



PRODUCT-DETAILS

# CM-MSS.51P

## CM-MSS.51P Therm. motor protec. relay 2x1c/o, 24-240VAC/DC



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	<p>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.</p> <p>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, 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.</p>

Ordering	
EAN	4013614496554

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

### Popular Downloads

Data Sheet, Technical Information	2CDC112214D0201
Instructions and Manuals	1SVC730700M1000 1SVC730700M0000
Ex Operating Instructions	1SVC730640M9000
CAD Dimensional Drawing	2CDC001079B0201

### Dimensions

Product Net Width	22.5 mm
Product Net Height	85.6 mm
Product Net Depth / Length	103.7 mm
Product Net Weight	0.135 kg

### Technical

Function	2 sensor circuits Auto, manual or remote reset ATEX approved Dynamic interrupted wire detection Short-circuit detection, configurable Non-volatile fault storage, configurable Single or accumulative evaluation, configurable
Rated Control Supply Voltage (U <sub>s</sub> )	24 ... 240 V AC/DC
Rated Operational Voltage	Auxiliary Circuit 250 V AC
Rated Frequency (f)	Supply Circuit 15 ... 400 Hz
Output	2 x 1 c/o or 1 x 2 c/o contacts, configurable
Terminal Type	Screwless 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 V 10 mA
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	Output Circuit 1 / Output Circuit 2 4 kV Output Circuit 4 kV
Rated Insulation Voltage (U <sub>i</sub> )	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
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 2x 0.5 ... 1.5 mm² Rigid 2x 0.5 ... 1.5 mm²
Wire Stripping Length	8 mm
Mounting Position	1 ... 6
Mounting on DIN Rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Standards	CAN/CSA C22.2 No.14 EN 50495 IEC/EN 63000 IEC/EN 60079-7 IEC/EN 60947-5-1 IEC/EN 60947-8 UL 508

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Output Circuit 300 V AC
Contact Rating UL/CSA	B300
Connecting Capacity UL/CSA	Flexible 2x 18-16 AWG Rigid 2x 20-16 AWG
Pilot Duty UL/CSA	B300
Flammability According to UL94	V-0

Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	Without Derating 2000 m

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SVD981001-4501
RoHS Information	1SVD981001-4401
RoHS Status	Following EU Directive 2011/65/EU
Toxic Substances Control Act - TSCA	2CMT2023-006536

Circular Value

End of Life Instructions	1SAC200290H0001
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Certificates and Declarations

ATEX Certificate	EU Type Examination Certificate_TPS_18_ATEX_044254_0018_X
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CB Certificate	CB_DK-40837-UL
CCC Certificate	CCC_2005010303165479
CQC Certificate	CQC2005010303165479
cULus Certificate	cULus508_20140912-E140448
Declaration of Conformity - CCC	2020980303000194
Declaration of Conformity - CE	1SVD981007
Declaration of Conformity - UKCA	1SVD981007-10
DNV GL Certificate	DNVGL_TAE00003W4

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	97 mm
Package Level 1 Depth / Length	30 mm
Package Level 1 Height	109 mm
Package Level 1 Gross Weight	0.161 kg
Package Level 1 EAN	4013614496554

Classifications

Object Classification Code	B
ETIM 7	EC002568 - Relay for thermistor protection (PTC)
ETIM 8	EC002568 - Relay for thermistor protection (PTC)
ETIM 9	EC002568 - Relay for thermistor protection (PTC)
eClass	V11.0 : 27371503
UNSPSC	39122331
E-Number (Finland)	2712513
E-Number (Sweden)	3860739

Categories

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

