



PRODUCT-DETAILS

CM-TCS.13P

CM-TCS.13P Temperature monitoring relay

Temp.-range 0...+200°C, 24-240VAC/DC



General Information

Extended Product Type	CM-TCS.13P
Product ID	1SVR740740R0300
EAN	4016779852791
Catalog Description	CM-TCS.13P Temperature monitoring relay Temp.-range 0...+200°C, 24-240VAC/DC
Long Description	The CM-TCS.13P relay is from the CM temperature monitors range. This relay 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. The CM-TCS.13P is able to measure temperature with 1 sensor circuit using PT100 sensor. The CM-TCS.13P monitors overtemperature, undertemperature and window monitoring with 2 thresholds. The corresponding threshold values are adjustable. The temperature measuring range is 0...+200°C. 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.

Ordering

EAN	4016779852791
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	2CDC112199D0201
Instructions and Manuals	1SVC730560M1001 1SVC730560M0001
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	0.14 kg

Technical

Function	Overtemperature monitoring Undertemperature monitoring Over- and undertemperature monitoring
Measuring Range	0 ... +200 °C
Sensor Type	PT100
Rated Control Supply Voltage (U _s)	24 ... 240 V AC/DC
Rated Frequency (f)	Supply Circuit 50 Hz Supply Circuit 60 Hz Supply Circuit 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 _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})	Measuring Circuit / Output Circuit 4 kV Output Circuit 1 / Output Circuit 2 4 kV Supply Circuit / Measuring Circuit 4 kV Supply Circuit / 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 6 A Output Circuit NO - F Type Fuses 10 A
Electrical Durability	AC-12 100000 cycle
Mechanical Durability	30000000 cycle
Connecting Capacity	Flexible with Ferrule 2x 0.5 ... 1.5 mm² Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm² 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	TH35-15 (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.60947-5-1 IEC/EN 60255-26 IEC/EN 60255-27 IEC/EN 61000-6-2 IEC/EN 61000-6-3 IEC/EN 63000 UL 60947-5-1 IEC/EN 60947-5-1
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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

Environmental

Ambient Air Temperature	Operation -40 ... +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
SCIP	d5df017f-6e51-4185-92b8-89ddb1907dcc Germany (DE)
Simplified SCIP	a5a51735-7123-4378-8cd0-3e4073b0332f Germany (DE) 550b5162-3311-4fc4-bcf1-2a6c5eb1c8c7 Finland (FI) c27a9de5-d741-486e-ba62-7e5ca5b78b6b Italy (IT) 7833662f-2159-4127-a673-6e178a6bd251 Belgium (BE) b819c38e-5f24-49d8-9d03-cc01273fc4b5 Portugal (PT) 4cbc1ab3-e154-407f-b636-58c7fa4d8a41 Poland (PL) 87c26113-ac8e-4f2f-a1ab-fccf73ade749 Norway (NO) 767f3152-1375-4157-a4a2-80f548d99a60 France (FR) 99466163-2090-4dd8-b8cc-d89943f4fb08 Poland (PL) d2437447-9a69-4dd5-bfd3-91aa75c63cf0 Sweden (SE) 1874cff6-5d94-455d-bd63-2c5aacc5090 Bulgaria (BG) 5c8060ca-a0af-4c41-b3f1-4ba5ddb0c15b Sweden (SE) 31be927e-0f98-4f08-b93b-8d099afcc825 Germany (DE) 69330605-4608-462f-a16e-332f26695bc1 Hungary (HU) 05c82a0e-65dc-4576-85fd-6071cdc7e016 Estonia (EE) 7a16d1c6-9389-4358-8d2d-d84ec3e6a28e Greece (GR) 508840ec-1a57-4d4b-989d-30c5061790fc Netherlands (NL) 6da696b6-cb93-4459-ad90-80ede5eebc58 Czech Republic (CZ) aa7d43a6-79ae-490d-b477-ccc39cc32e08 Poland (PL) 68bbf672-a28d-47dd-9545-41b2677b0623 Germany (DE) fab95608-1202-4ce1-825a-449ed0a1dc73 Croatia (HR) 508014ec-bf3a-4ee3-a5f8-0bf19fa08f9f Denmark (DK) 2cf0d147-fb28-4617-98fb-36e38fbd9071 Germany (DE) 46364b1e-bc9e-4480-b8b8-775f919bdef0 France (FR) 13ba4c78-4671-458e-af34-7703f9ba5a91 Spain (ES) c55b86a6-e7b1-4f14-8da9-b26458a03c47 Hungary (HU) 32a8f00e-b9b2-4b70-aeb4-2547340cc2ee Belgium (BE)
Toxic Substances Control Act - TSCA	2CMT2023-006536

Circular Value

End of Life Instructions	1SAC200290H0001
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Certificates and Declarations

CCC Certificate	CCC_2018010303056014
CQC Certificate	CQC2007010303243843
cULus Certificate	cULus60947-5-1_20170922-E140448
Declaration of Conformity - CCC	2020980303000196
Declaration of Conformity - CE	1SVD981015-00
Declaration of Conformity - UKCA	1SVD981015-10
DNV GL Certificate	DNV_GL_TAA000021M

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	0.165 kg
Package Level 1 EAN	4016779852791

Classifications

Object Classification Code	B
ETIM 7	EC001446 - Temperature monitoring relay
ETIM 8	EC001446 - Temperature monitoring relay
ETIM 9	EC001446 - Temperature monitoring relay
eClass	V11.0 : 27371810
UNSPSC	39122331
E-Number (Finland)	2712325
E-Number (Sweden)	3860671

Categories

Low Voltage Products and Systems → Control Products → Electronic Relays and Controls → Temperature Monitors

