

Product datasheet

Specifications



solid state relay - panel mounting -
input 3-32 V DC, output 24-280 V
AC, 10A

SSRPCDS10A1

⚠ Discontinued on: 5 Apr 2022

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EAN Code: 3606480076343

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	10 A
Output Voltage	24...280 V AC
[Uc] Control Circuit Voltage	3...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	1 V DC turn-off 3 V DC turn-on
Input Current Limits	10 mA
Solid State Output Type	Zero voltage switching SCR output
Load Current	0.15...10 A
Output Sustained Overvoltage	600 V
Surge Current	120 A for 16.6 ms
Maximum Voltage Drop	<1.6 V on-state
Thermal Resistance	1.48 °C/W
Maximum I²T For Fusing	60 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	IEC 60950-1 CSA LR 40487 UL E258297 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

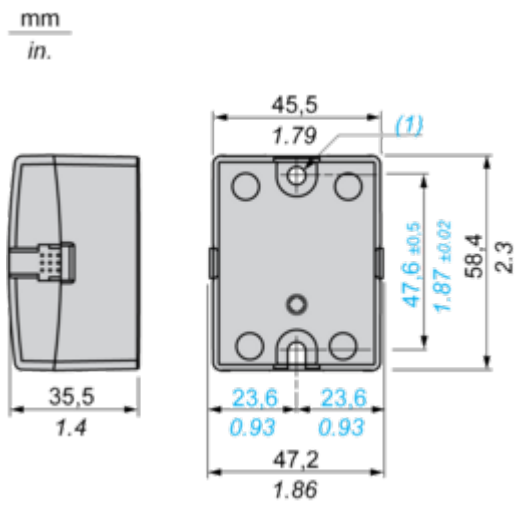
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Dimensions

Panel Mounting

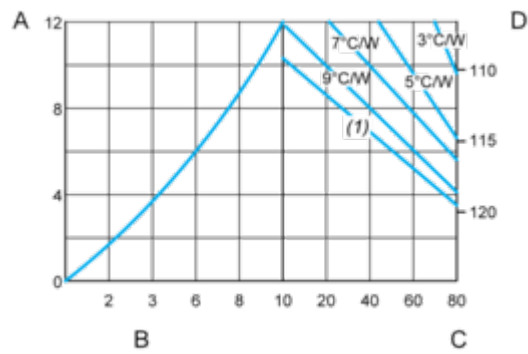


(1) Ø4.9 ±0.25 mm / Ø0.016 ±0.0098 in. hole

Performance Curves

Thermal Derating Curves

10 A Relays



A: Power dissipation

B: Load current (Arms)

C: Max. ambient temperature (°C)

D: Base plate temperature (°C)

(1) No heat sink

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