

SSRPCDM40D5

solid state relay - panel mounting - input 3-32 V DC, output 3-100 V DC, 40A



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	40 A
Output voltage	3...100 V DC
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	Mosfet output DC switching
Load current	0...40 A
Surge current	106 A for 10 ms
Voltage drop	2.1 V on-state
Thermal resistance	0.83 °C/W
Leakage current	<= 0.3 mA off-state
Response time	0.1 ms turn-on 0.1 ms 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

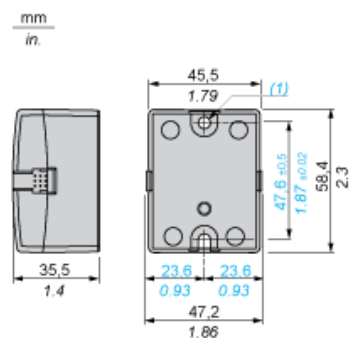
Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0940 - Schneider Electric declaration of conformity

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Dimensions

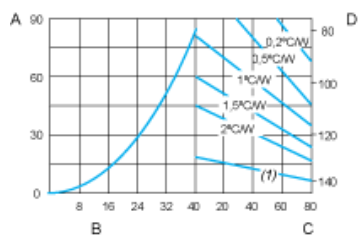
Panel Mounting



(1) $\varnothing 4.9 \pm 0.25 \text{ mm} / \varnothing 0.16 \pm 0.0098 \text{ in.}$ hole

Thermal Derating Curves

25 A and 40 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.