

CM-MSS.41S



CM-MSS.41S Therm. motor protec. relay 2c/o, 24-240VAC/DC

General Information

Extended Product Type	CM-MSS.41S
Product ID	1SVR730712R1200
EAN	4013614496677
Catalog Description	CM-MSS.41S Therm. motor protec. relay 2c/o, 24-240VAC/DC
Long Description	The CM-MSS.41S belongs to the CM-MSS thermistor motor protection relay range. It operates with a rated control supply voltage of 24 - 240 V AC / DC 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.41S is short-circuit (configurable), as well as interrupted-wire monitored and 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. The non-volatile fault storage and the short circuit detection can be enabled/disabled via DIP switches. 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	4013614496677
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	0.141 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	0.167 kg
Package Level 1 EAN	4013614496677

Technical

Function	1 sensor circuit Short-circuit detection, configurable Non-volatile fault storage, configurable Dynamic interrupted wire detection Auto, manual or remote reset ATEX approved
Rated Control Supply Voltage (U_s)	24 ... 240 V AC/DC
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	EN 50581 IEC/EN 60947-5-1 IEC/EN 60947-8 IEC/EN 60079-7 EN 50495 UL 508 CAN/CSA C22.2 No.14

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)

ATEX Certificate	EC Type Examination Certificate_TPS_14_ATEX_44254_005_X
CB Certificate	CB_DK-40837-UL
CCC Certificate	CCC_2005010303165479
cULus Certificate	cULus508_20140912-E140448
Data Sheet, Technical Information	2CDC112216D0201
Declaration of Conformity - CE	1SVD981007-0001
EAC Certificate	EAC_RU_C-DE.ME77.B.01825
Environmental Information	1SAA981024-2401
GL Certificate	GL_13759-14HH
Instructions and Manuals	1SVC730650M0000
RMRS Certificate	RMRS_1740020250
RoHS Information	1SVD981007-0001
Instructions and Manuals (Part 2)	1SVC730640M9000

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

Categories

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

