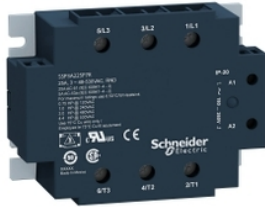


SSP3A225F7T

solid state relay -panel-input 90-140VAC,
output 48-530VAC,25A-Thermal Interface



Product availability: Non-Stock - Not normally stocked in distribution facility



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 | Zero 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...25 A |
| Transient overvoltage | 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 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 |
| Power factor | 0.5 with maximum load |
| Motor controller rating | 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 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 |
| Maximum capacitance | 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 |
| LED indicator | LED, green input |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

| | |
|-------------------------|-----------------------|
| IP degree of protection | IP20 |
| Product weight | 0.53 lb(US) (0.24 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 | REACH RoHS CSA UL |
| Marking | CE |
| Standards | IEC 61000 IEC 60950-1 IEC 62314 |

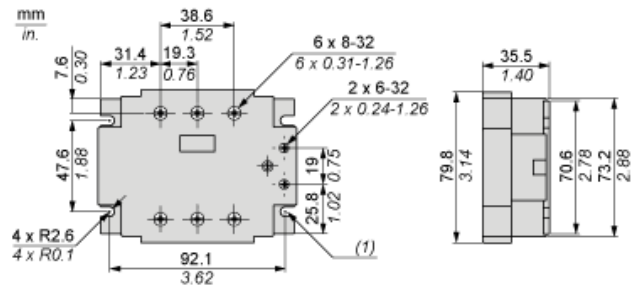
Ordering and shipping details

| | |
|-----------------------|-----------------------------------|
| Category | 22375 - INTERFACE MODULE(ABA,R,S) |
| Discount Schedule | CP2 |
| GTIN | 00785901977810 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.7900000000000004 |
| Returnability | N |
| Country of origin | MX |

Offer Sustainability

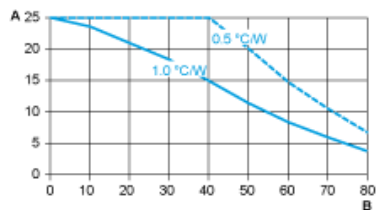
| | |
|----------------------------------|--|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1328 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| 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)

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[SOB867640](#) [SOB942360](#)