



Main

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| Range of product | Harmony Relay |
| Product or component type | Solid state relay |
| Device short name | SSM1 |
| Network number of phases | 1 phase |

Complementary

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|-------------------------------------|---|
| Mounting support | Symmetrical DIN rail |
| [In] rated current | 30 A |
| Output voltage | 24...280 V AC |
| [Uc] control circuit voltage | 4...32 V DC |
| Contacts type and composition | 1 NO |
| Tightening torque | 0.6...0.7 N.m for input 1.36...1.7 N.m for output |
| Connections - terminals | Screw terminals: 1 x 0.2...1 x 5.3 mm ² , (AWG 24...AWG 10) for input Screw terminals: 1 x 0.2...1 x 5.3 mm ² , (AWG 24...AWG 10) for output |
| Capacitance unbalance | 8 PF for input/output |
| Insulation resistance | 1000 MOhm at 500 V DC |
| Local signalling | LED (green) for input status |
| Switching voltage | 4 V DC turn-on 1 V DC turn-off |
| Input current limits | 8...12 MA |
| Solid state output type | Zero voltage switching SCR output |
| Load current | 0.15...30 A |
| Absolute maximum voltage | 600 V |
| Surge current | 1200 A for 16.6 ms |
| Maximum voltage drop | <1.6 V on-state |
| Maximum I ² t for fusing | 6000 A ² .S for 8.3 ms |
| Maximum leakage current | 10 MA off-state |
| DV/dt | 500 V/μs off-state at maximum voltage |
| Response time | 0.5 cycle (turn-on) 0.5 cycle (turn-off) |
| Overvoltage category | III |
| Net weight | 0.28 Kg |

Environment

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|---------------------------------------|---|
| Dielectric strength | 4 KV AC for input/output 4 KV AC for input or output to case |
| Pollution degree | 2 |
| Standards | CSA C22.2 No 14 UL 508 IEC 60950-1 |
| Product certifications | UL EAC CSA |
| Marking | CE EAC UL CSA |
| IP degree of protection | IP20 |
| Ambient air temperature for operation | -40...80 °C |
| Ambient air temperature for storage | -40...125 °C |

Packing Units

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| Package 1 Weight | 0.300 Kg |
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Offer Sustainability

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|----------------------------|--|
| Sustainable offer status | Green Premium product |
| 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 |

Product Life Status : **Commercialised**