Product datasheet

Specification





solid state relay - DIN rail mount - input 4-32 V DC, output 1-100 V DC ,6A

SSM1D36BD

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	
[In] Rated Current	6 A	
Output Voltage	1100 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) for input Screw terminals: 1 x 0.31 x 2.5 mm², (AWG 22AWG 14) for output	
Maximum Capacitance	10 pF for input/output	
Insulation Resistance	1000 MOhm at 500 V DC	
Local Signalling	LED (green) for input status	
Minimum Switching Voltage	4 V DC turn-on	
Maximum Switching Voltage	1 V DC turn-off	
Input Current	811 mA	
Solid State Output Type	Mosfet output DC switching	
Load Current	0.00256 A	
Transient Overvoltage	100 V	
Surge Current	60 A for 10 ms	
Maximum Voltage Drop	<0.6 V on-state	
Resistance	0.1 Ohm on-state	
Maximum Leakage Current	0.1 mA off-state	
Response Time	0.6 ms (turn-on) 0.3 ms (turn-off)	
Overvoltage Category	III	

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

Width	11 mm
Height	90.3 mm
Test Button	Without test button
Depth	83.7 mm
Net Weight	0.05 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 62314 IEC 61000 IEC 60950-1	
Product Certifications	UL CSA	
Marking	CE	
Ip Degree Of Protection	IP20	
Ambient Air Temperature For Operation	-3080 °C	
Ambient Air Temperature For Storage	-30100 °C	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.000 cm
Package 1 Width	9.000 cm
Package 1 Length	9.000 cm
Package 1 Weight	65.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	96
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	6.400 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.

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

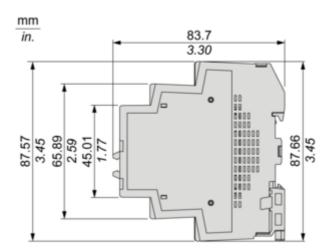
Certifications & Standards

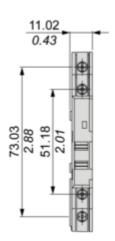
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

SSM1D36BD

Dimensions Drawings

Dimensions



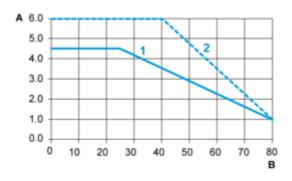


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Performance Curves

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 11 mm