



Main

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

Complementary

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|-------------------------------------|---|
| Control type | Without test button |
| [Uc] control circuit voltage | 180...280 V AC |
| Minimum switching voltage | 180 V AC turn-on |
| Maximum switching voltage | 10 V AC turn-off |
| 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 20 ms <= 300 A 16.6 ms <= 85 A 1 s |
| Maximum I ² t for fusing | 380 A ² .s 10 ms at 50 Hz half cycle 370 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 | 0.75 hp at 104 °F (40 °C) 120 V AC 1 hp at 104 °F (40 °C) 240 V AC 3 hp at 104 °F (40 °C) 480 V AC 4.4 hp at 104 °F (40 °C) 530 V AC |
| Motor power kW | 0.56 kW at 104 °F (40 °C) 120 V AC 0.74 kW at 104 °F (40 °C) 240 V AC 2.22 kW at 104 °F (40 °C) 480 V AC 3.24 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 | 0.24 °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 |

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

Environment

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| 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

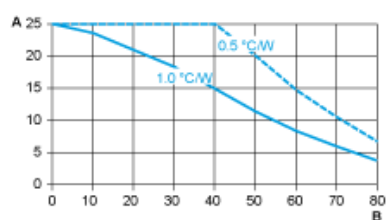
| | |
|--|--|
| Green Premium product | Green Premium product |
| Compliant - since 1328 - Schneider Electric declaration of conformity | Compliant - since 1328 - Schneider Electric declaration of conformity |
| Reference not containing SVHC above the threshold | Reference not containing SVHC above the 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)