

PRODUCT-DETAILS

# CM-MPS.43S

## CM-MPS.43S Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3=3x300-500VAC



### Informations générales

Extension du type de produit	CM-MPS.43S
Code de produit	1SVR730884R4300
EAN	4016779851879

Description courte CM-MPS.43S Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3=3x300-500VAC

Description longue The CM-MPN.43S is a multifunctional relay from the CM three-phase monitors range. It operates with a rated control supply voltage / three-phase measuring voltage of 300-500 V AC 50/60/400 Hz and has a 2 c/o (SPDT) output with contacts rated at 250 V / 4 A. This relay monitors all phase parameters such as over/undervoltage, phase unbalance and phase failure. The corresponding threshold values are adjustable. The CM-MPN.43S also offers selection of phase sequence monitoring, automatic phase sequence correction as well as an ON or OFF tripping delay. The output contacts can be configured as 1x2 c/o (SPDT) contacts (common signal) or 2x1 c/o (SPDT) contact (separate signal for over- and undervoltage thresholds) operation. The tripping delay is adjustable over a range of instantaneous to 30 s (0, 0.1-30 s). 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	4016779851879
Quantité minimum	1 pièce
Code douanier	85364900

### Downloads Préférés

Fiche produit, informations techniques	2CDC112204D0201
Instructions et manuels	1SVC730730M1000 1SVC730730M0000
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	0.148 kg

## Technique

Fonction	Automatic phase sequence correction Over- and undervoltage monitoring Phase failure detection Phase unbalance detection Phase sequence monitoring
Plage de mesure	(L-L) 300 ... 500 V AC
Time Range	0 s or 0.1 ... 30 s tripping delay (ON or OFF) 200 ms start-up delay
Rated Control Supply Voltage ( $U_s$ )	(L-L) 300 ... 500 V AC
Fréquence assignée (f)	Supply Circuit 50/60/400 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 ( $I_e$ )	(230 V) 4 A
Courant assignée d'emploi AC-15 ( $I_e$ )	(230 V) 3 A
Rated Operational Current DC-12 ( $I_e$ )	(24 V) 4 A
Courant assignée d'emploi DC-13 ( $I_e$ )	(24 V) 2 A
Minimum Switching Capacity	24 V 10 mA
Tension assignée de tenue aux chocs ( $U_{imp}$ )	Input Circuit 6 kV Output Circuit 4 kV
Tension assignée d'isolement ( $U_i$ )	Input Circuit / Output Circuit 600 V Output Circuit 1 / Output Circuit 2 300 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
Durabilite mecanique	30000000 cycle
Connecting Capacity	Flexible with Ferrule 1x 0.5 ... 2.5 mm <sup>2</sup> Flexible with Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> 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 Poizidriv 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 IEC/EN 63000 IEC/EN 60255-27 IEC/EN 61000-6-2 IEC/EN 61000-6-3 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	1SVD981014-00
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)

CB Certificate	CB_DK-27947-UL
CQC Certificate	CQC2009010303326655
Certificat ecULus	cULus508_20120829-E140448
Declaration of Conformity - CCC	2020980303000197
Déclaration de Conformité - CE	1SVD981014-00
Declaration of Conformity - UKCA	1SVD981014-10
DNV GL Certificate	DNV_GL_TAA000017D

EAC Certificate

EAC\_RU\_C-DE.ME77.B.03424

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## Emballage

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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	0.173 kg
Emballage Niveau 1 EAN	4016779851879

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## Classifications

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Code de classification d'objet	B
ETIM 7	EC001441 - Phase monitoring relay
ETIM 8	EC001441 - Phase monitoring relay
ETIM 9	EC001441 - Phase monitoring relay
eClass	V11.0 : 27371803
UNSPSC	39122332
E-Number (Finland)	2712280
E-Number (Sweden)	3860588

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## Catégories

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Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Relais électroniques → Three Phase Monitors

