



Main

Range of product	Zelio Relay
Product or component type	Solid state relay
Device short name	SSR
Network number of phases	1 phase
Mounting support	Panel
[In] rated current	12 A
Output voltage	3...100 V DC
Control circuit voltage	3...32 V DC

Complementary

Contacts type and composition	1 NO
Tightening torque	<= 2.2 N.m for output <= 1.1 N.m for input
Local signalling	Without LED
Switching voltage	3.5 V DC turn-on 1 V DC turn-off
Input current limits	1.6...28 mA
Solid state output type	Mosfet output DC switching
Load current	0...12 A
Surge current	28 A for 10 ms
Voltage drop	1.6 V on-state
Thermal resistance	1.34 °C/W
Leakage current	<= 0.2 mA off-state
Response time	0.1 ms turn-off 0.1 ms turn-on

Environment

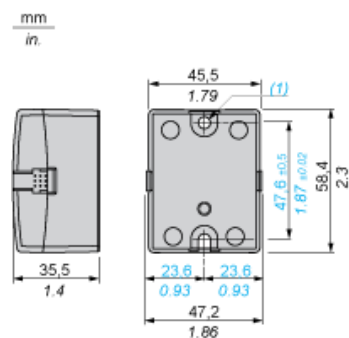
Standards	UL E258297 CSA LR 40487 IEC 60950-1 IEC 62314
Marking	CE
IP degree of protection	IP20
Ambient air temperature for operation	-40...80 °C
Ambient air temperature for storage	-40...125 °C

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0940 - Schneider Electric declaration of conformity

Dimensions

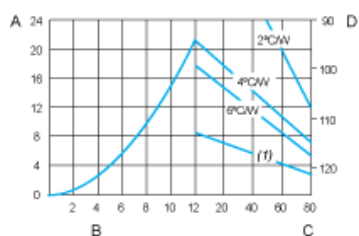
Panel Mounting



(1) $\varnothing 4.9 \pm 0.25 \text{ mm} / \varnothing 0.016 \pm 0.0098 \text{ in.}$ hole

Thermal Derating Curves

12 A Relays



- A: Power dissipation
B: Load current (Arms)
C: Max. ambient temperature (°C)
D: Base plate temperature (°C)
(f) No heat sink

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.