

SSP3A250P7RT

solid state relay-panel-input 180-280VAC, output 48-530VAC,50A-Thermal Interface



Main

| | |
|---------------------------|-------------------|
| Commercial Status | Commercialised |
| Range of product | Zelio Relay |
| Product or component type | Solid state relay |
| Provided equipment | Thermal interface |
| Device short name | SSP |
| Network number of phases | 3 phases |

Complementary

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|-------------------------------|---|
| Mounting support | Panel |
| [In] rated current | 50 A |
| Output voltage | 48...530 V AC |
| Control circuit voltage | 180...280 V AC |
| Contacts type and composition | 3 NO |
| Tightening torque | 1.7...2.2 N.m for output 0.9...1.1 N.m for input |
| Connections - terminals | Screw terminals 1 x 1.5...1 x 10 mm ² for output - AWG 16...AWG 8 Screw terminals 1 x 0.2...1 x 2.5 mm ² for input - AWG 24...AWG 14 |
| Capacitance unbalance | <= 8 pF for input/output |
| Insulation resistance | >= 1000 MOhm at 500 V DC |
| Local signalling | LED green for input status |
| Switching voltage | >= 180 V AC turn-on <= 10 V AC turn-off |
| Input current limits | 7...20 mA |
| Solid state output type | Random voltage switching |
| Load current | 0.1...50 A |
| Absolute maximum voltage | 1200 V |
| Surge current | <= 150 A for 1 s <= 750 A for 16.6 ms <= 715 A for 20 ms |
| Voltage drop | <= 1.35 V on-state |
| Motor power kW | 6.47 kW at 40 °C 530 V AC 5.55 kW at 40 °C 480 V AC 2.22 kW at 40 °C 240 V AC 1.11 kW at 40 °C 120 V AC |
| Motor power hp | 8.8 hp at 40 °C 530 V AC 7.5 hp at 40 °C 480 V AC 3 hp at 40 °C 240 V AC 1.5 hp at 40 °C 120 V AC |
| Thermal resistance | 0.12 °C/W |

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|-------------------------------------|---|
| Maximum I ² t for fusing | 2320 A ² .s for 8.3 ms at 60 Hz half cycle 2520 A ² .s for 10 ms at 50 Hz half cycle |
| Leakage current | <= 3 mA off-state |
| DV/Dt | 500 V/μs off-state at maximum voltage |
| Response time | 30 ms turn-off 20 ms turn-on |
| Cos phi | >= 0.5 with maximum load |
| Overvoltage category | III |
| Width | 101.3 mm |
| Height | 79.7 mm |
| Depth | 35.4 mm |
| Product weight | 0.36 kg |



Environment

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|---------------------------------------|---|
| Flame retardance | V0 conforming to UL 94 |
| Dielectric strength | 4 kV AC for input or output to case 4 kV AC for input/output |
| Pollution degree | 2 |
| Standards | IEC 61000 IEC 60950-1 IEC 62314 |
| Product certifications | CSA RoHS UL REACH |
| Marking | CE |
| IP degree of protection | IP20 |
| Ambient air temperature for operation | -40...80 °C |
| Ambient air temperature for storage | -40...125 °C |

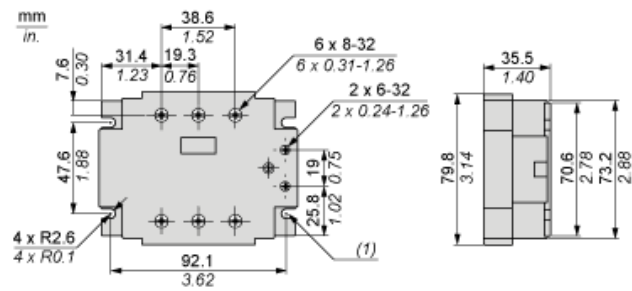
Ordering and shipping details

| | |
|-----------------------|-----------------------------------|
| Category | 22375 - INTERFACE MODULE(ABA,R,S) |
| Discount Schedule | CP2 |
| GTIN | 00785901843344 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.90 |
| Returnability | Y |
| Country of origin | MX |

Offer Sustainability

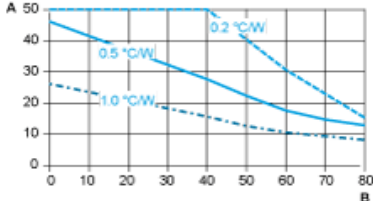
| | |
|----------------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available  Download Product Environmental |
| Product end of life instructions | Available  Download End Of Life Manual |

Dimensions



(1) 4 Mounting slots

Derating Curves



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