

**PRODUCT-DETAILS** 

## CM-MSS.12S

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



Genera	l Infoi	rmation

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

2

CAN/CSA C22.2 No.14 EN 50581

IEC/EN 60947-5-1 IEC/EN 60947-8 UL 508

Container Information	
Package Level 1 Units	box 1 piec
Package Level 1 Width	97 mm
Package Level 1 Height	109 mn
Package Level 1 Depth / Length	30 mm
Package Level 1 Gross Weight	0.137 kg
Package Level 1 EAN	401361449672
 Technical	
Function	1 sensor circuit Auto reset
Rated Control Supply Voltage (Us)	24 V AC/DC
Output	1 c/o (SPDT) contact
Terminal Type	Screw Terminals
Rated Operational Current AC-12 (I <sub>e</sub> )	(230 V) 4 A
Rated Operational Current AC-15 (I <sub>e</sub> )	(230 V) 3 A
Rated Operational Current DC-12 (I <sub>e</sub> )	(24 V) 4 A
Rated Operational Current DC-13 (I <sub>e</sub> )	(24 V) 2 A
Minimum Switching Capacity	24 \ 10 mA
Rated Insulation Voltage (Ui)	Measuring Circuit / Output Circuit 300 \ Output Circuit 1 / Output Circuit 2 300 \ Supply Circuit / Output Circuit 300 \
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	Output Circuit 1 / Output Circuit 2 4 k\ Output Circuit 4 k\
Degree of Protection	Housing IP50 Terminals IP20
Overvoltage Category	II
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 cycl
Connecting Capacity	Flexible 1x 0.5 2.5 mm Flexible 2x 0.5 1.5 mm Rigid 1x 0.5 4 mm Rigid 2x 0.5 2.5 mm
Tightening Torque	0.6 0.8 N·n
Wire Stripping Length	8 mn
Mounting Position	An
Mounting on DIN Rail	TH35-15 (35 $\times$ 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 $\times$ 7.5 mm Mounting Rail) acc. to IEC 60715
Standards	CAN/CSA C22.2 No.1/

#### **Environmental**

Standards

Ambient Air	Operation -25 +60 °C
Temperature	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	Flexible 1x 18-14 AWG
UL/CSA	Flexible 2x 18-16 AWG
	Rigid 1x 20-12 AWG
	Rigid 2x 20-14 AWG
Tightening Torque	7.08 in·lb
UL/CSA	

Certificates and Declarations (Document Number)	
CB Certificate	CB_DK-40837-UL
CCC Certificate	CCC_2005010303165479
CQC Certificate	CQC2005010303165479
cULus Certificate	cULus508_20140912-E140448
Data Sheet, Technical Information	2CDC112219D0201
Declaration of Conformity - CCC	2020980303000194
Declaration of Conformity - CE	1SVD981006
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

Classifications	
Object Classification Code	В
ETIM 5	EC002568 - Temperature monitor (motor protection)
ETIM 6	EC002568 - Relay for thermistor protection (PTC)
ETIM 7	EC002568 - Relay for thermistor protection (PTC)
eClass	V11.0 : 27371503
E-Number (Finland)	2712395
E-Number (Sweden)	3860714

### Categories

CM-MSS.12S 4

