

Product data sheet

Specifications



solid state relay - panel mounting -
input 3-32 V DC, output 24-280 V
AC, 50A

SSRPCDS50A1

⚠ Discontinued on: Jan 23, 2021

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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	50 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...50 A
output sustained overvoltage	600 V
Surge current	625 A 16.6 ms
Maximum voltage drop	<1.6 V on-state
thermal resistance	0.63 °C/W
Maximum I²t for fusing	1620 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

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	IEC 62314 UL E258297 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	00785901816324
Returnability	No
Country of origin	MX

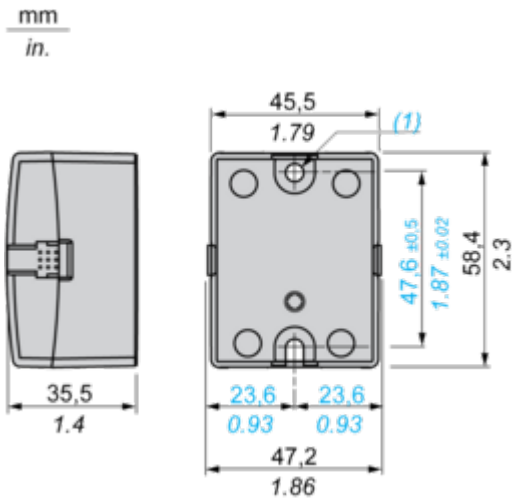
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Dimensions

Panel Mounting

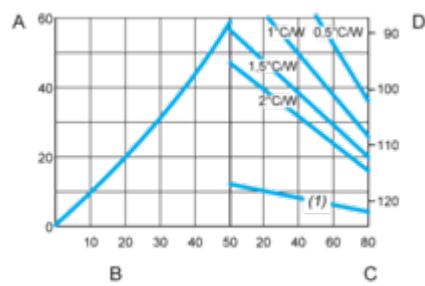


(1) Ø4.9 ±0.25 mm / Ø0.016 ±0.0098 in. hole

Performance Curves

Thermal Derating Curves

50 A Relays



A: Power dissipation

B: Load current (Arms)

C: Max. ambient temperature (°C)

D: Base plate temperature (°C)

(f) No heat sink

Note : These are typical curves, actual durability depends on load, environment, duty cycle, etc.

Technical Illustration

Dimensions

