



### Main

Range of product	Zelio Relay
Product or component type	Solid state relay
Provided equipment	Thermal interface
Device short name	SSP
Mounting support	Panel
Network number of phases	3 phases
Contacts type and composition	3 NO
Solid state output type	Zero voltage switching

### Complementary

Control type	Without test button
Control circuit voltage	18...36 V AC
Switching voltage	>= 18 V AC turn-on <= 2 V AC turn-off
Response time	30 ms turn-off 20 ms turn-on
Input current limits	15...20 mA
Output voltage	48...530 V AC
Load current	0.1...50 A
Absolute maximum voltage	1200 V
Surge current	<= 715 A for 20 ms <= 750 A for 16.6 ms <= 150 A for 1 s
Maximum I <sup>2</sup> t for fusing	2520 A <sup>2</sup> .s for 10 ms at 50 Hz half cycle 2320 A <sup>2</sup> .s for 8.3 ms at 60 Hz half cycle
Leakage current	<= 3 mA off-state
Voltage drop	<= 1.35 V on-state
DV/Dt	500 V/μs off-state at maximum voltage
Cos phi	>= 0.5 with maximum load

Motor power hp	1.5 hp at 40 °C 120 V AC 3 hp at 40 °C 240 V AC 7.5 hp at 40 °C 480 V AC 8.8 hp at 40 °C 530 V AC
Motor power kW	1.11 kW at 40 °C 120 V AC 2.22 kW at 40 °C 240 V AC 5.55 kW at 40 °C 480 V AC 6.47 kW at 40 °C 530 V AC
Insulation resistance	>= 1000 MOhm at 500 V DC
Capacitance unbalance	<= 8 pF for input/output
Dielectric strength	4 kV AC for input/output 4 kV AC for input or output to case
Tightening torque	0.9...1.1 N.m for input 1.7...2.2 N.m for output
Connections - terminals	Screw terminals : 1 x 0.2...1 x 2.5 mm <sup>2</sup> , (AWG 24...AWG 14) for input Screw terminals : 1 x 1.5...1 x 10 mm <sup>2</sup> , (AWG 16...AWG 8) for output
Thermal resistance	0.12 °C/W
Local signalling	LED, green for input
IP degree of protection	IP20
Product weight	0.36 kg
Width	101.3 mm
Height	79.7 mm
Depth	35.4 mm

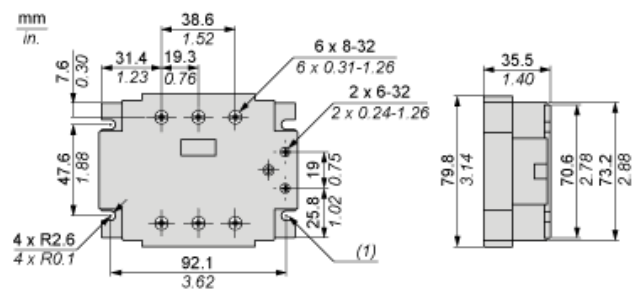
## Environment

Flame retardance	V0 conforming to UL 94
Ambient air temperature for operation	-40...80 °C
Ambient air temperature for storage	-40...125 °C
Pollution degree	2
Overvoltage category	III
Product certifications	RoHS REACH CSA UL
Marking	CE
Standards	IEC 62314 IEC 60950-1 IEC 61000

## Offer Sustainability

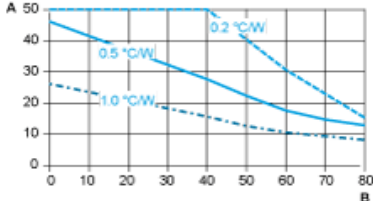
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1328 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">Product environmental</a>
Product end of life instructions	Available <a href="#">End of life manual</a>

Dimensions



(1) 4 Mounting slots

Derating Curves



A : Load Current (Amperes)  
B : Ambient Temperature (°C)