



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	20 A
Output voltage	24...280 V AC
Control circuit voltage	90...280 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 5.3 mm ² , (AWG 24...AWG 10) input Screw terminals : 1 x 0.2...1 x 5.3 mm ² , (AWG 24...AWG 10) 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	2...10 mA
Solid state output type	SCR output Zero voltage switching
Load current	0.15...20 A
Absolute maximum voltage	600 V
Surge current	<= 250 A for 16.6 ms
Voltage drop	1.6 V on-state
Maximum I ² t for fusing	260 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	<= 10 mA off-state
DV/Dt	500 V/μs off-state at maximum voltage
Response time	10 ms turn-on 40 ms turn-off
Overvoltage category	III
Product weight	0.62 lb(US) (0.28 kg)

Environment

Dielectric strength	4 kV AC input/output 4 kV AC input or output to case
Pollution degree	2
Standards	UL 508 CSA C22.2 No 14 IEC 60950-1
Product certifications	EAC CSA UL
Marking	UL CSA EAC 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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Solid State Relays - Industrial Mount](#) category:

Click to view products by [Schneider](#) manufacturer:

Other Similar products are found below :

[6225XXASRS-DC3](#) [D2440-C](#) [H10CA4890](#) [D4875C](#) [D53TP50DH-10](#) [1395831-1](#) [BR312BY](#) [A-1326](#) [AQY210SXE01](#) [AQY221N2SYD01](#)
[AQY414SXE01](#) [26532764](#) [H10CA4850](#) [H12CA4890VL](#) [RA2410-D06](#) [RA2410-D06T](#) [D1202F](#) [D53TP50-10](#) [W230E-1-12](#) [W230T-3-12](#)
[W6125ASX-1](#) [W6225DSX-2](#) [W6240DSX-4](#) [W6240DTX-2](#) [1-1617033-9](#) [MS2-D2420](#) [MS2-D2430](#) [A-1440](#) [RJ1P60V50E](#) [RN1F48I50](#)
[70.362.1028.0](#) [7-1393030-8](#) [Z5.509.0828.0](#) [W230E-2-5](#) [G3RV-SR700-D AC110](#) [G3RV-SR700-D DC12](#) [G3PA-210BL-VD DC5-24](#) [G3RV-](#)
[SR500-AL AC100](#) [G3RV-SR500-D ACDC24](#) [G3RV-SR500-AL ACDC24](#) [G3RV-SR700-D ACDC24](#) [G3RV-SR700-AL ACDC24](#) [G3RV-](#)
[SR500-D DC12](#) [G3RV-SR700-A ACDC24](#) [G3RV-SR500-A ACDC24](#) [2912138](#) [2912141](#) [SSRDAC10](#) [1613353](#) [1613349](#)