

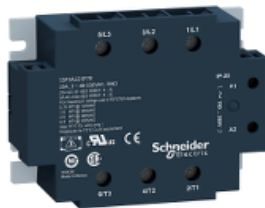
SSP3A250F7RT

solid state relay -panel-input 90-140VAC, output 48-530VAC,50A-Thermal Interface

Product availability : Stock - Normally stocked in distribution facility



Price* : 186.40 USD



Main

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

Complementary

| | |
|-------------------------------------|---|
| Control type | Without test button |
| [Uc] control circuit voltage | 90...140 V AC |
| Minimum switching voltage | 90 V AC turn-on |
| Maximum switching voltage | 10 V AC turn-off |
| Response time | 30 ms turn-off 20 ms turn-on |
| Input current | 7...16 mA |
| Output voltage | 48...530 V AC |
| Load current | 0.1...50 A |
| Transient overvoltage | 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/ μ s off-state at maximum voltage |
| Power factor | \geq 0.5 with maximum load |
| Motor controller rating | 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 | \geq 1000 MOhm at 500 V DC |
| Maximum capacitance | \leq 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 |
| LED indicator | LED, green input |
| IP degree of protection | IP20 |
| Product weight | 0.79 lb(US) (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...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 |

Ordering and shipping details

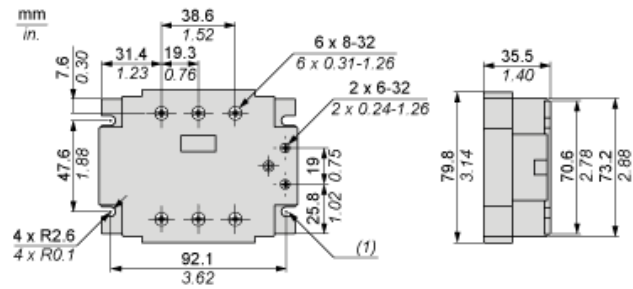
| | |
|-----------------------|-----------------------------------|
| Category | 22375 - INTERFACE MODULE(ABA,R,S) |
| Discount Schedule | CP2 |
| GTIN | 00785901843733 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.9100000000000003 |
| Returnability | Y |
| Country of origin | MX |

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 |

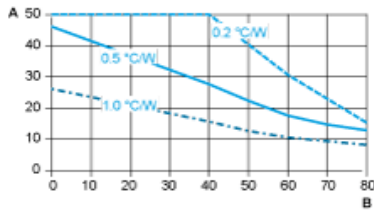
| | |
|----------------------------------|--|
| Product environmental profile | Available |
| Product end of life instructions | Available |
| California proposition 65 | WARNING: This product can expose you to chemicals including: |
| - - - - - Substance 1 | Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. |
| - - - - - More information | For more information go to www.p65warnings.ca.gov |

Dimensions



(1) 4 Mounting slots

Derating Curves



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