



PRODUCT-DETAILS

CM-TCS.11S

CM-TCS.11S Temperature monitoring relay Temp.-range -50...+50°C, 24-240VAC/DC



General Information

Extended Product Type	CM-TCS.11S
Product ID	1SVR730740R0100
EAN	4016779852715
Catalog Description	CM-TCS.11S Temperature monitoring relay Temp.-range -50...+50°C, 24-240VAC/DC
Long Description	The CM-TCS.11S 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.11S is able to measure temperature with 1 sensor circuit using PT100 sensor. The CM-TCS.11S monitors overtemperature, undertemperature and window monitoring with 2 thresholds. The corresponding threshold values are adjustable. The temperature measuring range is -50...+50°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	4016779852715
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
EPLAN Data	9AAC159147_EPLAN

Dimensions

Product Net Width	22.5 mm
Product Net Height	85.6 mm
Product Net Depth / Length	103.7 mm
Product Net Weight	0.151 kg

Technical

Function	Overtemperature monitoring Undertemperature monitoring Over- and undertemperature monitoring
Measuring Range	-50 ... 50 °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	Nr. Operations 30000000 cycle

Connecting Capacity	Flexible with Ferrule 1x 0.5 ... 2.5 mm ² Flexible with Ferrule 2x 0.5 ... 1.5 mm ² Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm ² Flexible 1x 0.5 ... 2.5 mm ² Flexible 2x 0.5 ... 1.5 mm ² Rigid 1x 0.5 ... 4 mm ² Rigid 2x 0.5 ... 2.5 mm ²
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	No declaration needed
SCIP	bccff289-460c-46f4-bc64-05a95e233fd8 Germany 9e5f76bf-7d60-4601-8c8e-f009b7647abc Germany f3f9f4bf-0fb0-43d3-ae92-4caa0dd0153a Poland 77d4ad7d-a769-40a5-a15b-977a87725198 Norway 3970ab5b-3e71-483a-98a7-6d1ff303c228 Finland 4fccd7ec-5986-42d9-b098-3a2f59da3529 Belgium f51e504e-9400-4e78-899f-277567a0aabb Italy
Simplified SCIP	

33f46781-0446-4df0-9cc8-e030cae4f942 Portugal
 6fb247a7-8469-43d4-a0ab-c6f1f29a3892 Greece
 e0bed75b-9999-4f56-a1b4-55a66510fbd Bulgaria
 57063e28-3ad9-4a89-b4b0-7515501f20d2 Sweden
 108dc52d-75ac-47d5-af2a-1f5db73d813c Poland
 c776a711-d4e2-4a15-89a7-f628e56c2dac France
 59c9bfd6-a21b-4c7b-92fa-34d5cfc6682 Sweden
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 e5d9a100-bfcd-45d3-9099-1e598fac0051 Estonia
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 00c25b51-84ab-4276-8e86-ffff204af083 France
 34133499-c0b2-4846-bd53-9d16c7e80404 Croatia
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 bcb41717-8e69-4caa-95fd-c07afd18cb78 Spain
 69482607-bffb-4e00-885b-d3b017c41ffb Germany
 9ea51e36-aab6-4c01-abd6-c916ccf4b460 Denmark
 b763729e-faf5-4ead-aac6-030bb408b418 Germany
 25d41399-d339-47ae-9fc5-4a11ecb2e3d3 Belgium

Toxic Substances Control Act - TSCA 2CMT2023-006536

ABB EcoSolutions

ABB EcoSolutions Yes
 Environmental Product Declaration - EPD 1SAC200438H0001

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 4016779852715

External Classifications and Standards

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)	2712322
E-Number (Norway)	4187808
E-Number (Sweden)	3860663

Categories

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

