

CM-MSS.33S



CM-MSS.33S Therm. motor protec. relay 2c/o, 110-130VAC/220-240VAC

General Information

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| Extended Product Type | CM-MSS.33S |
| Product ID | 1SVR730712R2200 |
| EAN | 4013614496646 |
| Catalog Description | CM-MSS.33S Therm. motor protec. relay 2c/o, 110-130VAC/220-240VAC |
| Long Description | The CM-MSS.33S belongs to the CM-MSS thermistor motor protection relay range. It operates with a rated control supply voltage of 110-130 V AC and 220-240 V AC and has a 2 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 sensor circuit of this CM-MSS.33S is short-circuit, as well as interrupted-wire monitored and the relay can be reset automatically, manually or remotely after the failure has been removed. This protection relay is certified according to the ATEX directive 94/9/EC and is equipped with a reset / test button. 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

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| EAN | 4013614496646 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85364900 |

Dimensions

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| Product Net Width | 22.5 mm |
| Product Net Height | 85.6 mm |
| Product Net Depth / Length | 103.7 mm |
| Product Net Weight | 0.172 kg |

Container Information

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|--------------------------------|---------------|
| 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 | 0.199 kg |
| Package Level 1 EAN | 4013614496646 |

Technical

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| Function | 1 sensor circuit |
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| | Short-circuit detection Dynamic interrupted wire detection Auto, manual or remote reset ATEX approved |
| Rated Control Supply Voltage (U_s) | 110 ... 130 V AC 220 ... 240 V AC |
| Output | 2 c/o (SPDT) contacts |
| Terminal Type | Screw Terminals |
| Rated Operational Current AC-12 (I_{θ}) | (230 V) 4 A |
| Rated Operational Current AC-15 (I_{θ}) | (230 V) 3 A |
| Rated Operational Current DC-12 (I_{θ}) | (24 V) 4 A |
| Rated Operational Current DC-13 (I_{θ}) | (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 / Measuring Circuit 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 10 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 50495 EN 50581 IEC/EN 60079-7 IEC/EN 60947-5-1 IEC/EN 60947-8 UL 508 |

Environmental

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

Technical UL/CSA

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|----------------------------------|-------------------------|
| 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)

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|-----------------------------------|---|
| ATEX Certificate | EU Type Examination Certificate_TPS_18_ATEX_044254_0018_X |
| CB Certificate | CB_DK-40837-UL |
| CCC Certificate | CCC_2005010303165479 |
| cULus Certificate | cULus508_20140912-E140448 |
| Data Sheet, Technical Information | 2CDC112221D0201 |
| Declaration of Conformity - CE | 1SVD981007-0002 |
| EAC Certificate | EAC_RU_C-DE.ME77.B.01825 |
| Environmental Information | 1SAA981024-2401 |
| GL Certificate | GL_13759-14HH |
| Instructions and Manuals | 1SVC730640M0000 |
| Instructions and Manuals (Part 2) | 1SVC730640M9000 |
| RMRS Certificate | RMRS_1740020250 |
| RoHS Information | 1SVD981007-0002 |

Classifications

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|----------------------------|---|
| 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) | 3860736 |

Categories

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

