

# SSRPP8S10A1

solid state relay - panel mounting - input  
90-280 V AC, output 24-280 V AC, 10A



## 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        | 10 A              |
| Output voltage            | 24...280 V AC     |
| Control circuit voltage   | 90...280 V AC     |

## Complementary

|                                     |                                               |
|-------------------------------------|-----------------------------------------------|
| Contacts type and composition       | 1 NO                                          |
| Tightening torque                   | <= 1.1 N.m for input<br><= 2.2 N.m for output |
| Local signalling                    | LED green for input status                    |
| Switching voltage                   | 90 V AC turn-on<br>10 V AC turn-off           |
| Input current limits                | 6 mA                                          |
| Solid state output type             | Zero voltage switching<br>SCR output          |
| Load current                        | 0.15...10 A                                   |
| Output sustained overvoltage        | 600 V                                         |
| Surge current                       | 120 A for 16.6 ms                             |
| Voltage drop                        | 1.6 V on-state                                |
| Thermal resistance                  | 1.48 °C/W                                     |
| Maximum I <sup>2</sup> t for fusing | 60 A <sup>2</sup> .s for 8.3 ms               |
| Leakage current                     | <= 10 mA off-state                            |
| DV/Dt                               | 500 V/μs off-state at maximum voltage         |
| Response time                       | 0.5 cycle turn-on<br>0.5 cycle turn-off       |

## Environment

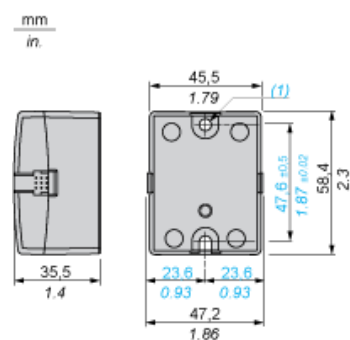
|                                       |                                                        |
|---------------------------------------|--------------------------------------------------------|
| Standards                             | UL E258297<br>CSA LR 40487<br>IEC 60950-1<br>IEC 62314 |
| Marking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



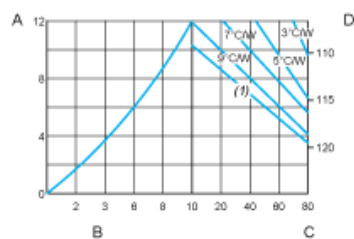
(1) Ø4.9 ±0.25 mm / Ø0.016 ±0.0098 in. hole

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Thermal Derating Curves

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10 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.