



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	180...280 V AC
Switching voltage	<= 10 V AC turn-off >= 180 V AC turn-on
Response time	30 ms turn-off 20 ms turn-on
Input current limits	7...20 mA
Output voltage	48...530 V AC
Load current	0.1...25 A
Absolute maximum voltage	1200 V
Surge current	<= 275 A for 20 ms <= 300 A for 16.6 ms <= 85 A for 1 s
Maximum I ² t for fusing	380 A ² .s for 10 ms at 50 Hz half cycle 370 A ² .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	0.75 hp at 40 °C 120 V AC 1 hp at 40 °C 240 V AC 3 hp at 40 °C 480 V AC 4.4 hp at 40 °C 530 V AC
Motor power kW	0.56 kW at 40 °C 120 V AC 0.74 kW at 40 °C 240 V AC 2.22 kW at 40 °C 480 V AC 3.24 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 ² , (AWG 24...AWG 14) for input Screw terminals : 1 x 1.5...1 x 10 mm ² , (AWG 16...AWG 8) for output
Thermal resistance	0.24 °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

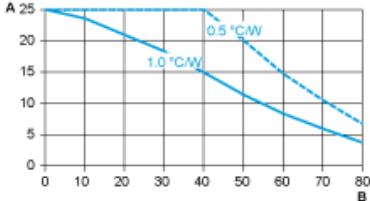
Environment

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	UL CSA REACH RoHS
Marking	CE
Standards	IEC 61000 IEC 62314 IEC 60950-1

Offer Sustainability

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

Derating Curves



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