Product data sheet

Specification





single phase relay, Harmony Solid State Modular Relays, 12A, DIN rail mount, DC switching, input 4 to 32V DC, output 1 to 60V DC, 1NO

SSM1D212BD

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

Price*: 40.10 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	DC switching	

Complementary

Mounting Support	Symmetrical DIN rail	
Line Rated Current	12 A	
Output Voltage	160 V DC	
[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	911 mA	
Solid State Output Type	DC switching Mosfet output	
Load Current	0.002512 A	
Transient Overvoltage	60 V	
Surge Current	100 A 10 ms	
Maximum Voltage Drop	<0.5 V on-state	
Resistance	0.045 Ohm on-state	
Maximum Leakage Current	0.1 mA off-state	

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

Response Time	0.6 ms (turn-on) 0.3 ms (turn-off)	
Overvoltage Category	III	
Width	0.7 in (18 mm)	
Height	3.6 in (90.3 mm)	
Test Button	Without test button	
Depth	3.3 in (83.7 mm)	
Net Weight	0.20 lb(US) (0.09 kg)	

Environment

Flame Retardance	V0 conforming to UL 94	
Dielectric Strength	4 kV DC for input/output 4 kV DC for input or output to case	
Pollution Degree	2	
Standards	IEC 61000 IEC 60950-1 IEC 62314	
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	US10CP222375	
Discount Schedule	0CP2	
Gtin	3606480579462	
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	3.740 in (9.500 cm)	
Package 1 Weight	3.139 oz (89.000 g)	
Unit Type Of Package 2	S02	
Number Of Units In Package 2	72	
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	15.867 lb(US) (7.197 kg)	



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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

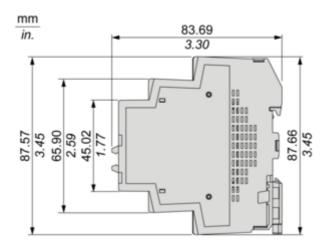
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California Proposition 65	WARNING: This product 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

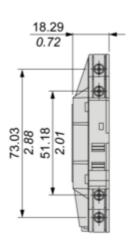
Product data sheet

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Dimensions Drawings

Dimensions



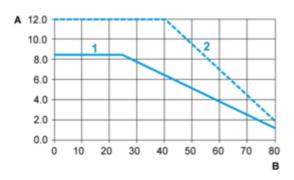


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Performance Curves

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