circ} \mathrm{C}$ |
| Operating altitude | 2000 m |
| Altitude transport | <= 3048 m |
| Relative humidity | $95 \%$ without condensation or dripping water |

Contractual warranty
Warranty period 18 months

Mounting on $35 \mathrm{~mm} / 1.38 \mathrm{in}$. DIN Rail


Screw Fixing (Retractable Lugs)


| SR3 | $\mathrm{a}(\mathrm{mm} / \mathrm{in})$. | $\mathrm{G}(\mathrm{mm} / \mathrm{in})$. |
| :--- | :--- | :--- |
| XT61•• | $35 / 1.38$ | $25 / 0.98$ |
| XT101•• | $72 / 2.83$ | $60 / 2.36$ |
| XT141•• | $72 / 2.83$ | $60 / 2.36$ |

## 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 $\cdots \cdot B+S R 3 X T \cdots B$, SR3B $\cdots F U+S R 3 X T \cdots F U$

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

NOTE: QF and QG: 5 A for SR3XT141••

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

$\begin{array}{ll}\mathrm{X}: & \text { Current (A) } \\ \mathrm{Y}: & \text { Millions of operating cycles }\end{array}$
(1) AC-12: switching resistive loads and opto-coupler isolated solid-state loads, $\cos \geq 0.9$.

AC-14 (1)

$\mathrm{X}: \quad$ Current (A)
Y: Millions of operating cycles
(1) AC-14: switching small electromagnetic loads $\leq 72 \mathrm{VA}$, make: $\cos =0.3$, break: $\cos =0.3$.

AC-15 (1)

$\mathrm{X}: \quad$ Current (A)
Y: Millions of operating cycles
(1) AC-15: switching electromagnetic loads $\geq 72 \mathrm{VA}$, make: $\cos =0.7$, break: $\cos =0.4$.

