

PRODUCT-DETAILS

CM-TCN.011S

CM-TCN.011S Temp. monitoring relays
LCD+NFC, -200..+850°C, 24VAC/DC



General Information

Extended Product Type	CM-TCN.011S
Product ID	1SVR750740R0110
EAN	4013614552519
Catalog Description	CM-TCN.011S Temp. monitoring relays LCD+NFC, -200..+850°C, 24VAC/DC
Long Description	Temperature monitoring relay CM-TCN.011S, Temp.-range -200..+850°C, width 45mm, digital adjustable, 3 thresholds, over temperature-, under temperature-, window monitoring, A1-A2=24 V AC / DC, 3 c/o, Screw connection terminals

Ordering

EAN	4013614552519
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	2CDC112286C0201
Instructions and Manuals	1SVC750040M0001

Dimensions

Product Net Width	45 mm
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Product Net Depth / Length	103.7 mm
Product Net Height	85.6 mm
Product Net Weight	0.265 kg

Technical

Function	Overtemperature monitoring Undertemperature monitoring Over- and undertemperature monitoring
Measuring Range	-200 ... +850 °C
Sensor Type	PT100; PT1000; PTC; NTC; bimetal switch
Rated Control Supply Voltage (U _s)	24 V AC/DC
Rated Frequency (f)	Supply Circuit 50 Hz Supply Circuit 60 Hz Supply Circuit DC Hz
Output	3 x 1 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	12 V 100 mA
Rated Impulse Withstand Voltage (U _{imp})	Measuring Circuit / Output Circuit 6 kV Output Circuit 1 / Output Circuit 2 4 kV Supply Circuit / Measuring Circuit 6 kV Supply Circuit / Output Circuit 6 kV
Rated Insulation Voltage (U _i)	Measuring Circuit / Output Circuit 600 V Output Circuit 1 / Output Circuit 2 300 V Supply Circuit / Measuring Circuit 600 V Supply Circuit / Output Circuit 600 V
Degree of Protection	Housing IP50 Terminals IP20
Overvoltage Category	III
Pollution Degree	2
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	Pozidriv 1 4.5 0.8 x 4
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

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 -25 ... +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	CQC2018010303056014
cULus Certificate	cULus80947_E140448-20200622
Data Sheet, Technical Information	2CDC112286C0201
Declaration of Conformity - CCC	2020980303000208
Declaration of Conformity - CE	1SVD981067
Instructions and Manuals	1SVC750040M0001
RoHS Information	1SVD981067-0001

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	52.5 mm
Package Level 1 Gross Weight	0.293 kg
Package Level 1 EAN	4013614552519

Classifications

Object Classification Code	B
ETIM 5	EC001446 - Temperature monitoring relay
ETIM 6	EC001446 - Temperature monitoring relay
ETIM 7	EC001446 - Temperature monitoring relay
eClass	V11.0 : 27371810
UNSPSC	39122331

Categories

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

