



PRODUCT-DETAILS

CM-MSS.12P

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



General Information	
Extended Product Type	CM-MSS.12P
Product ID	1SVR740700R0100
EAN	4013614496615
Catalog Description	CM-MSS.12P Therm. motor protec. relay 1c/o, 24VAC/DC
Long Description	<p>The CM-MSS.12P 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 maintenance free <u>Easy Connect Technology with push-in terminals.</u></p>

Ordering	
EAN	4013614496615
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	2CDC112219D0201
Instructions and Manuals	1SVC730700M1000 1SVC730700M0000
CAD Dimensional Drawing	2CDC001079B0201
EPLAN Data	9AAC132589 EPLAN

Dimensions

Product Net Width	22.5 mm
Product Net Height	85.6 mm
Product Net Depth / Length	103.7 mm
Product Net Weight	0.105 kg

Technical

Function	1 sensor circuit Auto reset
Rated Control Supply Voltage (U _s)	24 V AC/DC
Rated Operational Voltage	Auxiliary Circuit 250 V AC
Rated Frequency (f)	Supply Circuit 50/60 Hz
Output	1 c/o (SPDT) contact
Terminal Type	Screwless 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 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 / 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	Nr. Operations 30000000 cycle
Connecting Capacity	Flexible 2x 0.5 ... 1.5 mm ² Rigid 2x 0.5 ... 1.5 mm ²
Wire Stripping Length	8 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 IEC/EN 63000 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	No declaration needed
SCIP	67cb2765-2126-4fa5-8309-4beb4a54eb9b Germany
Simplified SCIP	d9cd262d-1cc1-4f92-93bc-e5affe3d28c0 Germany a890dd8d-e282-4394-bb07-2ff0d46537a4 Finland c0311e03-660e-4b2a-b433-ad34cd1940e7 Bulgaria 5b9e0c4a-cc9d-4712-a340-d5b7446c3236 Germany 7747c413-33ec-4fa0-b8fd-010cdd4f147f France 7690b627-f2b0-4624-94dc-08e91793ac77 Belgium a768feb7-f136-491b-818a-5a2733e50e37 Hungary a08b4f87-e9c1-49f5-9aa5-5ec3f493529b Portugal cf084ba6-4771-4b63-aa7e-3522f219cc7b Germany 9305a279-d44f-4a3d-8c14-5c1c57f7e6ff Poland f6ad8548-5163-4c03-a8c1-1a3a00eacef2 Denmark 7fa52ce0-afd7-4a7d-bff1-e27e9d8c7304 Hungary 529e7e11-a0e8-46c8-93bd-f47ebabfaf89 France fd22e65b-ede3-4680-b04a-41573506f660 Sweden 798eb40e-c323-4239-8336-5bb98276e08c Spain fb6df2f8-2cbd-45ab-9de9-953d9db9b5e6 Norway c0a4d149-72d1-4dcd-9a6f-9f5257f0eed6 Greece ac83b650-6753-42ae-85ec-d5d59e3f82fa Netherlands 09ec32b1-0408-43af-b816-f2f19ecbb4f5 Germany 41ce01d3-27db-4ac3-a011-8c3682285e2f Czech Republic 3a6f583d-64f1-4ca3-b8a7-4d7c50c043a2 Italy ee69c9a9-60ba-413f-80dd-d09f1465d8cf Sweden 23a8e421-b9e7-407c-8fef-48730491d8eb Estonia 93d703fd-ae59-4a33-a67a-dcb97587e687 Poland 067c7162-d1bf-4307-8abb-27147a208e72 Poland 10ae384e-16f4-4a67-9785-187679cad7e2 Croatia 92f19603-a308-4b82-8117-7b2c88d1b282 Belgium
Toxic Substances Control Act - TSCA	2CMT2023-006536

ABB EcoSolutions

Environmental Product Declaration - EPD	1SAC200438H0001
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Certificates and Declarations

CB Certificate	CB_DK-40837-UL
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CCC Certificate	CCC_2005010303165479
CQC Certificate	CQC2005010303165479
cULus Certificate	cULus508_20140912-E140448
Declaration of Conformity - CCC	2020980303000194
Declaration of Conformity - CE	1SVD981006
Declaration of Conformity - UKCA	1SVD981006-10
DNV GL Certificate	DNVGL_TAF00003W4

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	0.129 kg
Package Level 1 EAN	4013614496615

External Classifications and Standards

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)	2712394
E-Number (Norway)	4188163
E-Number (Sweden)	3860713

Categories

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

