



Main

| | |
|---------------------------|-------------------|
| Range of product | Harmony Relay |
| Product or component type | Solid state relay |
| Device short name | SSM3 |
| Number of channels | 3 |
| Number of phases | 3 phase |

Complementary

| | |
|-------------------------------------|---|
| Mounting support | Symmetrical DIN rail |
| Output voltage | 48...600 V AC |
| [Uc] control circuit voltage | 90...140 V AC |
| Contacts type and configuration | 3 NO |
| Tightening torque | 0.6...0.7 N.m input 1.36...1.7 N.m output |
| Connections - terminals | Screw terminals 0.2...1.3 mm ² , AWG 24...AWG 16) input Screw terminals 1.3...5.3 mm ² , AWG 16...AWG 10) output |
| Maximum capacitance | 8 pF input/output |
| Insulation resistance | 1000 MOhm |
| Local signalling | Input status LED green) |
| Switching voltage | 90 V turn-on 10 V turn-off |
| Input current | 15...19 mA |
| Solid state output type | Zero voltage switching |
| Load current | 0.1...25 A |
| Transient overvoltage | 1100 V |
| Surge current | 286 A 20 ms 50 Hz 300 A 16.6 ms 60 Hz |
| Maximum voltage drop | <1.35 V on-state |
| Maximum Horse Power Rating | 1 Hp 104 °F (40 °C) 240 V AC 2 Hp 104 °F (40 °C) 380 V AC 3 hp 104 °F (40 °C) 480 V AC |
| Maximum I ² t for fusing | 410 A ² .S 10 ms 50 Hz 374 A ² .s 8.3 ms 60 Hz |
| Maximum leakage current | 0.25 mA off-state |
| DV/dt | 500 V/μs off-state at maximum voltage |
| Response time | 30 ms turn-off) 20 ms turn-on) |
| Power factor | 0.5 with maximum load) |
| Overvoltage category | III |
| Net Weight | 1.63 lb(US) (0.74 kg) |

Environment

| | |
|---------------------------------------|---|
| Dielectric strength | 4 KV AC input/output 4 kV AC input or output to case |
| Pollution degree | 2 |
| Standards | IEC 60950-1 UL 508 CSA C22.2 No 14 |
| Product certifications | UL EAC CSA |
| Marking | CSA UL CE EAC |
| IP degree of protection | IP20 |
| Ambient air temperature for operation | -4...176 °F (-20...80 °C) |
| Ambient air temperature for storage | -40...212 °F (-40...100 °C) |

Ordering and shipping details

| | |
|-----------------------|-----------------------------------|
| Category | 22375 - INTERFACE MODULE(ABA,R,S) |
| Discount Schedule | CP2 |
| GTIN | 00785901473572 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 1.79 lb(US) (0.81 kg) |
| Returnability | Yes |
| Country of origin | MX |

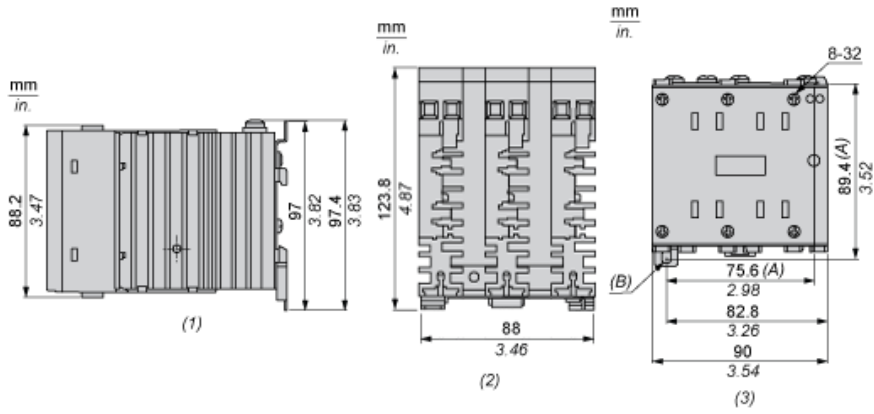
Packing Units

| | |
|------------------|----------|
| Package 1 Height | 1.400 dm |
| Package 1 width | 1.100 dm |
| Package 1 Length | 1.100 dm |

Offer Sustainability

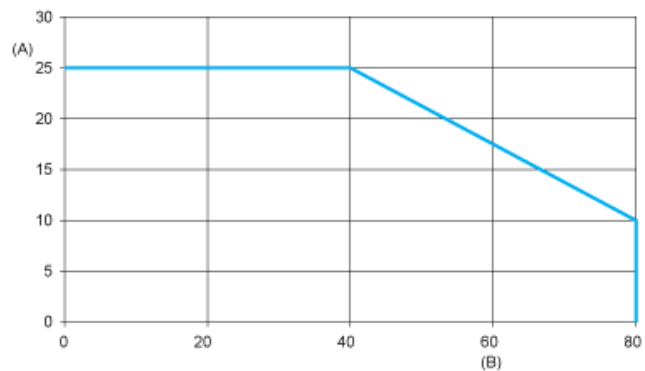
| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

Dimensions



- (1) Side view
- (2) Top view
- (3) Front view
- (A) Mounting hole
- (B) Mounting hole / slot

Derating Curves



A : Output Current (Arms)
B : Ambient Temperature (°C)