

PRODUCT-DETAILS

# CM-MSS.51S

## CM-MSS.51S Therm. motor protec. relay 2x1c/o, 24-240VAC/DC



### Informations générales

Extension du type de produit	CM-MSS.51S
Code de produit	1SVR730712R1300
EAN	4013614496660
Description courte	CM-MSS.51S Therm. motor protec. relay 2x1c/o, 24-240VAC/DC

### Description longue

The CM-MSS.51S belongs to the CM thermistor motor protection relay range. It 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. It features two sensor circuit to monitor PTC temperature sensors (single or accumulative evaluation, configurable) and works according to the closed-circuit principle. The sensor circuits of this CM-MSS.51S are short-circuit (configurable), as well as interrupted-wire monitored and can be reset automatically, manually or remotely after the failure has been removed. This protection relay is certified according to the ATEX directive 94/9/EC and is equipped with a reset / test button. The non-volatile fault storage, the short circuit detection and the accumulative evaluation can be enabled/disabled via DIP switches. A sealable transparent cover for protection against unauthorized changes is available as accessory. The device offers screw connection technology with double-chamber cage connection terminals.

### Commande

EAN	4013614496660
Quantité minimum	1 pièce
Code douanier	85364900

### Downloads Préférés

Fiche produit, informations techniques	2CDC112214D0201
Instructions et manuels	1SVC730700M1000 1SVC730700M0000
Ex Operating Instructions	1SVC730640M9000
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Produit Largeur Net	22.5 mm
Produit Hauteur Net	85.6 mm
Produit Longueur Net	103.7 mm
Poids net	0.145 kg

## Technique

Fonction	2 sensor circuits Auto, manual or remote reset ATEX approved Dynamic interrupted wire detection Short-circuit detection, configurable Non-volatile fault storage, configurable Single or accumulative evaluation, configurable
Rated Control Supply Voltage ( $U_s$ )	24 ... 240 V AC/DC
Tension	Circuit auxiliaire 250 V AC
Fréquence assignée (f)	Supply Circuit 15 ... 400 Hz
Sortie	2 x 1 c/o or 1 x 2 c/o contacts, configurable
Type de borne	Screw Terminals
Rated Operational Current AC-12 ( $I_{\theta}$ )	(230 V) 4 A
Courant assignée d'emploi AC-15 ( $I_{\theta}$ )	(230 V) 3 A
Rated Operational Current DC-12 ( $I_{\theta}$ )	(24 V) 4 A
Courant assignée d'emploi DC-13 ( $I_{\theta}$ )	(24 V) 2 A
Minimum Switching Capacity	24 V 10 mA
Tension assignée de tenue aux chocs ( $U_{imp}$ )	Output Circuit 1 / Output Circuit 2 4 kV Output Circuit 4 kV
Tension assignée d'isolement ( $U_i$ )	Measuring Circuit / Output Circuit 300 V Output Circuit 1 / Output Circuit 2 300 V Supply Circuit / Measuring Circuit 300 V Supply Circuit / Output Circuit 300 V
Indice de protection	Housing IP50 Terminals IP20
Catégorie de Surtension	III
Degré de pollution	3
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 mecanique	30000000 cycle
Connecting Capacity	Flexible 1x 0.5 ... 2.5 mm <sup>2</sup> Flexible 2x 0.5 ... 1.5 mm <sup>2</sup> Rigid 1x 0.5 ... 4 mm <sup>2</sup> Rigid 2x 0.5 ... 2.5 mm <sup>2</sup>
Couple de serrage	0.6 ... 0.8 N·m

Wire Stripping Length	8 mm
Recommended Screw Driver	4.5 0.8 x 4 Pozidriv 1
Type d'encastrement	1 ... 6
Montage sur rail DIN	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Normes et standards	CAN/CSA C22.2 No. 14 EN 50495 IEC/EN 63000 IEC/EN 60079-7 IEC/EN 60947-5-1 IEC/EN 60947-8 UL 508

## 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 2x 20-14 AWG Rigid 1x 20-12 AWG
Tightening Torque UL/CSA	7.08 in-lb
Pilot Duty UL/CSA	B300
Flammability According to UL94	V-0

## Environnement

Température de l'air ambiant	Operation -25 ... +60 °C Storage -40 ... +85 °C
Altitude de fonctionnement maximale autorisée	Without Derating 2000 m
REACH Declaration	1SVD981001-4501
Informations RoHS	1SVD981007
Statut RoHS	Following EU Directive 2011/65/EU

## Valeur Circulaire

Instructions relatives à la fin de vie	1SAC200290H0001
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## Certificats et Déclarations (Numéro de document)

Certificat ATEX	EU Type Examination Certificate_TPS_18_ATEX_044254_0018_X
CB Certificate	CB_DK-40837-UL
CCC Certificate	CCC_2005010303165479
CQC Certificate	CQC2005010303165479
Certificat ecULus	cULus508_20140912-E140448
Declaration of Conformity - CCC	2020980303000194
Déclaration de Conformité - CE	1SVD981007
Declaration of Conformity	1SVD981007-10

- UKCA

DNV GL Certificate

DNVGL\_TAE00003W4

EAC Certificate

EAC\_RU\_C-DE.ME77.B.01825

## Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	97 mm
Emballage Niveau 1 Longueur	30 mm
Emballage Niveau 1 Hauteur	109 mm
Emballage Niveau 1 Poids	0.172 kg
Emballage Niveau 1 EAN	4013614496660

## Classifications

Code de classification d'objet	B
ETIM 7	EC002568 - Relay for thermistor protection (PTC)
ETIM 8	EC002568 - Relay for thermistor protection (PTC)
ETIM 9	EC002568 - Relay for thermistor protection (PTC)
eClass	V11.0 : 27371503
UNSPSC	39122331
E-Number (Finland)	2712514
E-Number (Sweden)	3860777

## Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Relais électroniques → Relais de protection des moteurs à thermistances

