



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
Control circuit voltage	90...140 V AC
Contacts type and composition	1 NO
Tightening torque	1.36...1.7 N.m for output 5.31...6.19 lbf.in (0.6...0.7 N.m) input
Connections - terminals	Screw terminals : 1 x 0.2...1 x 3.3 mm ² , (AWG 24...AWG 12) input Screw terminals : 1 x 0.2...1 x 8.4 mm ² , (AWG 24...AWG 8) output
Capacitance unbalance	<= 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 limits	15 mA at 120 Vrms
Solid state output type	Zero voltage switching SCR output
Load current	0.15...55 A
Absolute maximum voltage	1200 V
Surge current	<= 1000 A for 16.6 ms
Voltage drop	1.7 V on-state
Maximum I ² t for fusing	4150 A ² .s 8.3 ms

Disclaimer: 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

Leakage current	<= 1 mA off-state
DV/Dt	500 V/ μ 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	IEC 60950-1 CSA C22.2 No 14 UL 508
Product certifications	EAC UL CSA
Marking	EAC UL CSA CE
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)

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1522 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of life manual

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