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	Temperature monitoring relay CM-TCS.11S: temperature range -50..+50°C, width 25 mm, adjustable by potentiometer, 1 temperature sensor, 2 thresholds, overtemperature, undertemperature, window monitoring, rated control supply voltage 24-240 V AC / DC, 2 c/o, screw connection terminals

Ordering

EAN	4016779852715
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	2CDC112199D0201
Instructions and Manuals	1SVC730560M0000

Dimensions

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

Technical

Function	Overtemperature monitoring Undertemperature monitoring Over- and undertemperature monitoring 1 sensor circuit Short-circuit detection
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 mm² 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
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 60255-27

	IEC/EN 61000-6-2 IEC/EN 61000-6-3 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 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

Environmental

Ambient Air Temperature	Operation -40 ... +60 °C Storage -40 ... +85 °C
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

CCC Certificate	CCC_2018010303056014
CQC Certificate	CQC2007010303243843
cULus Certificate	cULus508_20170922-E140448
Data Sheet, Technical Information	2CDC112199D0201
Declaration of Conformity - CCC	2020980303000196
Declaration of Conformity - CE	1SVD981015-00
Declaration of Conformity - UKCA	1SVD981015-10
EAC Certificate	EAC_RU_C-DE.ME77.B.03424
Instructions and Manuals	1SVC730560M0000
RoHS Information	1SVD981015-00

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	97 mm
Package Level 1 Height	109 mm
Package Level 1 Depth / Length	30 mm
Package Level 1 Gross Weight	0.176 kg
Package Level 1 EAN	4016779852715

Classifications

Object Classification Code	B
ETIM 4	EC001446 - Temperature monitoring relay
ETIM 5	EC001446 - Temperature monitoring relay
ETIM 6	EC001446 - Temperature monitoring relay
ETIM 7	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