

# SSRDP8S30A1

solid state relay - DIN rail mount - input 90-280 V AC, output 24-280 V AC, 30A



## 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	Symmetrical DIN rail
[In] rated current	30 A
Output voltage	24...280 V AC
Control circuit voltage	90...280 V AC

## Complementary

Contacts type and composition	1 NO
Tightening torque	0.6...0.7 N.m for output 0.6...0.7 N.m for input
Connections - terminals	Screw terminals 1 x 0.2...1 x 5.3 mm <sup>2</sup> for output - AWG 24...AWG 10 Screw terminals 1 x 0.2...1 x 5.3 mm <sup>2</sup> for input - AWG 24...AWG 10
Local signalling	LED green for input status
Switching voltage	10 V AC turn-off 90 V AC turn-on
Input current limits	2...4 mA
Solid state output type	Zero voltage switching SCR output
Load current	0.15...30 A
Output sustained overvoltage	600 V
Surge current	625 A for 16.6 ms
Voltage drop	1.6 V on-state
Maximum I <sup>2</sup> t for fusing	1620 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-off 0.5 cycle turn-on

## Environment

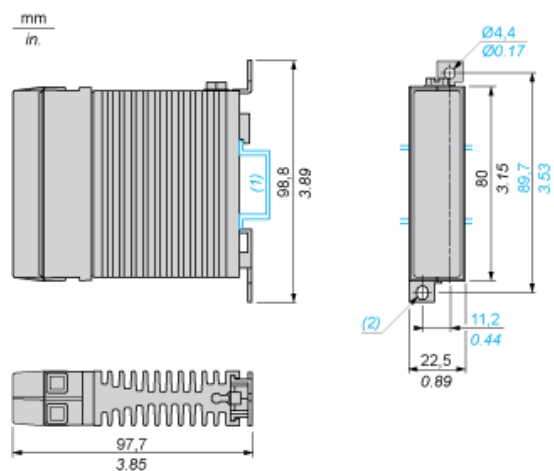
Standards	UL E258297 CSA LR 40487 IEC 60950-1 IEC 62314
Marking	CE
IP degree of protection	IP20
Ambient air temperature for operation	-40...80 °C
Ambient air temperature for storage	-40...125 °C

## Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0940 - <a href="#">Schneider Electric declaration of conformity</a>

## Dimensions

### DIN Rail Mounting



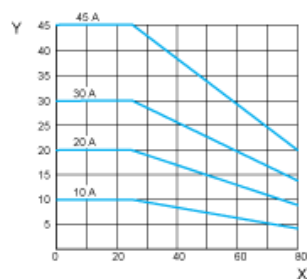
- (1) 35 mm/1.37 in. DIN rail.  
(2) Ø 4.4 mm x 5.5 mm / Ø 0.17 in. x 0.22 in. elongated hole

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Thermal Derating Curves

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10...45 A Relays



X Ambient temperature (°C)

Y Output current (Arms)

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