

PRODUCT-DETAILS

CM-ESS.2S

CM-ESS.2S Voltage monitoring relay 2c/o, B-C=3-600VRMS, 24-240VAC/DC



Informations générales

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|------------------------------|--|
| Extension du type de produit | CM-ESS.2S |
| Code de produit | 1SVR730830R0400 |
| EAN | 4016779852166 |
| Description courte | CM-ESS.2S Voltage monitoring relay 2c/o, B-C=3-600VRMS, 24-240VAC/DC |

Description longue

The CM-ESS.2S is a single-functional voltage monitoring relay from the CM single-phase monitors range. This monitoring relay 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 provides a RMS measuring principle for DC and AC voltages with 4 measuring ranges: 3-30 V, 6-60 V, 30-300 V and 60-600 V and works according to the open-circuit principle. The CM-ESS.2S is configurable for over- or undervoltage monitoring. The hysteresis is adjustable within a range of 3 to 30 % of the threshold value and 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

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| EAN | 4016779852166 |
| Quantité minimum | 1 pièce |
| Code douanier | 85364900 |

Downloads Préférés

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|-----------------------------|-----------------|
| Fiche produit, informations | 2CDC112172D0201 |
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techniques

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|-------------------------|------------------------------------|
| Instructions et manuels | 1SVC730710M1000 1SVC730710M0000 |
| CAD Dimensional Drawing | 2CDC001079B0201 |

Dimensions

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|----------------------|----------|
| Produit Largeur Net | 22.5 mm |
| Produit Hauteur Net | 85.6 mm |
| Produit Longueur Net | 103.7 mm |
| Poids net | 0.153 kg |

Technique

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| Fonction | Over- or undervoltage monitoring |
| Plage de mesure | 3 ... 30 V 6 ... 60 V 30 ... 300 V 60 ... 600 V |
| Time Range | 0 s or 0.1 ... 30 s tripping delay (ON) |
| Rated Control Supply Voltage (U_s) | 24 ... 240 V AC/DC |
| Sortie | 2 c/o (SPDT) contacts |
| 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 | 24 V 10 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 4 kV |
| Tension assignée d'isolement (U_i) | Measuring Circuit / Output Circuit 600 V Output Circuit 1 / Output Circuit 2 250 V Supply Circuit / Measuring Circuit 600 V Supply Circuit / Output Circuit 250 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 10 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 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 |

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| 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 |
| 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

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|----------------------------------|--|
| 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 |
| Flammability According to UL94 | V-0 |

Environnement

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| Température de l'air ambiant | Operation -20 ... +60 °C Storage -40 ... +85 °C |
| Altitude de fonctionnement maximale autorisée | Without Derating 2000 m |
| REACH Declaration | 1SVD981001-4501 |
| Informations RoHS | 1SVD981013-00 |
| Statut RoHS | Following EU Directive 2011/65/EU |

Valeur Circulaire

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

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|----------------------------------|---------------------------|
| CB Certificate | CB_DK-28255-UL |
| CQC Certificate | CQC2007010303243843 |
| Certificat ecULus | cULus508_20120203-E140448 |
| Declaration of Conformity - CCC | 2020980303000196 |
| Déclaration de Conformité - CE | 1SVD981013-00 |
| Declaration of Conformity - UKCA | 1SVD981013-10 |
| DNV GL Certificate | DVN_GL_TAA0000292 |
| EAC Certificate | EAC_RU_C-DE.ME77.B.03424 |

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 | 0.176 kg |
| Emballage Niveau 1 EAN | 4016779852166 |

Classifications

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|--------------------------------|-------------------------------------|
| Code de classification d'objet | B |
| ETIM 7 | EC001438 - Voltage monitoring relay |
| ETIM 8 | EC001438 - Voltage monitoring relay |
| ETIM 9 | EC001438 - Voltage monitoring relay |
| eClass | V11.0 : 27371801 |
| UNSPSC | 39122332 |
| E-Number (Finland) | 2712250 |
| E-Number (Sweden) | 3860619 |

Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Relais électroniques → Contrôle de réseau monophasé
 Produits et Systèmes Moyenne Tension → Service → Pièces détachées → Parts → All Spare Parts (Relays-SWG-CB)

