

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
Phase	1 phase
Mounting Support	Panel
Line Rated Current	25 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	For input status LED (green)
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 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	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	IEC 62314 CSA LR 40487 UL E258297 IEC 60950-1
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	00785901593362
Nbr. of units in pkg.	1
Package weight(Lbs)	0.26 lb(US) (0.12 kg)

Returnability	No
Country of origin	MX

Packing Units

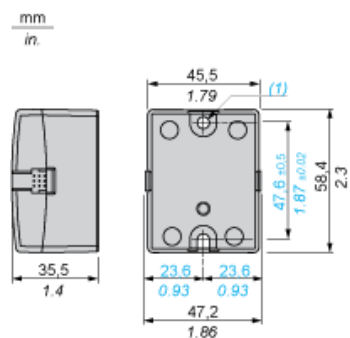
Package 1 Height	0.380 dm
Package 1 width	0.650 dm
Package 1 Length	0.480 dm

Contractual warranty

Warranty	18 months
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Dimensions

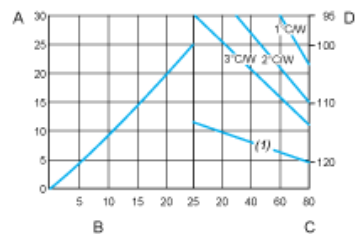
Panel Mounting



(1) $\varnothing 4.9 \pm 0.25$ mm / $\varnothing 0.16 \pm 0.0098$ 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.

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