Product datasheet
Characteristics

SSM1D36BD

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

Green Premium Product

Main

Range of product	Zelio Relay
Product or component type	Solid state relay
Device short name	SSM
Number of channels	1
Network number of phases	1 phase

Complementary

Mounting support	Symmetrical DIN rail
[In] rated current	6 A
Output voltage	1...100 V DC
[Uc] control circuit voltage	4...32 V DC
Contacts type and composition	1 NO
Tightening torque	Input : 0.5...0.8 N.m Output : 0.5...0.8 N.m
Connections - terminals	Screw terminals : 1 x 0.3...1 x 1.5 mm², (AWG 22...AWG 16) for input Screw terminals : 1 x 0.3...1 x 2.5 mm², (AWG 22...AWG 14) for output
Capacitance unbalance	<= 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 limits	8...11 mA
Solid state output type	Mosfet output DC switching
Load current	0.0025...6 A
Absolute maximum voltage	100 V
Surge current	<= 60 A for 10 ms
Voltage drop	<= 0.6 V on-state
Resistance	0.1 Ohm on-state
Leakage current	<= 0.1 mA off-state
Response time	0.6 ms turn-on 0.3 ms turn-off
Overvoltage category	III
Width	11 mm
Height	90.3 mm
Depth	83.7 mm
Product 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

Schneider Electric

| standards	IEC 61000
	IEC 60950-1
	IEC 62314
product certifications	CSA
	UL
	REACH
marking	CE
IP degree of protection	IP20
ambient air temperature for operation	-30...80 °C
ambient air temperature for storage	-30...100 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1328 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Dimensions
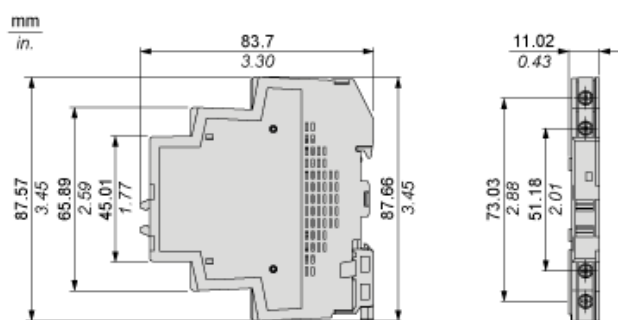
Derating Curves
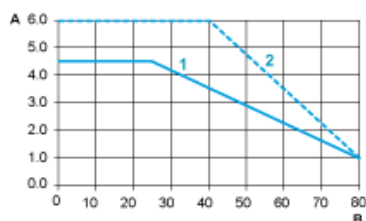
A : Load Current (Amperes)

B : Ambient Temperature (°C)

1 : Multiple units, no minimum spacing between components

2 : Installed single unit, distance to adjacent components more than 11 mm