

SSRPCDS75A2

solid state relay - panel mounting - input 3-32 V DC, output 48-530 V AC, 75A



Main

Range of product	Zelio Relay
Product or component type	Solid state relay
Device short name	SSR
Mounting support	Panel
[In] rated current	75 A
Output voltage	48...530 V AC
[Uc] control circuit voltage	4...32 V
Control circuit type	DC

Complementary

Contacts type and composition	1 NO
Tightening torque	<= 2.2 N.m for output <= 1.1 N.m for input
Local signalling	LED green for input status
Switching voltage	1 V DC turn-off 4 V DC turn-on
Input current limits	10 mA
Solid state output type	SCR output Zero voltage switching
Load current	0.15...75 A
Output sustained overvoltage	1200 V
Surge current	1000 A for 16.6 ms
Voltage drop	1.6 V on-state
Thermal resistance	0.31 °C/W
Maximum I²t for fusing	4150 A².s for 8.3 ms
Leakage current	<= 1 mA off-state
DV/Dt	500 V/µs off-state at maximum voltage
Response time	0.5 cycle turn-off 0.5 cycle 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

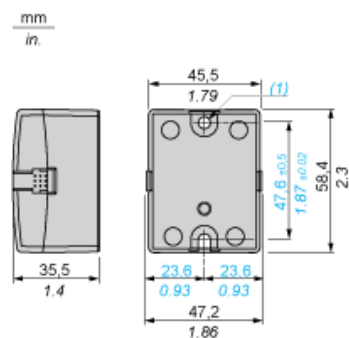
Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0940 - Schneider Electric declaration of conformity

Contractual warranty

Period	18 months
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Dimensions

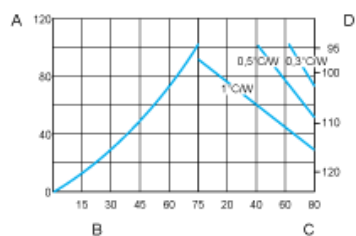
Panel Mounting



(1) $\varnothing 4.9 \pm 0.25 \text{ mm} / \varnothing 0.16 \pm 0.0098 \text{ in.}$ hole

Thermal Derating Curves

75 A Relays



- A: Power dissipation
B: Load current (Arms)
C: Max. ambient temperature (°C)
D: Base plate temperature (°C)

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