

SSM1A312BD

solid state relay - DIN rail mount - input 4-32 V DC, output 48-600 V AC ,12A

Product availability : Stock - Normally stocked in distribution facility



Price* : 34.60 USD



Main

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

Complementary

Mounting support	Symmetrical DIN rail
Line Rated Current	12 A
Output voltage	48...600 V AC
Control circuit voltage	4...32 V DC
Contacts type and composition	1 NO
Tightening torque	4.42...7.08 lbf.in (0.5...0.8 N.m) input 4.42...7.08 lbf.in (0.5...0.8 N.m) output
Connections - terminals	Screw terminals : 1 x 0.3...1 x 1.5 mm ² , (AWG 22...AWG 16) input Screw terminals : 1 x 0.3...1 x 2.5 mm ² , (AWG 22...AWG 14) output
Capacitance unbalance	<= 10 pF input/output
Insulation resistance	1000 MOhm at 500 V DC
Local signalling	LED green input status
Switching voltage	>= 4 V DC turn-on <= 1 V DC turn-off
Input current limits	9...11 mA
Solid state output type	Zero voltage switching SCR output
Load current	0.00015...12 A
Absolute maximum voltage	1200 V
Surge current	<= 715 A 16.6 ms

	<= 750 A 20 ms
Voltage drop	<= 1.3 V on-state
Motor power hp	0.33 hp at 104 °F (40 °C) 240 V AC
Maximum I ² t for fusing	2560 A ² .s 10 ms at 50 Hz half cycle 2330 A ² .s 8.33 ms at 60 Hz half cycle
Leakage current	<= 0.2 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
Cos phi	>= 0.5 with maximum load
Overvoltage category	III
Width	0.71 in (18 mm)
Height	90.3 mm
Depth	83.7 mm
Product weight	0.2 lb(US) (0.09 kg)

Environment

Flame retardance	Conforming to UL 94
Dielectric strength	4 kV AC input/output 4 kV AC input or output to case
Pollution degree	2
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	-22...176 °F (-30...80 °C)
Ambient air temperature for storage	-22...212 °F (-30...100 °C)

Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901970873
Nbr. of units in pkg.	1
Package weight(Lbs)	0.22
Returnability	Y
Country of origin	MX

Offer Sustainability

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