



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	30 A
Output voltage	48...660 V AC
[Uc] control circuit voltage	90...280 V AC
Contacts type and composition	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 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	Zero voltage switching SCR output
Load current	0.15...30 A
Absolute maximum voltage	1200 V
Surge current	<= 1200 A for 16.6 ms
Voltage drop	1.6 V on-state
Maximum I ² t for fusing	6000 A ² .s 8.3 ms
Leakage current	<= 1 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 IEC 60950-1 CSA C22.2 No 14
product certifications	CSA UL EAC

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A : Load Current (Amperes)

B : Ambient Temperature (°C)