

PRODUCT-DETAILS

CM-MSS.12S

CM-MSS.12S Therm. motor protec. relay 1c/o, 24VAC/DC



General Information

| | |
|-----------------------|---|
| Extended Product Type | CM-MSS.12S |
| Product ID | 1SVR730700R0100 |
| EAN | 4013614496721 |
| Catalog Description | CM-MSS.12S Therm. motor protec. relay 1c/o, 24VAC/DC |
| Long Description | The CM-MSS.12S belongs to the CM-MSS thermistor motor protection relay range. It operates with a rated control supply voltage of 24 V AC/DC and has a 1 c/o (SPDT) output with contacts rated at 250 V / 4 A. It features one sensor circuit to monitor PTC temperature sensors and works according to the closed-circuit principle. The relay will be reset automatically after the failure has been removed. A sealable transparent cover for protection against unauthorized changes is available as accessory. The device offers screw connection technology with double-chamber cage connection terminals. |

Ordering

| | |
|------------------------|---------------|
| EAN | 4013614496721 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85364900 |

Dimensions

| | |
|----------------------------|----------|
| Product Net Width | 22.5 mm |
| Product Net Height | 85.6 mm |
| Product Net Depth / Length | 103.7 mm |
| Product Net Weight | 0.113 kg |

Container Information

| | |
|--------------------------------|---------------|
| Package Level 1 Units | 1 piece |
| Package Level 1 Width | 97 mm |
| Package Level 1 Height | 109 mm |
| Package Level 1 Depth / Length | 30 mm |
| Package Level 1 Gross Weight | 0.137 kg |
| Package Level 1 EAN | 4013614496721 |

Technical

| | |
|---|--|
| Function | 1 sensor circuit Auto reset |
| Rated Control Supply Voltage (U _s) | 24 V AC/DC |
| Output | 1 c/o (SPDT) contact |
| Terminal Type | Screw Terminals |
| Rated Operational Current AC-12 (I _e) | (230 V) 4 A |
| Rated Operational Current AC-15 (I _e) | (230 V) 3 A |
| Rated Operational Current DC-12 (I _e) | (24 V) 4 A |
| Rated Operational Current DC-13 (I _e) | (24 V) 2 A |
| Minimum Switching Capacity | 24 V 10 mA |
| Rated Insulation Voltage (U _i) | Measuring Circuit / Output Circuit 300 V Output Circuit 1 / Output Circuit 2 300 V Supply Circuit / Output Circuit 300 V |
| Rated Impulse Withstand Voltage (U _{imp}) | Output Circuit 1 / Output Circuit 2 4 kV Output Circuit 4 kV |
| Degree of Protection | Housing IP50 Terminals IP20 |
| Overvoltage Category | III |
| Pollution Degree | 3 |
| Short-Circuit Protective Devices | Output Circuit NC - F Type Fuses 6 A Output Circuit NO - F Type Fuses 10 A |
| Electrical Durability | AC-12 100000 cycle |
| Mechanical Durability | 30000000 cycle |
| Connecting Capacity | Flexible 1x 0.5 ... 2.5 mm ² Flexible 2x 0.5 ... 1.5 mm ² Rigid 1x 0.5 ... 4 mm ² Rigid 2x 0.5 ... 2.5 mm ² |
| Tightening Torque | 0.6 ... 0.8 N·m |
| Wire Stripping Length | 8 mm |
| Mounting Position | Any |
| Mounting on DIN Rail | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 |
| Standards | CAN/CSA C22.2 No.14 EN 50581 IEC/EN 60947-5-1 IEC/EN 60947-8 UL 508 |

Environmental

| | |
|-------------------------|--|
| Ambient Air Temperature | Operation -25 ... +60 °C Storage -40 ... +85 °C |
| RoHS Status | Following EU Directive 2011/65/EU |

Technical UL/CSA

| | |
|----------------------------------|--|
| Maximum Operating Voltage UL/CSA | Output Circuit 300 V AC |
| Contact Rating UL/CSA | B300 |
| Connecting Capacity UL/CSA | Flexible 1x 18-14 AWG Flexible 2x 18-16 AWG Rigid 1x 20-12 AWG Rigid 2x 20-14 AWG |
| Tightening Torque UL/CSA | 7.08 in-lb |

Certificates and Declarations (Document Number)

| | |
|-----------------------------------|---------------------------|
| CB Certificate | CB_DK-40837-UL |
| CCC Certificate | CCC_2005010303165479 |
| cULus Certificate | cULus508_20140912-E140448 |
| Data Sheet, Technical Information | 2CDC112219D0201 |
| Declaration of Conformity - CE | 1SVD981006-0001 |
| DNV GL Certificate | DNVGL_TAE00003W4 |
| EAC Certificate | EAC_RU_C-DE.ME77.B.01825 |
| Environmental Information | 1SAA981024-2401 |
| GL Certificate | GL_13759-14HH |
| Instructions and Manuals | 1SVC730630M0000 |
| RMRS Certificate | RMRS_1740020250 |
| RoHS Information | 1SVD981006-0001 |

Classifications

| | |
|----------------------------|---|
| Object Classification Code | B |
| ETIM 5 | EC002568 - Temperature monitor (motor protection) |
| ETIM 6 | EC002568 - Relay for thermistor protection (PTC) |
| ETIM 7 | EC002568 - Relay for thermistor protection (PTC) |
| eClass | 7.0 27371503 |
| E-Number (Sweden) | 3860714 |

Categories

Low Voltage Products and Systems → Control Products → Electronic Relays and Controls → Thermistor Motor Protection Relays

