



**Automatización Eléctrica**

Especialistas en Automatización

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## General Information

Extended Product Type:	CM-MSS.51P
Product ID:	1SVR740712R1300
EAN:	4013614496554
Catalog Description:	CM-MSS.51P Therm. motor protec. relay 2x1c/o, 24-240VAC/DC
Long Description:	The CM-MSS.51P belongs to the CM 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 two sensor circuit to monitor PTC temperature sensors (single or accumulative evaluation, configurable) and works according to the closed-circuit principle. The sensor circuits of this CM-MSS.51P are 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 49/9/EC and is equipped with a reset / test button. The non-volatile fault storage, the short circuit detection and the accumulative evaluation can be enabled/disabled via DIP switches. A sealable transparent cover for protection against unauthorized changes is available as accessory. The device offers maintenance free Easy Connect Technology with push-in terminals.

## Categories

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

## Ordering

EAN:	4013614496554
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:	103.7 mm
Product Net Weight:	0.135 kg

## Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	97 mm
Package Level 1 Height:	109 mm
Package Level 1 Length:	30 mm
Package Level 1 Gross Weight:	0.161 kg

## Technical

Function:	2 sensor circuits Short-circuit detection, configurable Non-volatile fault storage, configurable Single or accumulative evaluation, 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 x 1 c/o or 1 x 2 c/o contacts, configurable
Terminal Type:	Screwless 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 ( $U_i$ ):	300 V 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

<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	Output Circuit 1 / Output Circuit 2 4 kV Output Circuit 4 kV
<b>Degree of Protection:</b>	Housing IP50 Terminals IP20
<b>Overvoltage Category:</b>	III
<b>Pollution Degree:</b>	3
<b>Short-Circuit Protective Devices:</b>	Output Circuit NC - F Type Fuses 6 A Output Circuit NO - F Type Fuses 10 A
<b>Electrical Durability:</b>	AC-12 100000 cycle
<b>Mechanical Durability:</b>	30000000 cycle
<b>Connecting Capacity:</b>	Flexible 2x 0.5 ... 1.5 mm <sup>2</sup> Rigid 2x 0.5 ... 1.5 mm <sup>2</sup>
<b>Wire Stripping Length:</b>	8 mm
<b>Mounting Position:</b>	Any
<b>Mounting on DIN Rail:</b>	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
<b>Standards:</b>	IEC/EN 60947-8 UL 508 CSA 22.2 No. 14

## Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... +60 °C Storage -40 ... +85 °C
<b>RoHS Status:</b>	Following EU Directive 2011/65/EC

## Technical UL/CSA

<b>Maximum Operating Voltage UL/CSA:</b>	Output Circuit 300 V AC
<b>Contact Rating UL/CSA:</b>	B300
<b>Connecting Capacity UL/CSA:</b>	Flexible 2x 18 ... 16 AWG Rigid 2x 20 ... 16 AWG

## Certificates and Declarations (Document Number)

<b>ATEX Certificate:</b>	EC Type Examination Certificate_TPS_14_ATEX_44254_005_X
<b>CB Certificate:</b>	CB_DK-40837-UL
<b>CCC Certificate:</b>	CCC_2005010303165479
<b>cULus Certificate:</b>	cULus508_20140912-E140448
<b>Declaration of Conformity - CE:</b>	1SAD938500-0220
<b>EAC Certificate:</b>	EAC_RU_C-DE.ME77.B.01825
<b>GL Certificate:</b>	GL_13759-14HH
<b>RoHS Information:</b>	1SAA981070-4401

## Classifications

<b>Object Classification Code:</b>	B
<b>ETIM 5:</b>	EC001446 - Temperature monitoring relay
<b>eClass:</b>	7.0 27371810





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Product	Code	Reference	Product link
CM-MSS.51P Therm. motor protec. relay 2x1c/o, 24-240VAC/DC	1SVR740712R1300	CM-MSS.51P	<a href="#">Buy on EAN</a>