

PRODUCT-DETAILS

# CM-ENS.21P

## CM-ENS.21P Liquid level monitoring relay 1c/o, sensitivity 0.1-1000kOhm



### Informations générales

|                              |  |
|------------------------------|--|
| Extension du type de produit | CM-ENS.21P   |
| Code de produit              | 1SVR740850R0200  |
| EAN                          | 4013614502866  |
| Description courte           | CM-ENS.21P Liquid level monitoring relay 1c/o, sensitivity 0.1-1000kOhm  |
| Description longue           | <p>The CM-ENS.21P belongs to the CM liquid level monitoring relay range. It operates with a rated control supply voltage of 24 - 240 V AC/DC and has a 1 c/o (SPDT) output with contacts rated at 250 V / 4 A. It monitors liquid levels of conductive fluids and protects pumps against dry running or tanks against overflow. The working principle as well as the sensitivity can be selected via front-face potentiometers. Several electrodes and a sealable transparent cover for protection against unauthorized changes are available as accessory. The device offers maintenance free Easy Connect Technology with push-in terminals.</p> |

### Commande

|                  |               |
|------------------|---------------|
| EAN              | 4013614502866 |
| Quantité minimum | 1 pièce       |
| Code douanier    | 85364900      |

### Downloads Préférés

|  |                                    |
|--|------------------------------------|
| Fiche produit, informations techniques | 2CDC112229D0201                    |
| Instructions et manuels                | 1SVC730680M1001<br>1SVC730680M0001 |

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            | 0.117 kg |

## Technique

|   |   |
|---|---|
| Fonction  | Filling or draining monitoring  |
| Number of Electrodes                                | 3   |
| Plage de mesure                                     | 0<br>1 ... 1000 kΩ  |
| Rated Control Supply Voltage ( $U_s$ )              | 24 ... 240 V AC/DC  |
| Fréquence assignée (f)                              | Supply Circuit 50/60 Hz   |
| Sortie  | 1 c/o (SPDT) contact  |
| Type de borne                                       | Screwless Terminals   |
| Rated Operational Current AC-12 ( $I_a$ )           | (230 V) 4 A   |
| Courant assignée d'emploi AC-15 ( $I_a$ )           | (230 V) 3 A   |
| Rated Operational Current DC-12 ( $I_a$ )           | (24 V) 4 A  |
| Courant assignée d'emploi DC-13 ( $I_a$ )           | (24 V) 2 A  |
| Minimum Switching Capacity                          | 12 V<br>10 mA   |
| Tension assignée de tenue aux chocs ( $U_{imp}$ )   | Measuring Circuit / Output Circuit 4 kV<br>Output Circuit 1 / Output Circuit 2 4 kV<br>Supply Circuit / Measuring Circuit 4 kV<br>Supply Circuit / Output Circuit 4 kV                                    |
| Tension assignée d'isolement ( $U_i$ )              | Measuring Circuit / Output Circuit 300 V<br>Output Circuit 1 / Output Circuit 2 300 V<br>Supply Circuit / Measuring Circuit 300 V<br>Supply Circuit / Output Circuit 300 V                                |
| Indice de protection                                | Housing IP50<br>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<br>Output Circuit NO - F Type Fuses 10 A   |
| Electrical Durability                               | AC-12 100000 cycle  |
| Durabilite mecanique                                | 1000000 cycle   |
| Connecting Capacity                                 | Flexible with Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup><br>Flexible 2x 0.5 ... 1.5 mm <sup>2</sup><br>Rigid 2x 0.5 ... 1.5 mm <sup>2</sup> |
| Couple de serrage                                   | Control Circuit 0.9 N·m<br>Main Circuit 1 N·m   |
| Wire Stripping Length                               | 8 mm<br>Main Circuit 10 mm  |
| Type d'encastrement                                 | 1 ... 5<br>1 ... 6  |
| Montage sur rail DIN                                | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715  |

|                     |  |
|---------------------|--|
| Normes et standards | CAN/CSA C22.2 No.14<br>IEC/EN 63000<br>IEC/EN 60255-27<br>IEC/EN 61000-6-2<br>IEC/EN 61000-6-3<br>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 2x 18-16 AWG<br>Rigid 2x 20-16 AWG |
| Pilot Duty UL/CSA                | B300  |

## Environnement

|   |  |
|---|--|
| Température de l'air ambiant                  | Operation -25 ... +60 °C<br>Storage -40 ... +85 °C |
| Altitude de fonctionnement maximale autorisée | Without Derating 2000 m                            |
| REACH Declaration                             | 1SVD981001-4501                                    |
| Informations RoHS                             | 1SVD981005-00                                      |
| Statut RoHS                                   | Following EU Directive 2011/65/EU                  |

## Valeur Circulaire

|  |                 |
|--|-----------------|
| Instructions relatives à la fin de vie | 1SAC200290H0001 |
|--|-----------------|

## Certificats et Déclarations (Numéro de document)

|                                  |                           |
|----------------------------------|---------------------------|
| CQC Certificate                  | CQC2015010303819793       |
| Certificat ecULus                | cULus508_20150627-E140448 |
| Declaration of Conformity - CCC  | 2020980303000198          |
| Déclaration de Conformité - CE   | 1SVD981005-00             |
| Declaration of Conformity - UKCA | 1SVD981005-10             |
| DNV GL Certificate               | DNV_GL_TAA00000RW         |
| EAC Certificate                  | EAC_RU_C-DE.ME77.B.02330  |

## 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    | 0.142 kg    |

Emballage Niveau 1 EAN

4013614502866

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## Classifications

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|                                |  |
|--------------------------------|--|
| Code de classification d'objet | B  |
| ETIM 7                         | EC001447 - (Fill) level monitoring relay |
| ETIM 8                         | EC001447 - (Fill) level monitoring relay |
| ETIM 9                         | EC001447 - (Fill) level monitoring relay |
| eClass                         | V11.0 : 27371813                         |
| UNSPSC                         | 39122331                                 |
| E-Number (Finland)             | 2712572                                  |

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## Catégories

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Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Relais électroniques → Contrôle et réglage des niveaux de liquide → CM-Enx

