

Product datasheet

Specifications



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

SSRPCDS75A2

⚠ Discontinued on: 2 Apr 2021

⚠ Discontinued

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	75 A
Output voltage	48...530 V AC
[Uc] control circuit voltage	4...32 V DC

Complementary

Contacts type and composition	1 NO
Tightening torque	<= 1.1 N.m for input <= 2.2 N.m for output
Local signalling	LED (green) for input status
Switching voltage	4 V DC turn-on 1 V DC turn-off
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
Maximum voltage drop	<1.6 V on-state
thermal resistance	0.31 °C/W
Maximum I²t for fusing	4150 A².s for 8.3 ms
Maximum leakage current	1 mA off-state
DV/dt	500 V/µs off-state at maximum voltage
Response time	0.5 cycle (turn-on) 0.5 cycle (turn-off)

Environment

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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

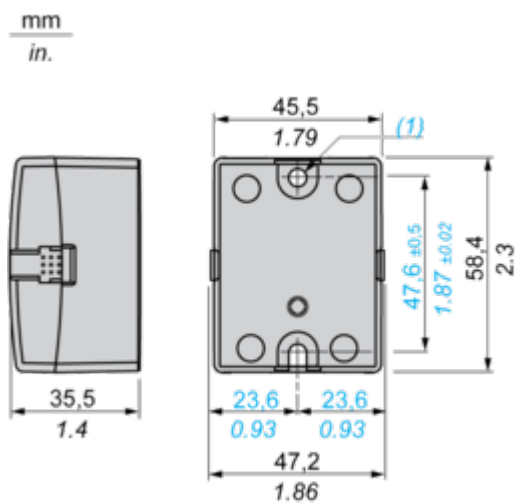
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Dimensions

Panel Mounting

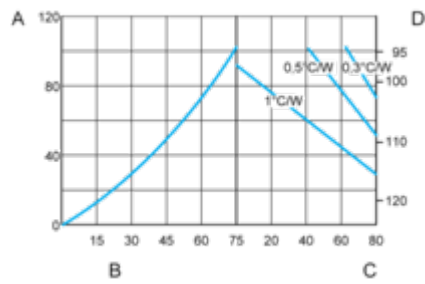


(1) Ø4.9 ±0.25 mm / Ø0.016 ±0.0098 in. hole

Performance Curves

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.

Technical Illustration

Dimensions

