# Product data sheet

Specifications





## Solid state modular relay, 6 A, zero voltage switching, input 4...32 V DC, output 48…600 V AC

SSM2A36BD

() Discontinued on: Dec 2, 2020

(!) End-of-service on: Dec 31, 2020

### 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

Complementaly	
Mounting Support	Symmetrical DIN rail
Line Rated Current	6 A
Output Voltage	48600 V AC
[Uc] Control Circuit Voltage	432 V DC
Contacts Type And Configuration	2 NO
Tightening Torque	0.50.8 N.m for input 0.50.8 N.m for output
Connections - Terminals	Screw terminals 1 x 0.31 x 1.5 mm <sup>2</sup> , AWG 22AWG 16) input Screw terminals 1 x 0.31 x 2.5 mm <sup>2</sup> , AWG 22AWG 14) output
Maximum Capacitance	10 pF for input/output
Insulation Resistance	1000 MOhm at 500 V DC
Local Signalling	for input status LED (green)
Minimum Switching Voltage	4 V DC turn-on
Maximum Switching Voltage	1 V DC turn-off
Input Current	1416.87 mA
Solid State Output Type	Zero voltage switching SCR output
Load Current	0.156 A
Transient Overvoltage	1200 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 for 10 ms at 50 Hz 2330 A <sup>2</sup> .s for 8.33 ms at 60 Hz

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	0.25 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	0.7 in (18 mm)	
Height	3.6 in (90.3 mm)	
Depth	3.32 in (84.4 mm)	
Net Weight	0.20 lb(US) (0.09 kg)	

#### Environment

Flame Retardance	V0 conforming to UL 94 2.5 kV AC for input/output 2.5 kV AC for input or output to case	
Dielectric Strength		
Pollution Degree	2	
Standards	IEC 62314 IEC 60950-1 IEC 61000	
Product Certifications	CSA UL	
Marking	CE	
Ip Degree Of Protection	IP20	
Ambient Air Temperature For Operation	-22176 °F (-3080 °C)	
Ambient Air Temperature For Storage	-22212 °F (-30100 °C)	

# Ordering and shipping details

Category	22375-INTERFACE MODULE(ABA,R,S)	
Discount Schedule	CP2	
Gtin	3606480579776	
Returnability	No	
Country Of Origin	MX	

# **Packing Units**

Unit Type Of Package 1	PCE	
Number Of Units In Package 1	1	
Package 1 Height	3.5 in (8.8 cm)	
Package 1 Width	0.8 in (2 cm)	
Package 1 Length	3.7 in (9.3 cm)	
Package 1 Weight	3.6 oz (102 g)	

### Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

#### Well-being performance

Mercury Free

Rohs Exemption Information

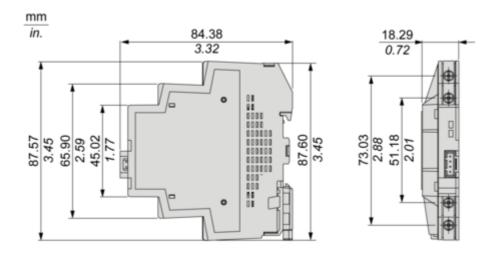
### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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 cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

### Product data sheet

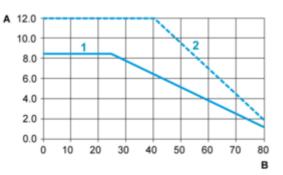
#### **Dimensions Drawings**

#### Dimensions



Performance Curves

#### **Derating Curves**



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