



### Main

Range of product	Zelio Relay
Product or component type	Solid state relay
Device short name	SSM1
Phase	1 phase

### Complementary

Mounting support	Symmetrical DIN rail
Line Rated Current	55 A
Output voltage	48...660 V AC
[Uc] control circuit voltage	90...140 V AC
Contacts type and configuration	1 NO
Tightening torque	Input : 0.6...0.7 N.m Output : 1.36...1.7 N.m
Connections - terminals	Screw terminals : 1 x 0.2...1 x 3.3 mm <sup>2</sup> , (AWG 24...AWG 12) input Screw terminals : 1 x 0.2...1 x 8.4 mm <sup>2</sup> , (AWG 24...AWG 8) output
Maximum capacitance	<= 8 pF input/output
Insulation resistance	1000 MOhm at 500 V DC
Local signalling	LED green input status
Switching voltage	90 V AC turn-on 10 V AC turn-off
Input current	15 mA at 120 Vrms
Solid state output type	Zero voltage switching SCR output
Load current	0.15...55 A
Transient overvoltage	1200 V
Surge current	<= 1000 A for 16.6 ms
Voltage drop	1.7 V on-state
Maximum I <sup>2</sup> t for fusing	4150 A <sup>2</sup> .s 8.3 ms

Leakage current	<= 1 mA off-state
DV/Dt	500 V/ $\mu$ s off-state at maximum voltage
Response time	10 ms turn-on 40 ms turn-off
Overvoltage category	III
Product weight	1.05 lb(US) (0.476 kg)

## Environment

Dielectric strength	4 kV AC input/output 4 kV AC input or output to case
Pollution degree	2
Standards	UL 508 IEC 60950-1 CSA C22.2 No 14
Product certifications	CSA UL EAC
Marking	CE CSA UL EAC
IP degree of protection	IP20
Ambient air temperature for operation	-40...176 °F (-40...80 °C)
Ambient air temperature for storage	-40...257 °F (-40...125 °C)

## Ordering and shipping details

Category	22375 - INTERFACE MODULE(ABA,R,S)
Discount Schedule	CP2
GTIN	00785901427896
Nbr. of units in pkg.	12
Package weight(Lbs)	9.279999999999994
Returnability	N
Country of origin	MX

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1522 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
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>