



PRODUCT-DETAILS

CM-TCN.012P

CM-TCN.012P Temp. monitoring relays LCD+NFC+RTU, -200..+850°C, 24-240VAC/DC



概要信息

产品型号	CM-TCN.012P
产品ID	1SVR760740R0120
欧洲商品编号(EAN)	4013614552663
目录说明	CM-TCN.012P Temp. monitoring relays LCD+NFC+RTU, -200..+850°C, 24-240VAC/DC

详细描述

The CM-TCN.012P 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 3 c/o (SPDT) output with contacts rated at 250 V / 4 A. The CM-TCN.012P is able to measure temperatures with up to three sensor circuits using different type of sensors PT100, PT1000, PTC or NTC and it has embedded Modbus RTU communication interface. The LCD at the front of the relay shows the currently measured values and maintenance data. The CM-TCN.012P 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 maintenance free Easy Connect Technology with push-in terminals.

订货信息

欧洲商品编号(EAN)	4013614552663
最小起订量	1 piece

海关关税号

85364900

Popular Downloads

数据手册, 技术资料	2CDC112286C0201
说明书和手册	1SVC750040M0000 2CDC112285M0201
CAD Dimensional Drawing	2CDC001079B0201

尺寸

产品净宽	45 mm
产品净高	85.6 mm
产品净深	103.7 mm
产品净重	0.27 kg

技术参数

功能	Overtemperature monitoring Undertemperature monitoring Over- and undertemperature monitoring
测量范围	-200 ... +850 °C
传感器类型	PT100; PT1000; PTC; NTC; bimetal switch
额定控制供电电压 (U _s)	24 ... 240 V AC/DC
额定频率 (f)	Supply Circuit 50 Hz Supply Circuit 60 Hz Supply Circuit DC Hz
输出	3 x 1 c/o contacts, configurable
端子类型	Screwless Terminals
额定工作电流 AC-12 (I _e)	(230 V) 4 A
额定工作电流 AC-15 (I _e)	(230 V) 3 A
额定工作电流 DC-12 (I _e)	(24 V) 4 A
额定工作电流 DC-13 (I _e)	(24 V) 2 A
最小切换容量	12 V 100 mA
额定冲击耐受电压 (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
额定绝缘电压 (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
防护等级	Housing IP50 Terminals IP20
过电压类别	III
污染等级	2
短路保护设备	Output Circuit NC - F Type Fuses 6 A Output Circuit NO - F Type Fuses 10 A
电气寿命	AC-12 100000 cycle
机械寿命	30000000 cycle
连接容量	Flexible with Ferrule 2x 0.5 ... 1.5 mm ² Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm ² Flexible 2x 0.5 ... 1.5 mm ² Rigid 2x 0.5 ... 1.5 mm ²

剥线长度	8 mm
安装位置	1 ... 6
安装到DIN导轨上	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

UL/CSA适用的技术参数

最高工作电压UL/CSA	Output Circuit 300 V AC
接触等级UL/CSA	B300
连接容量UL/CSA	Flexible 2x 18-16 AWG Rigid 2x 20-16 AWG
接触元件的引导功率符合UL508标准	B300

环境条件

周围环境温度	Operation -25 ... +60 °C Storage -40 ... +85 °C
允许的最高工作海拔	Without Derating 2000 m

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SVD981001-4501
RoHS信息	1SVD981001-4401
RoHS状态	Following EU Directive 2011/65/EU
Toxic Substances Control Act - TSCA	2CMT2023-006536

Circular Value

环境信息	1SAC200220H0001
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认证及声明（文件编码）

CQC认证	CQC2018010303056014
CSA 认证	UL-CA-L140448-41-22600202-1
Declaration of Conformity - CCC	2020980303000208
符合性声明 - CE	1SVD981067-00
Declaration of Conformity - UKCA	1SVD981067-10
UL认证	UL-US-L140448-11-22600202-1

包装信息

1级包装单元	box 1 piece
1级包装宽度	97 mm
1级包装长度	52.5 mm
1级包装高度	109 mm
1级包装 总重	0.299 kg

1级包装 EAN

4013614552663

分类

对象分类代码	B
ETIM 7	EC001446 - Temperature monitoring relay
ETIM 8	EC001446 - Temperature monitoring relay
ETIM 9	EC001446 - Temperature monitoring relay
e级	V11.0 : 27371810
UNSPSC	39122331
E-Number (Norway)	4187799

分类

低压产品及系统 → 控制产品 → 电子继电器与控制器件 → 温度监视继电器

