

Main

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|-------------------------------|------------------------|
| Range of product | Zelio Relay |
| Product or component type | Solid state relay |
| Device short name | SSP |
| Mounting support | Panel |
| Phase | 3 phases |
| Contacts type and composition | 3 NO |
| Solid state output type | Zero voltage switching |

Complementary

| | |
|-------------------------------------|---|
| Control type | Without test button |
| [Uc] control circuit voltage | 4...32 V DC |
| Minimum switching voltage | 4 V DC turn-on |
| Maximum switching voltage | 1 V DC turn-off |
| Response time | 8.33 ms turn-on 8.33 ms turn-off |
| Input current limits | 24...35 mA |
| Output voltage | 48...530 V AC |
| Load current | 0.1...50 A |
| Absolute maximum voltage | 1200 V |
| Surge current | <= 715 A 20 ms <= 750 A 16.6 ms <= 150 A 1 s |
| Maximum I ² t for fusing | 2520 A ² .s 10 ms at 50 Hz half cycle 2320 A ² .s 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 104 °F (40 °C) 120 V AC 3 hp at 104 °F (40 °C) 240 V AC 7.5 hp at 104 °F (40 °C) 480 V AC 8.8 hp at 104 °F (40 °C) 530 V AC |
| Motor power kW | 1.11 kW at 104 °F (40 °C) 120 V AC 2.22 kW at 104 °F (40 °C) 240 V AC 5.55 kW at 104 °F (40 °C) 480 V AC 6.47 kW at 104 °F (40 °C) 530 V AC |
| Insulation resistance | >= 1000 MOhm at 500 V DC |
| Capacitance unbalance | <= 8 pF input/output |
| Dielectric strength | 4 kV AC input/output 4 kV AC input or output to case |
| Tightening torque | 0.9...1.1 N.m input 1.7...2.2 N.m output |
| Connections - terminals | Screw terminals : 1 x 0.2...1 x 2.5 mm ² , (AWG 24...AWG 14) input Screw terminals : 1 x 1.5...1 x 10 mm ² , (AWG 16...AWG 8) output |
| Thermal resistance | 0.12 °C/W |
| Local signalling | LED, green input |
| IP degree of protection | IP20 |
| Product weight | 0.79 lb(US) (0.36 kg) |
| Width | 101.3 mm |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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| Height | 79.7 mm |
| Depth | 35.4 mm |

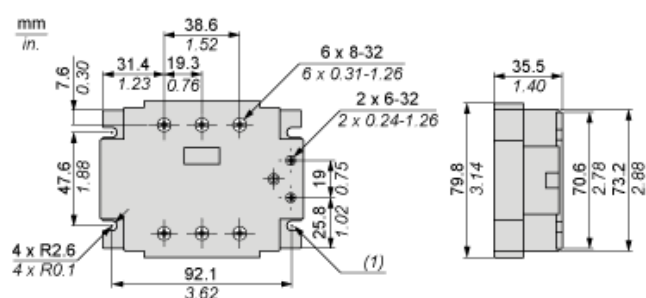
Environment

| | |
|---------------------------------------|---------------------------------------|
| flame retardance | V0 conforming to UL 94 |
| ambient air temperature for operation | -40...176 °F (-40...80 °C) |
| ambient air temperature for storage | -40...257 °F (-40...125 °C) |
| pollution degree | 2 |
| overvoltage category | III |
| product certifications | CSA RoHS UL REACH |
| marking | CE |
| standards | IEC 61000 IEC 60950-1 IEC 62314 |

Offer Sustainability

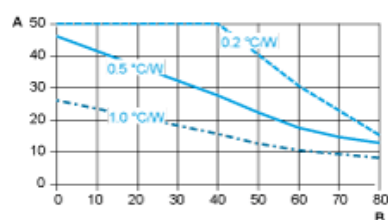
| | |
|--|--|
| Green Premium product | Green Premium product |
| Compliant - since 1328 - Schneider Electric declaration of conformity | Compliant - since 1328 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the threshold |
| Available | Available |
| Available | Available |
| WARNING: This product can expose you to chemicals including: | WARNING: This product can expose you to chemicals including: |
| Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. | Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. |
| For more information go to www.p65warnings.ca.gov | For more information go to www.p65warnings.ca.gov |

Dimensions



(1) 4 Mounting slots

Derating Curves



A : Load Current (Amperes)

B : Ambient Temperature (°C)