



 PRODUCT-DETAILS

CM-TCS.011S

CM-TCS.011S Temp. monitoring relays
LCD+NFC, -200..+850°C, 24-240VAC/DC



General Information

Extended Product Type:	CM-TCS.011S
Product ID:	1SVR730740R0110
EAN:	4013614553110
Catalog Description:	CM-TCS.011S Temp. monitoring relays LCD+NFC, -200..+850°C, 24-240VAC/DC
Long Description:	<p>The CM-TCS.011S is an innovative temperature monitoring relay from the CM temperature monitors range. This monitoring 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.011S is able to measure temperatures with one sensor circuit using different type of sensors PT100, PT1000, PTC or NTC. The LCD at the front of the relay shows the currently measured value and maintenance data. The CM-TCS.011S can be configured exactly as you need either via a black-lit LCD or smartphone app. Parametrization and configuration are just one touch away with the ABB EPiC app – even in a non-powered state – reducing installation time by 80%. The device offers screw connection technology with double-chamber cage connection terminals.</p>
Display Name:	CM-TCS.011S

Ordering

EAN:	4013614553110
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Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Popular Downloads

Data Sheet, Technical Information:	2CDC112286C0201
Instructions and Manuals:	1SVC730690M0000 1SAC200259M0001
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:	0.152 kg

Technical

Function:	Overtemperature monitoring Undertemperature monitoring Over- and undertemperature monitoring
Measuring Range:	-200 ... 850 °C
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 Hz
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:	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 Pozi driv 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

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Output Circuit 300 V AC
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 -25 ... +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 Declaration:	1SVD981001-4401
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA:	2CMT2023-006536

ABB EcoSolutions

Environmental Product Declaration - EPD: 1SAC200438H0001

Certificates and Declarations

CQC Certificate:	CQC2018010303056014
CSA Certificate:	UL-CA-L140448-41-22600202-2
Declaration of Conformity - CCC:	2020980303000208
Declaration of Conformity - CE:	1SVD981086-00
Declaration of Conformity - UKCA:	1SVD981086-10
UL Certificate:	UL-US-L140448-11-22600202-2

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:	0.172 kg
Package Level 1 EAN:	4013614553110

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

Categories

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

