

# SSRPCDM25D5

solid state relay - panel mounting - input 3-32 V DC, output 3-100 V DC, 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            | 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<br><= 2.2 N.m for output |
| Local signalling              | Without LED                                   |
| Switching voltage             | 1 V DC turn-off<br>3.5 V DC turn-on           |
| Input current limits          | 1.6...28 mA                                   |
| Solid state output type       | Mosfet output<br>DC switching                 |
| Load current                  | 0...25 A                                      |
| Surge current                 | 51 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<br>0.1 ms turn-off             |

## Environment

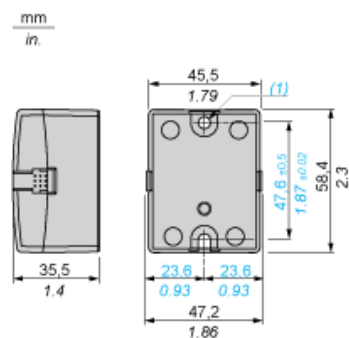
|                                       |                                                        |
|---------------------------------------|--------------------------------------------------------|
| Standards                             | UL E258297<br>CSA LR 40487<br>IEC 60950-1<br>IEC 62314 |
| Marking                               | 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> |

## Dimensions

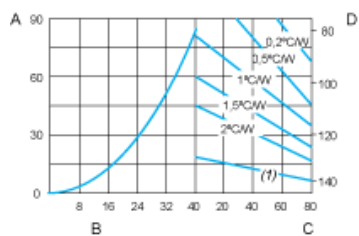
### Panel Mounting



(1)  $\varnothing 4.9 \pm 0.25$  mm /  $\varnothing 0.016 \pm 0.0098$  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.