

Product data sheet

Specifications



Solid state modular relay, Harmony, 6A, DIN rail mount, DC switching, input 4...32V DC, output 1...60V DC

SSM1D26BD

Main

Range of product	Harmony Solid State Relays
Product or component type	Solid state relay up to 10 A
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	1...60 V DC
[Uc] control circuit voltage	4...32 V DC
Tightening torque	0.5...0.8 N.m for input 0.5...0.8 N.m for output
Connections - terminals	Screw terminals: 1 x 0.3...1 x 1.5 mm ² , (AWG 22...AWG 16) for input Screw terminals: 1 x 0.3...1 x 2.5 mm ² , (AWG 22...AWG 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	8...11 mA
Solid state output type	Mosfet output DC switching
Load current	0.0025...6 A
Transient overvoltage	60 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
Width	11 mm
Height	90.3 mm
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 61000 IEC 62314 IEC 60950-1
Product certifications	UL CSA
Marking	CE
IP degree of protection	IP20
Ambient air temperature for operation	-30...80 °C
Ambient air temperature for storage	-30...100 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2 cm
Package 1 Width	9 cm
Package 1 Length	9 cm
Package 1 Weight	61 g
Unit Type of Package 2	S02
Number of Units in Package 2	96
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	6.26 kg

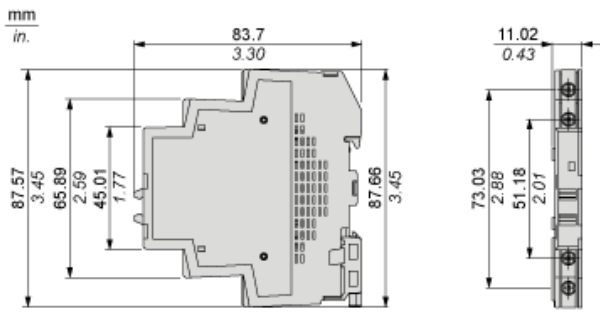
Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

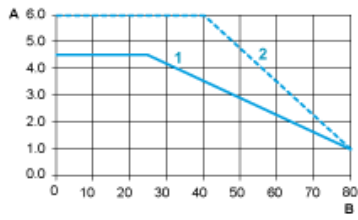
California proposition 65

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

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

Recommended replacement(s)