Product data sheet
Characteristics

SSRPP8S125A3
solid state relay - panel mounting - input 90-280 V AC, output 24-660 V AC, 125A

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	125 A
Output voltage	48...530 V AC
Control circuit voltage	90...280 V AC

Complementary

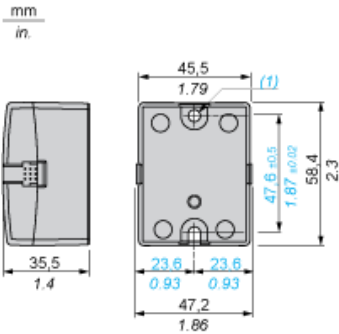|	
Contacts type and composition	1 NO
Tightening torque	<= 1.1 N.m for input <= 2.2 N.m for output
Local signalling	LED green for input status
Switching voltage	90 V AC turn-on 10 V AC turn-off
Input current limits	6 mA
Solid state output type	Zero voltage switching SCR output
Load current	0.25...125 A
Output sustained overvoltage	1200 V
Surge current	1750 A for 16.6 ms
Voltage drop	1.7 V on-state
Thermal resistance	0.22 °C/W
Maximum I²t for fusing	12700 A².s for 8.3 ms
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

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 (date code: YYWW)	Compliant - since 0940 - Schneider Electric declaration of conformity

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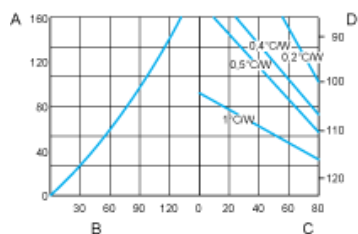

Dimensions

Panel Mounting

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

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.