



 PRODUCT-DETAILS

CM-TCS.13S

CM-TCS.13S Temperature monitoring relay Temp.-range 0...+200°C, 24-240VAC/DC



General Information

Extended Product Type	CM-TCS.13S
Product ID	1SVR730740R0300
EAN	4016779852739
Catalog Description	CM-TCS.13S Temperature monitoring relay Temp.-range 0...+200°C, 24-240VAC/DC
Long Description	The CM-TCS.13S 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.13S is able to measure temperature with 1 sensor circuit using PT100 sensor. The CM-TCS.13S 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 screw connection technology with double-chamber cage connection terminals.

Ordering

EAN	4016779852739
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	0.151 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	Screw 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})	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 1x 0.5 ... 2.5 mm ²

Flexible with Ferrule 2x 0.5 ... 1.5 mm²
 Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm²
 Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm²
 Flexible 1x 0.5 ... 2.5 mm²
 Flexible 2x 0.5 ... 1.5 mm²
 Rigid 1x 0.5 ... 4 mm²
 Rigid 2x 0.5 ... 2.5 mm²

Tightening Torque	0.6 ... 0.8 N·m
Wire Stripping Length	8 mm
Recommended Screw Driver	0.8 x 4 4.5 Pozidriv 1
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

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Output Circuit 300 V AC
Contact Rating UL/CSA	B300
Connecting Capacity UL/CSA	Flexible 1x 18-14 AWG Flexible 2x 18-16 AWG Rigid 1x 20-12 AWG Rigid 2x 20-14 AWG
Tightening Torque UL/CSA	7.08 in·lb
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	2ed6192a-d071-4fe0-8850-e6299e4928cd Germany (DE) f49a649d-f527-49b4-916e-3db5b066bc72 Italy (IT) a0ec96e2-8624-4576-84c5-c2cf609ca06c Belgium (BE) ba2f8808-f2e9-4f67-b1b7-fb170147bd7c Hungary (HU) da51220f-76d8-4cc9-84f6-819578acef28 Spain (ES) d5a891ab-3ca0-4f14-a4eb-71755f90b0e3 Estonia (EE) ef0cb510-4696-4c4a-9801-68db4b59d2b6 Poland (PL) 5030a36a-bdbe-4b5b-bd6e-e46e855ae360 Netherlands (NL)
Simplified SCIP	

00cf8063-65bb-4553-a8ba-99458985d51e Portugal (PT)
 36b3f65a-2947-41cd-89b9-edbe5b8f8ccf Hungary (HU)
 ba16262c-11c8-44b1-ae8c-d209d4419059 Greece (GR)
 06b93c3d-926e-46da-bc36-0bb9dceb2210 Sweden (SE)
 fc4961cf-fd86-4a13-94a5-575da3907c41 Bulgaria (BG)
 1a051d11-9dd7-44f7-8d49-bb1da95e0b0c France (FR)
 481dc0ac-3562-4e3a-b651-73a9126eb53d Poland (PL)
 10566f2b-5828-4a98-9f6f-3faca96e6672 Sweden (SE)
 23949fcf-add9-4206-87d5-f8ea912c9d50 Germany (DE)
 ba2cccb5-e38d-43fa-baa8-116f8a2d9a79 Germany (DE)
 dc9e38c9-4b81-47b7-8ebd-aff1ea09e620 France (FR)
 60ccdc39-7fe7-4d01-9378-641f853f1df9 Croatia (HR)
 6e5c6e4d-ec41-4a14-a48b-cf6b48ce026b Czech Republic (CZ)
 4db759f7-6fb0-4ecf-94b1-bc24d2a4234d Germany (DE)
 b6783975-0208-4e81-81b9-df73c064f14f Belgium (BE)
 890ca41c-7d59-4cbc-811e-7c13f2b9c42a Poland (PL)
 3b36f806-ed58-4537-9cf7-62495e193937 Norway (NO)
 a1590ff4-2a7a-4ef9-85f2-6c411207b83d Denmark (DK)
 a0dfb82f-54c2-4c9f-a2ce-cbecbd06dd88 Finland (FI)
 fdfac905-7958-4db5-9ee5-2606d6540286 Germany (DE)

Toxic Substances Control Act - TSCA 2CMT2023-006536

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	0.176 kg
Package Level 1 EAN	4016779852739

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)	2712326
E-Number (Norway)	4187810
E-Number (Sweden)	3860665

Categories

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

