

PRODUCT-DETAILS

CM-TCN.012S

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



Informations générales

Extension du type de produit	CM-TCN.012S
Code de produit	1SVR750740R0120
EAN	4013614553035
Description courte	CM-TCN.012S Temp. monitoring relays LCD+NFC+RTU, -200..+850°C, 24-240VAC/DC

Description longue

The CM-TCN.012S 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.012S 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.012S 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.

Commande

EAN	4013614553035
Quantité minimum	1 pièce
Code douanier	85364900

Downloads Préférés

Fiche produit, informations techniques	2CDC112286C0201
Instructions et manuels	1SVC750040M0000 2CDC112285M0201
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Produit Largeur Net	45 mm
Produit Hauteur Net	85.6 mm
Produit Longueur Net	103.7 mm
Poids net	0.27 kg

Technique

Fonction	Overtemperature monitoring Undertemperature monitoring Over- and undertemperature monitoring
Plage de mesure	-200 ... +850 °C
Sensor Type	PT100; PT1000; PTC; NTC; bimetal switch
Rated Control Supply Voltage (U_s)	24 ... 240 V AC/DC
Fréquence assignée (f)	Supply Circuit 50 Hz Supply Circuit 60 Hz Supply Circuit DC Hz
Sortie	3 x 1 c/o contacts, configurable
Type de borne	Screw Terminals
Rated Operational Current AC-12 (I_{θ})	(230 V) 4 A
Courant assignée d'emploi AC-15 (I_{θ})	(230 V) 3 A
Rated Operational Current DC-12 (I_{θ})	(24 V) 4 A
Courant assignée d'emploi DC-13 (I_{θ})	(24 V) 2 A
Minimum Switching Capacity	12 V 100 mA
Tension assignée de tenue aux chocs (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
Tension assignée d'isolement (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
Indice de protection	Housing IP50 Terminals IP20
Catégorie de Surtension	III
Degré de pollution	2
Dispositif de protection contre les courts-circuits	Output Circuit NC - F Type Fuses 6 A Output Circuit NO - F Type Fuses 10 A
Electrical Durability	AC-12 100000 cycle
Durabilité mécanique	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
Couple de serrage	0.6 ... 0.8 N·m
Wire Stripping Length	8 mm
Recommended Screw Driver	0.8 x 4 4.5 Pozidriv 1
Type d'encastrement	1 ... 6
Montage sur rail DIN	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

Technique 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
Pilot Duty UL/CSA	B300

Environnement

Température de l'air ambiant	Operation -25 ... +60 °C Storage -40 ... +85 °C
Altitude de fonctionnement maximale autorisée	Without Derating 2000 m
Statut RoHS	Following EU Directive 2011/65/EU

Certificats et Déclarations (Numéro de document)

CQC Certificate	CQC2018010303056014
Certificat CSA	UL-CA-L140448-41-22600202-1
Declaration of Conformity - CCC	2020980303000208
Déclaration de Conformité - CE	1SVD981067-00
Declaration of Conformity - UKCA	1SVD981067-10
Certificat UL	UL-US-L140448-11-22600202-1

Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	97 mm
Emballage Niveau 1 Longueur	52.5 mm
Emballage Niveau 1 Hauteur	109 mm
Emballage Niveau 1 Poids	0.299 kg
Emballage Niveau 1 EAN	4013614553035

Classifications

Code de classification d'objet	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

Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Relais électroniques → Contrôle des températures

