

Product data sheet

Specifications



solid state relay - DIN rail mount -
input 90-280 V AC, output 24-280 V
AC, 20A

SSRDP8S20A1

⚠ Discontinued on: Jan 29, 2021

⚠ Discontinued

Main

Range Of Product	Zelio Relay
Product Or Component Type	Solid state relay
Device Short Name	SSR
Phase	1 phase
Mounting Support	Symmetrical DIN rail
Line Rated Current	20 A
Output Voltage	24...280 V AC
[Uc] Control Circuit Voltage	90...280 V AC

Complementary

Contacts Type And Composition	1 NO
Tightening Torque	0.6...0.7 N.m for input 0.6...0.7 N.m for output
Connections - Terminals	Screw terminals 1 x 0.2...1 x 5.3 mm ² input - AWG 24...AWG 10 Screw terminals 1 x 0.2...1 x 5.3 mm ² output - AWG 24...AWG 10
Local Signalling	for input status LED (green)
Switching Voltage	90 V AC turn-on 10 V AC turn-off
Input Current Limits	2...4 mA
Solid State Output Type	Zero voltage switching SCR output
Load Current	0.15...20 A
Output Sustained Overvoltage	600 V
Surge Current	250 A 16.6 ms
Maximum Voltage Drop	<1.6 V on-state
Maximum I ² T For Fusing	260 A ² .s 8.3 ms
Maximum Leakage Current	10 mA off-state
Dv/Dt	500 V/μs off-state at maximum voltage
Response Time	0.5 cycle (turn-on) 0.5 cycle (turn-off)

Environment

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Standards	CSA LR 40487 IEC 60950-1 IEC 62314 UL E258297
Marking	CE
Ip Degree Of Protection	IP20
Ambient Air Temperature For Operation	-40...176 °F (-40...80 °C)
Ambient Air Temperature For Storage	-40...257 °F (-40...125 °C)

Ordering and shipping details

Category	22375-INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
Gtin	00785901868996
Returnability	No
Country Of Origin	MX

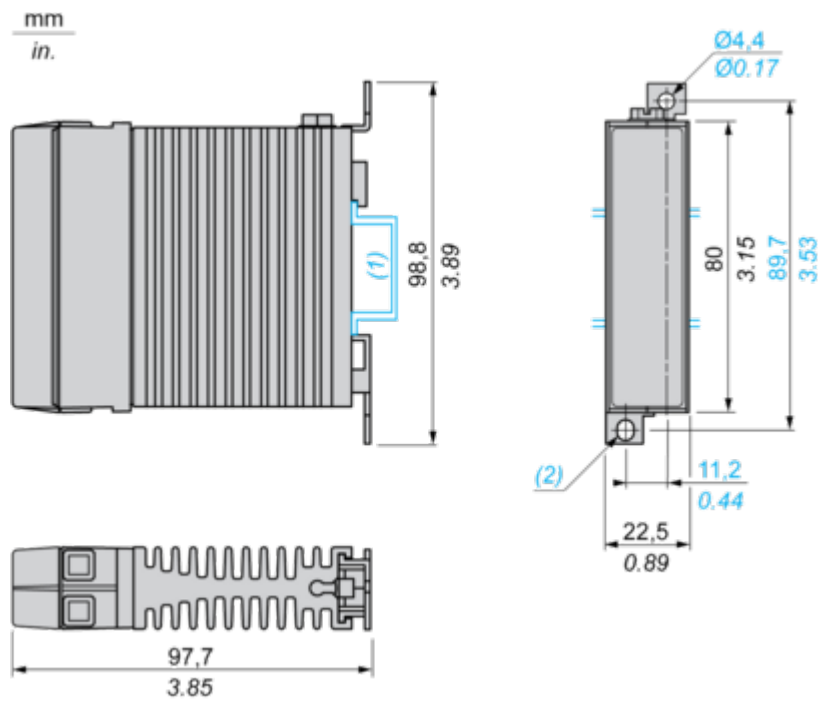
Contractual warranty

Warranty	18 months
----------	-----------

Dimensions Drawings

Dimensions

DIN Rail Mounting

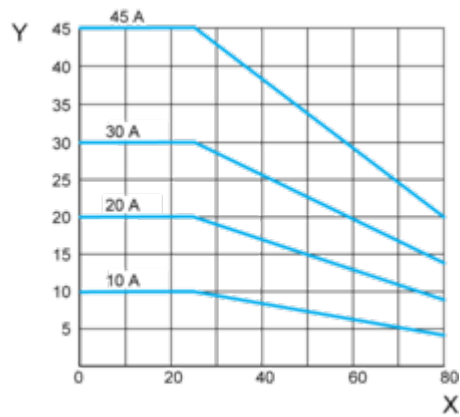


- (1) 35 mm/1.37 in. DIN rail.
(2) Ø 4.4 mm x 5.5 mm / Ø 0.17 in. x 0.22 in. elongated hole

Performance Curves

Thermal Derating Curves

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.