



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

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	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	Following EU Directive 2011/65/EU
SCIP	bccff289-460c-46f4-bc64-05a95e233fd8 Germany (DE)
Simplified SCIP	9e5f76bf-7d60-4601-8c8e-f009b7647abc Germany (DE) f3f9f4bf-0fb0-43d3-ae92-4caa0dd0153a Poland (PL) 77d4ad7d-a769-40a5-a15b-977a87725198 Norway (NO) 3970ab5b-3e71-483a-98a7-6d1ff303c228 Finland (FI) 4fccd7ec-5986-42d9-b098-3a2f59da3529 Belgium (BE) f51e504e-9400-4e78-899f-277567a0aabb Italy (IT) 33f46781-0446-4df0-9cc8-e030cae4f942 Portugal (PT)

6fb247a7-8469-43d4-a0ab-c6f1f29a3892 Greece (GR)	
e0bed75b-9999-4f56-a1b4-55a66510fbdd Bulgaria (BG)	
57063e28-3ad9-4a89-b4b0-7515501f20d2 Sweden (SE)	
108dc52d-75ac-47d5-af2a-1f5db73d813c Poland (PL)	
c776a711-d4e2-4a15-89a7-f628e56c2dac France (FR)	
59c9bfd6-a21b-4c7b-92fa-34d5cffc6682 Sweden (SE)	
86a02d85-e9e0-4a5b-808d-515ca41b22d1 Germany (DE)	
e5d9a100-bfcd-45d3-9099-1e598fac0051 Estonia (EE)	
9ebb4301-879d-4a79-a373-ae719694907f Netherlands (NL)	
1bd6879c-5d81-4ff7-958e-6e89993d6719 Hungary (HU)	
d44fa458-b108-4704-934c-bd8eac2ddb5 Poland (PL)	
45c69b3f-3c24-4374-acc5-ff97bb2f5ad9 Hungary (HU)	
00c25b51-84ab-4276-8e86-ffff204af083 France (FR)	
34133499-c0b2-4846-bd53-9d16c7e80404 Croatia (HR)	
eb960577-af05-4b28-b697-d464b83bd375 Czech Republic (CZ)	
bcb41717-8e69-4caa-95fd-c07afd18cb78 Spain (ES)	
69482607-bffb-4e00-885b-d3b017c41ffb Germany (DE)	
9ea51e36-aab6-4c01-abd6-c916ccf4b460 Denmark (DK)	
b763729e-faf5-4ead-aac6-030bb408b418 Germany (DE)	
25d41399-d339-47ae-9fc5-4a11ecb2e3d3 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	0.176 kg
Package Level 1 EAN	4016779852715

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)	2712322
E-Number (Sweden)	3860663

Categories

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

