

# SSRPCDS25A1

solid state relay - panel mounting - input 3-32 V DC, output 24-280 V AC, 25A



## 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	25 A
Output voltage	24...280 V AC
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...25 A
Output sustained overvoltage	600 V
Surge current	250 A for 16.6 ms
Voltage drop	1.6 V on-state
Thermal resistance	1.02 °C/W
Maximum I <sup>2</sup> t for fusing	260 A <sup>2</sup> .s for 8.3 ms
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

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

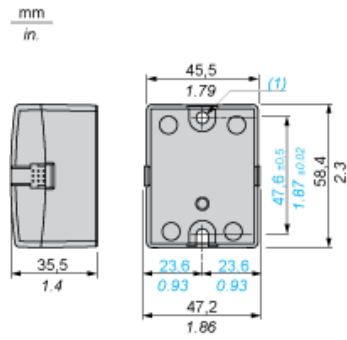
## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0940 - <a href="#">Schneider Electric declaration of conformity</a>

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Dimensions

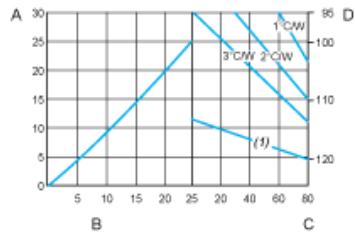
Panel Mounting



(1)  $\text{Ø}4.9 \pm 0.25 \text{ mm} / \text{Ø}0.016 \pm 0.0098 \text{ in. hole}$

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.