

PRODUCT-DETAILS

# Sentry USR22

## Sentry USR22 Safety relay



### Informations générales

|                              |                           |
|------------------------------|---------------------------|
| Extension du type de produit | Sentry USR22              |
| Code de produit              | 2TLA010070R0400           |
| EAN                          | 7350024483383             |
| Description courte           | Sentry USR22 Safety relay |

Sentry USR22 Universal safety relay with relay outputs 2NO+2 delayable NO, +24VDC power supply and screw terminals. For monitoring of safety devices with contacts, 1 or 2 equivalent or antivalent channels, safety devices with OSSD outputs, two-hand devices, safety mats and safety edges/bumpers. Timer function 0-999 seconds with a better accuracy than 1%: OFF-delay, ON-delay, Time bypass and Time reset. A display on front facilitates configuration and troubleshooting by displaying error codes and error log. A custom configuration can be protected by password. Manual or automatic reset selectable.

#### Description longue

Sentry safety relays cover various types of safety applications up to PLe / SIL3. Basic models provide reliable supervision of simpler safety functions, while universal models provide advanced features and high flexibility. Models with display offer preset configurations and extensive information to further simplify troubleshooting. Additional variants offer a high accuracy timer function of  $\pm 1\%$  and an adjustable time setting range from 0-999 s. High output current capacity of up to 6 A can save the use of an intermediary contactor. Multi-reset allows up to 10 safety relays connected to one reset light-button. All models are available with detachable push-in or screw terminals. Terminals and coding kit to mark removed terminals are available as accessories.

### Commande

|                     |   |
|---------------------|---|
| Quantité minimum    | 1 pièce   |
| Code douanier       | 85364900  |
| Groupe de produit   | USR   |
| Type de produit     | Safety relay  |
| Fonction            | Safety relay for monitoring of safety devices   |
| Sub-Function        | Start/test input, configurable Manual/Auto reset and Timer, Display (error indication and error log)            |
| Fonctions spéciales | Configurable (manual/auto reset, type of input, timer type, time) with display (error indication and error log) |

## Downloads Préférés

|  |                                    |
|--|------------------------------------|
| Fiche produit, informations techniques | 2TLC010037L0201                    |
| Instructions et manuels                | 2TLC010073M0201                    |
| Schéma dimensionnel                    | 2TLC010001U0201                    |
| Wiring Diagram                         | 2TLC010017T0001                    |
| CAD Dimensional Drawing                | 2CDC001079B0201                    |
| Marketing Video                        | 2TLC010019N0201<br>2TLC010018N0201 |

## Dimensions

|                      |          |
|----------------------|----------|
| Produit Longueur Net | 120 mm   |
| Produit Hauteur Net  | 120 mm   |
| Produit Largeur Net  | 22.5 mm  |
| Poids net            | 0.229 kg |

## Safety Information

|                              |   |
|------------------------------|---|
| Agence de certification      | cULus<br>TÜV SÜD<br>CE<br>CCC<br>RCM<br>S<br>UKCA<br>KC |
| Performance Level (PL)       | Up to e   |
| Safety Integrity Level (SIL) | 3   |

## Technique

|  |  |
|--|--|
| Nombre de sorties                              | Failsafe, Delayed Contacts 2<br>Failsafe (Relay) 2 |
| Rated Control Supply Voltage (U <sub>s</sub> ) | 24 V DC  |
| Time Range                                     | 0 ... 999 seconds                                  |

## Environnement

|                              |  |
|------------------------------|--|
| Température de l'air ambiant | Operation -25 ... +65 °C<br>Storage -40 ... +70 °C |
| Indice de protection         | IP20   |

10% ... 90%; no icing; occasional condensation

Informations RoHS

2CMT2022-006499

Statut RoHS

Following EU Directive 2011/65/EU

## Certificats et Déclarations (Numéro de document)

|                                     |                     |
|-------------------------------------|---------------------|
| CQC Certificate                     | CQC2017010303977544 |
| Certificat cUL                      | 2TLC010006D0201     |
| Certificat ecULus                   | 2TLC010007D0201     |
| Declaration of Conformity<br>- CCC  | 2020980303000244    |
| Déclaration de Conformité<br>- CE   | 2TLC010010D0201     |
| Declaration of Conformity<br>- UKCA | 2TLC010190D0201     |
| KC Certificate                      | 2TLC010048D0201     |
| Certificat TÜV                      | 2TLC010008D0201     |

## Emballage

|                                |               |
|--------------------------------|---------------|
| Emballage Niveau 1<br>Unités   | box 1 pièce   |
| Emballage Niveau 1<br>Largeur  | 125 mm        |
| Emballage Niveau 1<br>Longueur | 31 mm         |
| Emballage Niveau 1<br>Hauteur  | 129 mm        |
| Emballage Niveau 1 Poids       | 0.29 kg       |
| Emballage Niveau 1 EAN         | 7350024483383 |

## Classifications

|   |   |
|---|---|
| eClass                                      | V11.0 : 27371819  |
| ETIM 7                                      | EC001449 - Device for monitoring of safety-related circuits |
| ETIM 8                                      | EC001449 - Device for monitoring of safety-related circuits |
| ETIM 9                                      | EC001449 - Device for monitoring of safety-related circuits |
| Code de catégorie<br>granulaire IDEA (IGCC) | 5367 >> Control relay                                       |
| UNSPSC                                      | 39122331  |
| Code de classification<br>d'objet           | K   |
| E-Number (Finland)                          | 2712532   |
| E-Number (Sweden)                           | 3860829   |

## Accessories

| Identifiant     | Description                | Type        | Quantity | Unit Of Measure |
|-----------------|----------------------------|-------------|----------|-----------------|
| 2TLA010099R0000 | Sentry S30A Terminal block | Sentry S30A | 1        | piece           |
| 2TLA010099R0100 | Sentry S30B Coding kit     | Sentry S30B | 1        | piece           |
| 2TLA010099R0001 | Sentry S30C Terminal block | Sentry S30C | 1        | piece           |

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## Catégories

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Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Produits pour la sécurité → Relais de sécurité → Safety Timers

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Produits pour la sécurité → Relais de sécurité → Universal Safety Relays

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Relais électroniques → Relais de sécurité → Safety Timers

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Relais électroniques → Relais de sécurité → Universal Safety Relays

