

# SSM2A16BD

solid state relay - DIN rail mount - input 4-32 V DC, output 24-280 V AC ,6A



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



## Main

Range of product	Harmony Relay
Product or component type	Solid state relay
Device short name	SSM
Number of channels	2
Number of phases	2 phases

## Complementary

Mounting support	Symmetrical DIN rail
Line Rated Current	6 A
Output voltage	24...280 V AC
[Uc] control circuit voltage	4...32 V DC
Contacts type and configuration	2 NO
Tightening torque	0.5...0.8 N.m input 0.5...0.8 N.m output
Connections - terminals	Screw terminals 1 x 0.3...1 x 1.5 mm <sup>2</sup> , AWG 22...AWG 16) input Screw terminals 1 x 0.3...1 x 2.5 mm <sup>2</sup> , AWG 22...AWG 14) output
Maximum capacitance	10 pF input/output
Insulation resistance	1000 MOhm 500 V DC
Local signalling	Input status LED green)
Minimum switching voltage	4 V DC turn-on
Maximum switching voltage	1 V DC turn-off
Input current	14...16.87 mA
Solid state output type	SCR output Zero voltage switching
Load current	0.15...6 A
Transient overvoltage	600 V
Surge current	715 A 16.6 ms 750 A 20 ms
Maximum voltage drop	<1.3 V on-state
Maximum Horse Power Rating	0.16 hp 104 °F (40 °C) 240 V AC
Maximum I <sup>2</sup> t for fusing	2560 A <sup>2</sup> .S 10 ms 50 Hz 2330 A <sup>2</sup> .s 8.33 ms 60 Hz
Maximum leakage current	0.1 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)
Power factor	0.5 with maximum load)
Overvoltage category	III
Width	0.71 in (18 mm)
Height	3.56 in (90.3 mm)
Depth	3.32 in (84.4 mm)
Product weight	0.20 lb(US) (0.09 kg)

## Environment

Flame retardance	V0 UL 94
Dielectric strength	2.5 KV AC input/output 2.5 kV AC input or output to case
Pollution degree	2
Standards	IEC 61000 IEC 60950-1 IEC 62314
Product certifications	REACH CSA UL
Marking	CE
IP degree of protection	IP20
Ambient air temperature for operation	-22...176 °F (-30...80 °C)
Ambient air temperature for storage	-22...212 °F (-30...100 °C)

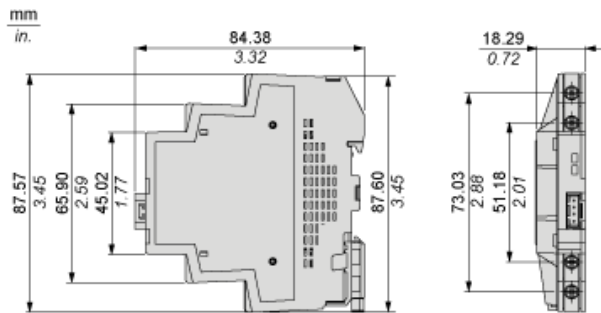
## Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901978121
Package weight(Lbs)	0.05 kg (0.11 lb(US))
Returnability	No
Country of origin	MX

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause Carcinogen & Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>
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>

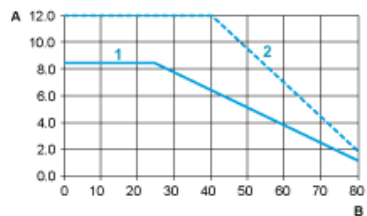
## Dimensions



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Derating Curves

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A : Load Current (Amperes)

B : Ambient Temperature (°C)

1 : Multiple units, no minimum spacing between components

2 : Installed single unit, distance to adjacent components more than 18 mm