

# SSP1A475M7T

Solid state panel mount relay, 75 A, zero voltage switching, thermal pad, input 90...280 V AC, output 48...660 V AC

Product availability : Non-Stock - Not normally stocked in distribution facility



Price\* : 62.54 USD



## Main

Range of product	Harmony Relay
Product or component type	Solid state relay
Provided accessory	Thermal pad
Device short name	SSP1
Number of phases	1 phase
Contacts type and configuration	1 NO
Line Rated Current	75 A
Solid state output type	SCR output Zero voltage switching

## Complementary

[Uc] control circuit voltage	90...280 V AC
Minimum switching voltage	90 V AC turn-on
Maximum switching voltage	10 V AC turn-off
Response time	30 ms turn-off) 25 ms turn-on)
Input current	5...10 mA
Output voltage	48...660 V
Load current	0.15...75 A
Transient overvoltage	1200 V
Surge current	1000 A 16.6 ms
Maximum I <sup>2</sup> t for fusing	4150 A <sup>2</sup> .s 8.33 ms 60 Hz 4555 A <sup>2</sup> .s 10 ms 50 Hz
Co-ordination type	Type 1 - 50 A miniature circuit breaker (MCB) B Type 2 - 40 A miniature circuit breaker (MCB) B

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

Maximum leakage current	1 mA off-state
Maximum voltage drop	<1.15 V on-state
DV/Dt	500 V/ $\mu$ s off-state at maximum voltage
Power factor	0.5 with maximum load)
Motor controller rating	1.5 hp 120 V AC 3 hp 240 V AC 7.5 hp 480 V AC
Insulation resistance	1000 MOhm 500 V DC
Maximum capacitance	8 pF input/output
Dielectric strength	4 kV AC input/output 4 kV AC input or output to case
[Uimp] rated impulse withstand voltage	6 kV output to case 6 kV input to output
Tightening torque	1.5...1.7 N.m input 2...2.2 N.m output
Connections - terminals	Screw terminals 0.2...3.3 mm <sup>2</sup> , AWG 24...AWG 12) with cable end input Screw terminals 0.5...5.26 mm <sup>2</sup> , AWG 20...AWG 10) with cable end output Screw terminals 0.2...3.3 mm <sup>2</sup> , AWG 24...AWG 12) without cable end input Screw terminals 0.5...8.26 mm <sup>2</sup> , AWG 20...AWG 8) without cable end output Forked type tag connectors 9.2 x 4 mm input Ring lugs 9.2 x 4 mm input Forked type tag connectors 11.7 x 4.5 mm output Ring lugs 11.7 x 4.5 mm output
Thermal resistance	0.3 °C/W junction to case
Thermal pad impedance	0.48 °C-in <sup>2</sup> /W at 25 psi
LED indicator	LED, green input
IP degree of protection	IP20
Safety reliability data	MTTFd = 1875.9 years B10d = 1731395
Net Weight	3.15 oz (89.2 g)
Device presentation	Complete product

## Environment

Ambient air temperature for operation	-40...176 °F (-40...80 °C)
Ambient air temperature for storage	-40...257 °F (-40...125 °C)
Pollution degree	2
Oversvoltage category	III
Product certifications	EAC CE UL CSA REACH RoHS
Marking	UL EAC CSA CE
Standards	UL 508 CSA C22.2 No 14-13 EN/IEC 60950-1 EN/IEC 62314

## Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901665694
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No

Country of origin	MX
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### Packing Units

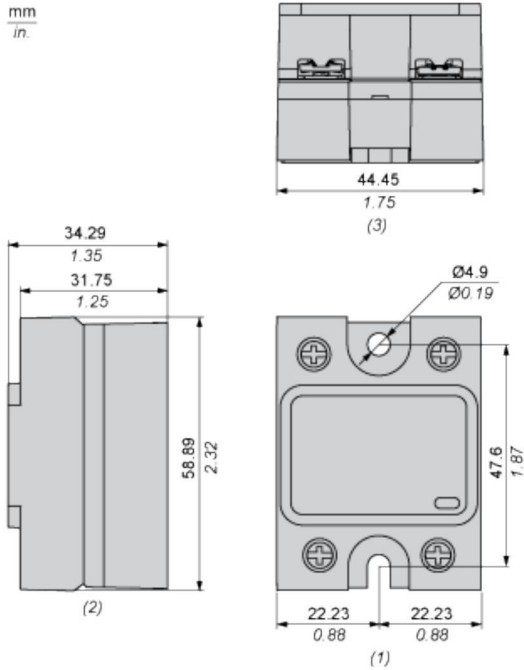
Package 1 Height	0.400 dm
Package 1 width	0.470 dm
Package 1 Length	0.650 dm

### Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

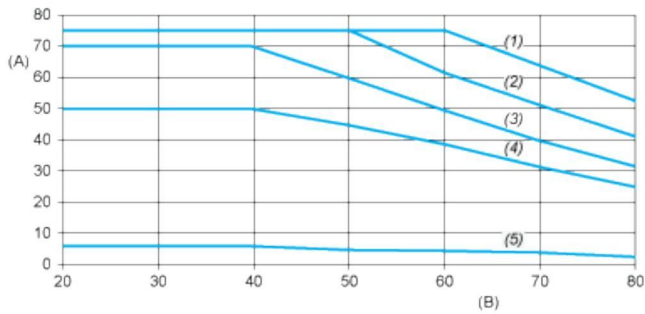
Dimensions

mm  
in.



- (1) Front view
- (2) Side view
- (3) Bottom view

Derating Curves



- A : Load Current (Arms)
- B : Ambient Temperature (°C)
- (1) For Heatsink SSRHP02
- (2) For Heatsink SSRHP05
- (3) For Heatsink SSRHP07
- (4) For Heatsink SSRHD10
- (5) No Heatsink