Product data sheet

Specification





single phase relay, Harmony Solid State Modular Relays, 6A, DIN rail mount, zero voltage switching, input 4 to 32V DC, output 48 to 600V AC

SSM1A36BD

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

Price*: 30.50 USD

Main

Range Of Product	Harmony Solid State Relays	
Product Or Component Type	Modular DIN rail relay	
Device Short Name	SSM	
Number Of Channels	1	
Number Of Phases	1 phase	
Output Switching Mode	Zero voltage switching	

Complementary

Mounting Support	Symmetrical DIN rail
Line Rated Current	6 A
Output Voltage	48600 V AC
[Uc] Control Circuit Voltage	432 V DC
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 mm², AWG 22AWG 16) input Screw terminals 1 x 0.31 x 2.5 mm², 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	811 mA
Solid State Output Type	Zero voltage switching SCR output
Load Current	0.156 A
Transient Overvoltage	1200 V
Surge Current	285 A 16.6 ms 300 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

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

Maximum I ² T For Fusing	410 A ² .s for 10 ms at 50 Hz
	375 A ² .s for 8.33 ms at 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	0.4 in (11 mm)
Height	3.6 in (90.3 mm)
Test Button	Without test button
Depth	3.3 in (83.7 mm)
Net Weight	0.11 lb(US) (0.05 kg)

Environment

Flame Retardance	V0 conforming to UL 94
Dielectric Strength	4 kV AC for input/output 4 kV AC for input or output to case
Pollution Degree	2
Standards	IEC 62314 IEC 61000 IEC 60950-1
Product Certifications	UL CSA
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	US10CP222375
Discount Schedule	0CP2
Gtin	3606480579400
Returnability	No
Country Of Origin	MX

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	0.787 in (2.000 cm)
Package 1 Width	3.543 in (9.000 cm)
Package 1 Length	3.543 in (9.000 cm)
Package 1 Weight	2.257 oz (64.000 g)
Unit Type Of Package 2	S02

Number Of Units In Package 2	96
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	14.55 lb(US) (6.600 kg)



Green PremiumTM 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-CO₂ products.

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

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

	Reach Free Of Svhc	
②	Mercury Free	
⊘	Rohs Exemption Information	Yes

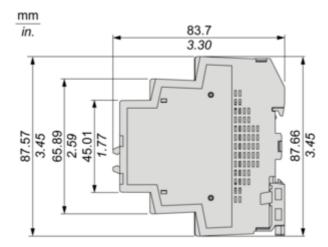
Certifications & Standards

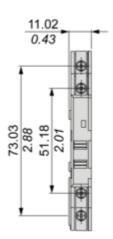
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Circularity Profile	End of Life Information
Environmental Disclosure	Product Environmental Profile
China Rohs Regulation	China RoHS declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Reach Regulation	REACh Declaration

SSM1A36BD

Dimensions Drawings

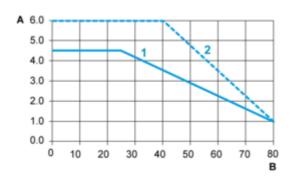
Dimensions





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 11 mm