

# SSM1A36BDR

solid state relay - DIN rail mount - input 4-32 V DC, output 48-600 V AC ,6A



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



## 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	6 A
Output voltage	48...600 V AC
[Uc] control circuit voltage	4...32 V DC
Contacts type and configuration	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 mm <sup>2</sup> , (AWG 22...AWG 16) input Screw terminals : 1 x 0.3...1 x 2.5 mm <sup>2</sup> , (AWG 22...AWG 14) output
Maximum capacitance	10 pF input/output
Insulation resistance	1000 MOhm at 500 V DC
Local signalling	LED green 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	SCR output Random voltage switching
Load current	0.15...6 A
Transient overvoltage	1200 V
Surge current	285 A for 16.6 ms 300 A for 20 ms
Voltage drop	<= 1.3 V on-state
Motor power hp	0.16 hp at <= 40 °C 240 V AC
Maximum I <sup>2</sup> t for fusing	375 A <sup>2</sup> .s 8.33 ms at 60 Hz half cycle 410 A <sup>2</sup> .s 10 ms at 50 Hz half cycle
Leakage current	<= 0.1 mA off-state
DV/dt	500 V/μs off-state at maximum voltage
Response time	0.5 cycle turn-off 0.1 ms turn-on
Power factor	0.5 with maximum load
Overvoltage category	III
Width	0.43 in (11 mm)
Height	90.3 mm
Depth	83.7 mm
Product weight	0.11 lb(US) (0.05 kg)


## Environment

Flame retardance	V0 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)

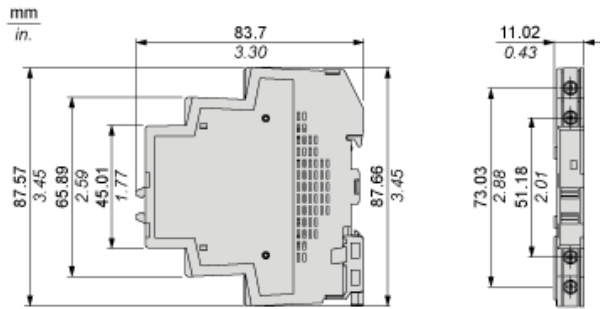
## Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901950523
Nbr. of units in pkg.	1
Package weight(Lbs)	0.11
Returnability	N
Country of origin	MX

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1328 - Schneider Electric declaration of conformity  <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

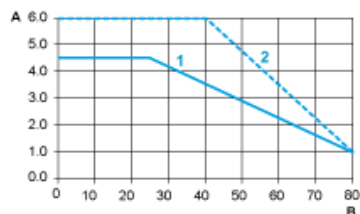
Dimensions



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Derating Curves

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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

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