



PRODUCT-DETAILS

CM-MSS.11P

CM-MSS.11P Therm. motor protec. relay 1n/o+1n/c, 24-240VAC/DC



General Information

Extended Product Type	CM-MSS.11P
Product ID	1SVR740720R1400
EAN	4013614496523
Catalog Description	CM-MSS.11P Therm. motor protec. relay 1n/o+1n/c, 24-240VAC/DC

Long Description	<p>The CM-MSS.11P 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 1 n/c + 1 n/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 the CM-MSS.11P is interrupted-wire monitored and the relay will be reset automatically after the failure has been removed. This protection relay is certified according to the ATEX directive 94/9/EC. 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>
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Ordering

EAN	4013614496523
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	2CDC112215D0201
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	0.119 kg

Technical

Function	1 sensor circuit Non-volatile fault storage Dynamic interrupted wire detection Auto reset ATEX approved
Rated Control Supply Voltage (U_s)	24 ... 240 V AC/DC
Rated Operational Voltage	Auxiliary Circuit 250 V AC
Rated Frequency (f)	Supply Circuit 15 ... 400 Hz
Output	1 n/o + 1 n/c contact
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 Impulse Withstand Voltage (U_{imp})	Output Circuit 1 / Output Circuit 2 4 kV Output Circuit 4 kV
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
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 2x 0.5 ... 1.5 mm ² Rigid 2x 0.5 ... 1.5 mm ²
Tightening Torque	Auxiliary Circuit 1 ... 1.2 N·m Main Circuit 2.5 ... 2.7 N·m
Wire Stripping Length	8 mm Auxiliary Circuit 9 mm Main Circuit 12 mm
Mounting Position	1 ... 6
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 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	(NC:) Q600 (NO:) Q600 (NC:) B600 (NO:) D300 B300
Connecting Capacity UL/CSA	Flexible 2x 18-16 AWG Rigid 2x 20-16 AWG
Connecting Capacity Main Circuit UL/CSA	Flexible 1/2x 14-6 AWG
Connecting Capacity Auxiliary Circuit UL/CSA	Flexible 1/2x 18-12 AWG
Pilot Duty UL/CSA	B300 NC B600 NC Q600 NO D300 NO Q600
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

ABB EcoSolutions

End of Life Instructions

1SAC200290H0001

Certificates and Declarations

ATEX Certificate	EU Type Examination Certificate_TPS_18_ATEX_044254_0018_X
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	0.146 kg
Package Level 1 EAN	4013614496523

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)	2712393
E-Number (Norway)	4188184
E-Number (Sweden)	3860711

Categories

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

