

PRODUCT-DETAILS

# CM-TCN.011P

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



### General Information

Extended Product Type	CM-TCN.011P
Product ID	1SVR760740R0110
EAN	4013614552625
Catalog Description	CM-TCN.011P Temp. monitoring relays LCD+NFC, -200..+850°C, 24VAC/DC
Long Description	<p>Set up these innovative temperature monitoring relays exactly as you need, either via a back-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%. And with just one relay covering a wide range of application, stocks can be reduced significantly, making ABB's Smart monitoring relays a true game changer.</p>

### Ordering

EAN	4013614552625
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

### Popular Downloads

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

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## Dimensions

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

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## Technical

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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	Screwless Terminals
Rated Operational Current AC-12 ( $I_{\theta}$ )	(230 V) 4 A
Rated Operational Current AC-15 ( $I_{\theta}$ )	(230 V) 3 A
Rated Operational Current DC-12 ( $I_{\theta}$ )	(24 V) 4 A
Rated Operational Current DC-13 ( $I_{\theta}$ )	(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 2x 0.5 ... 1.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> Flexible 2x 0.5 ... 1.5 mm <sup>2</sup> Rigid 2x 0.5 ... 1.5 mm <sup>2</sup>
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

## Technical UL/CSA

Maximum Operating Voltage UL/CSA	Output Circuit 300 V AC
Contact Rating UL/CSA	B300
Connecting Capacity UL/CSA	Flexible 2x 18-16 AWG Rigid 2x 20-16 AWG

## Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	Without Derating 2000 m
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	4013614552625

## 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

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## Categories

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

