

SSRPP8S90A3

solid state relay - panel mounting - input
90-280 V AC, output 24-660 V AC, 90A



Main

Range of Product	Zelio Relay
Product or Component Type	Solid state relay
Device short name	SSR
Phase	1 phase
Mounting Support	Panel
Line Rated Current	90 A
Output voltage	48...660 V AC
[Uc] control circuit voltage	90...280 V AC

Complementary

Contacts type and composition	1 NO
Tightening torque	<= 1.1 N.m for input <= 2.2 N.m for output
Local signalling	For input status LED (green)
Switching voltage	90 V AC turn-on 10 V AC turn-off
Input current limits	6 mA
Solid state output type	Zero voltage switching SCR output
Load current	0.25...90 A
Output sustained overvoltage	1200 V
Surge current	1200 A 16.6 ms
Maximum voltage drop	<1.7 V on-state
Thermal resistance	0.28 °C/W
Maximum I²t for fusing	6000 A².s 8.3 ms
Maximum leakage current	5 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

Standards	IEC 60950-1 CSA LR 40487 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	3606480076329
Nbr. of units in pkg.	1
Package weight(Lbs)	4.37 oz (124 g)

Returnability	No
Country of origin	MX

Packing Units

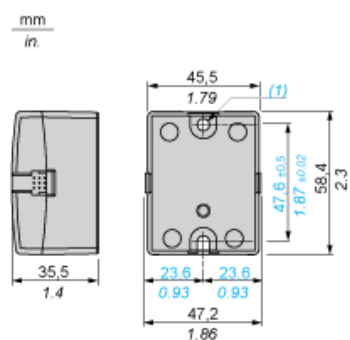
Unit Type of Package 1	PCE
Package 1 Height	1.89 in (4.8 cm)
Package 1 width	2.48 in (6.3 cm)
Package 1 Length	1.50 in (3.8 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	30
Package 2 Weight	8.70 lb(US) (3.945 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

Contractual warranty

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

Dimensions

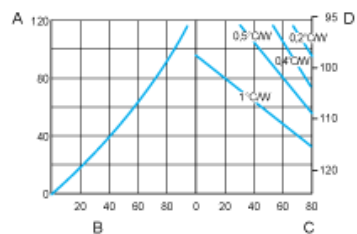
Panel Mounting



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

Thermal Derating Curves

90 A Relays



- A: Power dissipation
B: Load current (Arms)
C: Max. ambient temperature (°C)
D: Base plate temperature (°C)

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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[SSRPP8S90A3](#)