

Product data sheet

Characteristics

SSM3A325BD

solid state relay - DIN rail mount - input 4-32Vdc, output 48-600Vac, 25A

Product availability : Stock - Normally stocked in distribution facility

Price* : 124.35 USD



Main

Range of product	Harmony Relay
Product or component type	Solid state relay
Device short name	SSM3
Number of channels	3
Number of phases	3 phase

Complementary

Mounting support	Symmetrical DIN rail
Output voltage	48...600 V AC
[Uc] control circuit voltage	4...32 V DC
Contacts type and configuration	3 NO
Tightening torque	0.6...0.7 N.m input 1.36...1.7 N.m output
Connections - terminals	Screw terminals 0.2...1.3 mm ² , AWG 24...AWG 16) input Screw terminals 1.3...5.3 mm ² , AWG 16...AWG 10) output
Maximum capacitance	8 pF input/output
Insulation resistance	1000 MOhm
Local signalling	Input status LED green)
Switching voltage	4 V DC turn-on 1 V DC turn-off
Input current	22...28 mA
Solid state output type	Zero voltage switching
Load current	0.1...25 A
Transient overvoltage	1100 V
Surge current	286 A 20 ms 50 Hz 300 A 16.6 ms 60 Hz
Maximum voltage drop	<1.35 V on-state
Maximum Horse Power Rating	1 hp 104 °F (40 °C) 240 V AC 2 hp 104 °F (40 °C) 380 V AC 3 hp 104 °F (40 °C) 480 V AC
Maximum I ² t for fusing	410 A ² .s 10 ms 50 Hz

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

Sep 30, 2020

	374 A ² .s 8.3 ms 60 Hz
Maximum leakage current	0.25 mA off-state
DV/Dt	500 V/ μ s off-state at maximum voltage
Response time	0.5 cycle turn-on) 0.5 cycle turn-off)
Power factor	0.5 with maximum load)
Overvoltage category	III
Net Weight	1.63 lb(US) (0.74 kg)

Environment

Dielectric strength	4 kV AC input/output 4 kV AC input or output to case
Pollution degree	2
Standards	CSA C22.2 No 14 IEC 60950-1 UL 508
Product certifications	CSA UL EAC
Marking	EAC CSA UL CE
IP degree of protection	IP20
Ambient air temperature for operation	-4...176 °F (-20...80 °C)
Ambient air temperature for storage	-40...212 °F (-40...100 °C)

Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901447733
Nbr. of units in pkg.	1
Package weight(Lbs)	1.76 lb(US) (0.80 kg)
Returnability	Yes
Country of origin	MX

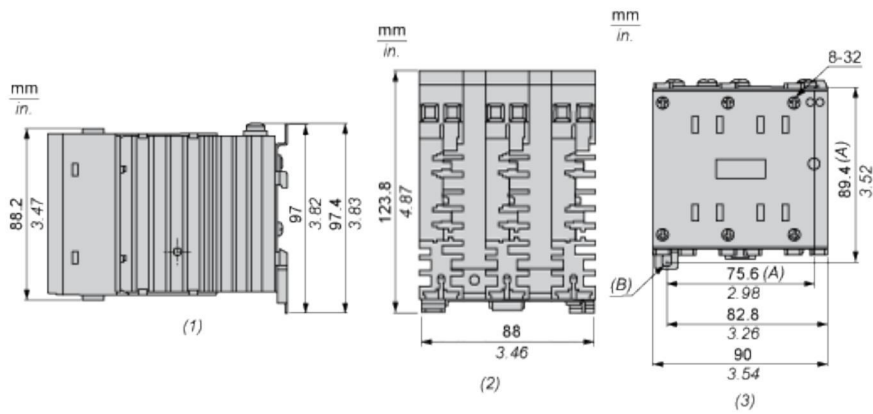
Packing Units

Package 1 Height	1.400 dm
Package 1 width	1.100 dm
Package 1 Length	1.100 dm

Offer Sustainability

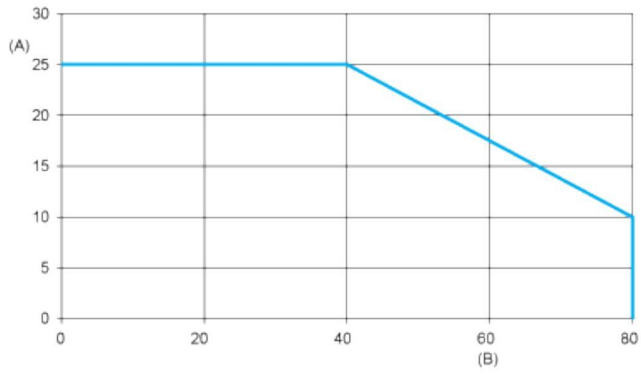
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Dimensions



- (1) Side view
- (2) Top view
- (3) Front view
- (A) Mounting hole
- (B) Mounting hole / slot

Derating Curves



A : Output Current (Arms)
B : Ambient Temperature (°C)