

Product datasheet

Specifications



solid state relay - panel mounting -
input 3-32 V DC, output 3-100 V DC,
12A

SSRPCDM12D5

⚠ Discontinued on: 29 Jan 2021

⚠ Discontinued

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	12 A
Output voltage	3...100 V DC
[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	Without LED
Switching voltage	1 V DC turn-off 3.5 V DC turn-on
Input current limits	1.6...28 mA
Solid state output type	DC switching Mosfet output
Load current	0...12 A
Surge current	28 A for 10 ms
Maximum voltage drop	<1.6 V on-state
thermal resistance	1.34 °C/W
Maximum leakage current	0.2 mA off-state
Response time	0.1 ms (turn-on) 0.1 ms (turn-off)

Environment

Standards	CSA LR 40487 IEC 60950-1 UL E258297 IEC 62314
Marking	CE
IP degree of protection	IP20

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

Ambient air temperature for operation	-40...80 °C
Ambient air temperature for storage	-40...125 °C

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 >](#)

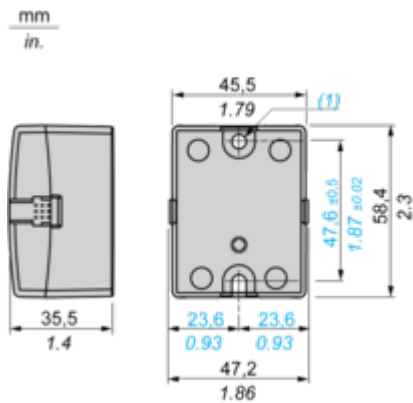
Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Dimensions

Panel Mounting

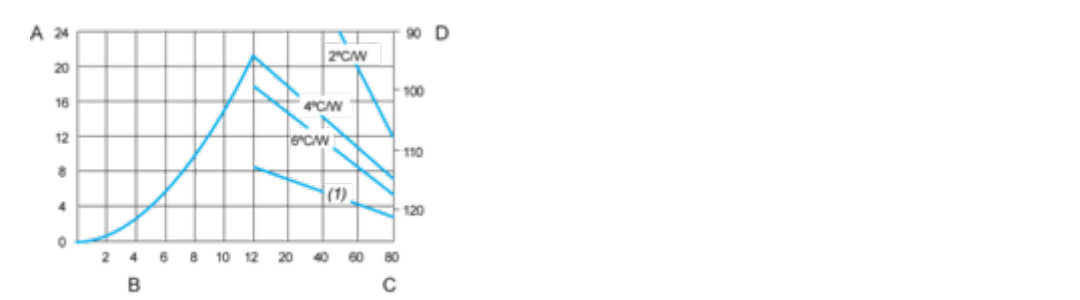


(1) Ø4.9 ±0.25 mm / Ø0.016 ±0.0098 in. hole

Performance Curves

Thermal Derating Curves

12 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.

Technical Illustration

Dimensions

