



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 |
| Network number of phases | 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 |
| Control circuit voltage | 90...140 V AC |
| Switching voltage | >= 90 V AC turn-on <= 10 V AC turn-off |
| Response time | 30 ms turn-off 20 ms turn-on |
| Input current limits | 7...16 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 |

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| 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 |

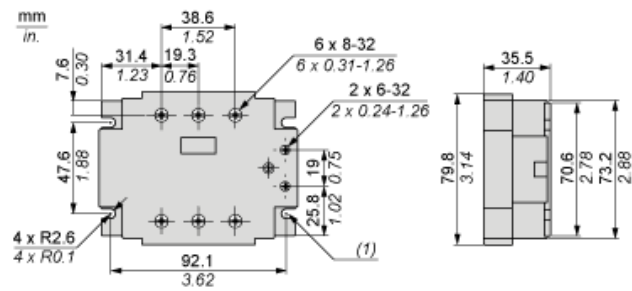
Environment

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

Offer Sustainability

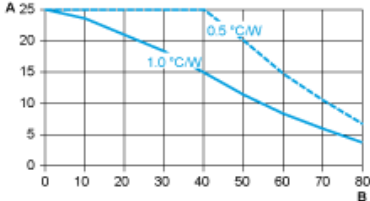
| | |
|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1328 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold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

Dimensions



(1) 4 Mounting slots

Derating Curves



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