



Main

Range of product	Zelio Relay
Product or component type	Solid state relay
Device short name	SSM3
Number of channels	3
Phase	3 phases

Complementary

Mounting support	Symmetrical DIN rail
Output voltage	48...600 V AC
[Uc] control circuit voltage	4...32 V DC
Contacts type and composition	3 NO
Tightening torque	Input : 0.6...0.7 N.m Output : 1.36...1.7 N.m
Connections - terminals	Screw terminals : 0.2...1.3 mm ² , (AWG 24...AWG 16) input Screw terminals : 1.3...5.3 mm ² , (AWG 16...AWG 10) output
Capacitance unbalance	<= 8 pF input/output
Insulation resistance	1000 MOhm
Local signalling	LED green input status
Switching voltage	4 V DC turn-on 1 V DC turn-off
Input current limits	22...28 mA
Solid state output type	Zero voltage switching
Load current	0.1...25 A
Absolute maximum voltage	1100 V
Surge current	<= 286 A for 20 ms at 50 Hz <= 300 A for 16.6 ms at 60 Hz
Voltage drop	1.35 V on-state
Motor power hp	1 hp at 104 °F (40 °C) 240 V AC 3 hp at 104 °F (40 °C) 480 V AC 2 hp at 40 °C 380 V AC
Maximum I ² t for fusing	410 A ² .s 10 ms at 50 Hz half cycle 374 A ² .s for 8.3 ms at 60 Hz half cycle
Leakage current	<= 0.25 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
Product weight	1.63 lb(US) (0.74 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

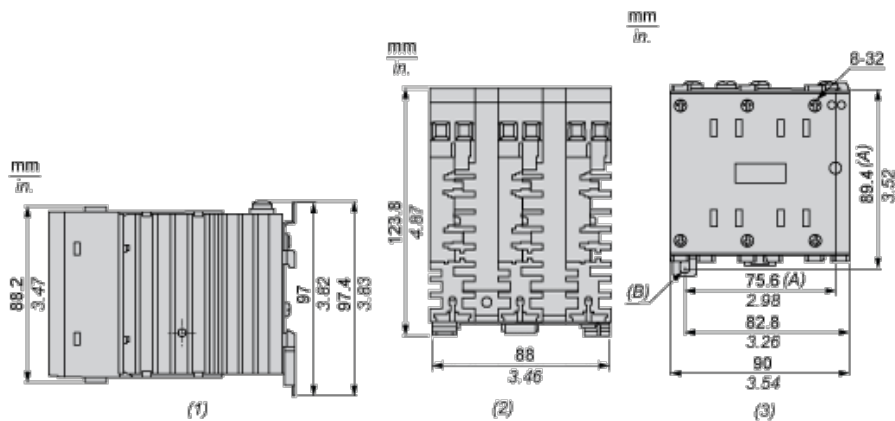
The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

product certifications	CSA UL EAC
marking	CE CSA UL EAC
IP degree of protection	IP20
ambient air temperature for operation	-4...176 °F (-20...80 °C)
ambient air temperature for storage	-40...212 °F (-40...100 °C)

Offer Sustainability

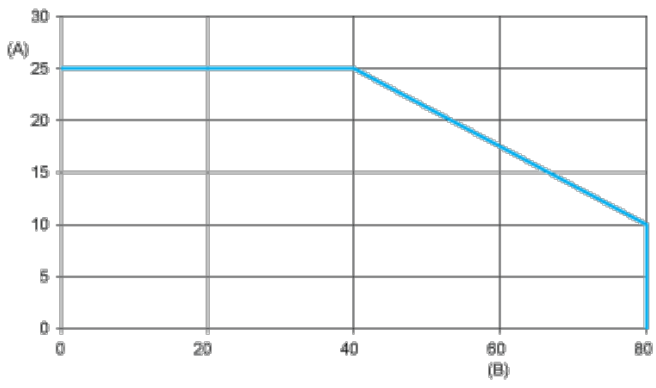
Green Premium product	Green Premium product
Compliant - since 1522 - Schneider Electric declaration of conformity	Compliant - since 1522 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	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.	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	For more information go to www.p65warnings.ca.gov

Dimensions



- (1) Side view
- (2) Top view
- (3) Front view
- (A) Mounting hole
- (B) Mounting hole / slot

Derating Curves



A : Output Current (Arms)
B : Ambient Temperature (°C)