Product data sheet

Specifications

solid state relay - panel mounting - input 90-280 V AC, output 24-660 V AC, 125A

SSRPP8S125A3

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	125 A
Output voltage	48...530 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	LED (green) for input status
Switching voltage	90 V AC turn-on 10 V AC turn-off
Input current limits	6 mA
Solid state output type	SCR output Zero voltage switching
Load current	0.25…125 A
output sustained overvoltage	1200 V
Surge current	1750 A 16.6 ms
Maximum voltage drop	<1.7 V on-state
thermal resistance	0.22 °C/W
Maximum I²t for fusing	12700 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.

Standards	IEC 60950-1 UL E258297 IEC 62314 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	00785901664017
Returnability	No
Country of origin	MX

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Longer

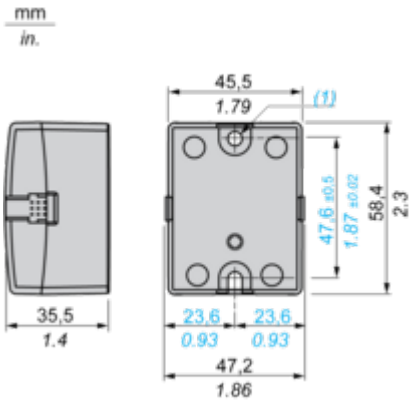
Lifetime extension

Repair	No

Dimensions Drawings

Dimensions

Panel Mounting

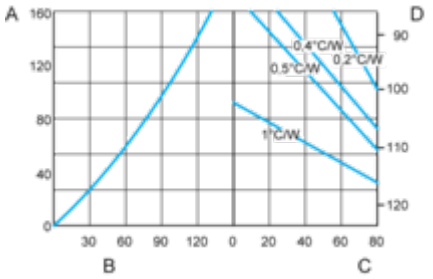


(1) Ø4.9 ±0.25 mm / Ø0.016 ±0.0098 in. hole

Performance Curves

Thermal Derating Curves

125 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