

Product data sheet

Specifications



solid state relay - panel mounting -
input 90-280 V AC, output 24-280 V
AC, 25A

SSRPP8S25A1

⚠ Discontinued on: Jan 29, 2021

⚠ Discontinued

Main

Range Of Product	Zelio Relay
Product Or Component Type	Solid state relay
Device Short Name	SSR
Phase	1 phase
Mounting Support	Panel
Line Rated Current	25 A
Output Voltage	24...280 V AC
[Uc] Control Circuit Voltage	90...280 V AC

Complementary

Contacts Type And Composition	1 NO
Tightening Torque	<= 1.1 N.m for input <= 2.2 N.m for output
Local Signalling	for input status LED (green)
Switching Voltage	90 V AC turn-on 10 V AC turn-off
Input Current Limits	6 mA
Solid State Output Type	Zero voltage switching SCR output
Load Current	0.15...25 A
Output Sustained Overvoltage	600 V
Surge Current	250 A 16.6 ms
Maximum Voltage Drop	<1.6 V on-state
Thermal Resistance	1.02 °C/W
Maximum I²T For Fusing	260 A².s 8.3 ms
Maximum Leakage Current	10 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 IEC 62314 IEC 60950-1 CSA LR 40487
Marking	CE
Ip Degree Of Protection	IP20
Ambient Air Temperature For Operation	-40...176 °F (-40...80 °C)
Ambient Air Temperature For Storage	-40...257 °F (-40...125 °C)

Ordering and shipping details

Category	22375-INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
Gtin	00785901693154
Returnability	No
Country Of Origin	MX

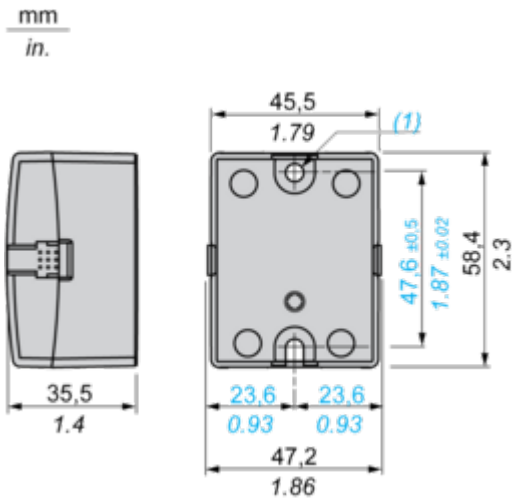
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Dimensions

Panel Mounting

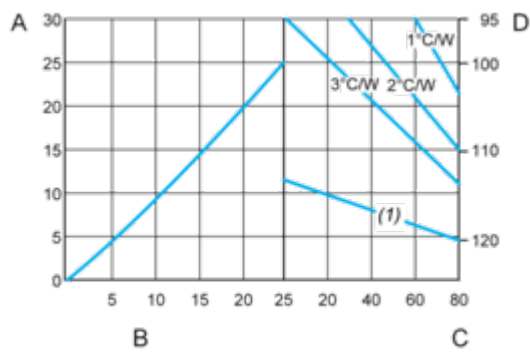


(1) Ø4.9 ±0.25 mm / Ø0.016 ±0.0098 in. hole

Performance Curves

Thermal Derating Curves

25 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.