

PRODUCT-DETAILS

# Sentry SSR42

## Sentry SSR42 Safety relay



### Informations générales

|                              |  |
|------------------------------|--|
| Extension du type de produit | Sentry SSR42   |
| Code de produit              | 2TLA010053R0400  |
| EAN                          | 7350024483338  |
| Description courte           | Sentry SSR42 Safety relay  |
| Description longue           | <p>Sentry SSR42 Safety relay with relay outputs 2NO+2 delayed NO, +24 VDC supply voltage and screw terminals.</p> <p>For monitoring of safety devices with contacts, 1 or 2 equivalent channels, and safety devices with OSSD outputs.</p> <p>Manual or automatic reset selectable by switch on front.</p> <p>The two delayed NO relay outputs have an OFF-delay time of 1,5 seconds.</p> <p>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.</p> <p>Models with display offer preset configurations and extensive information to further simplify troubleshooting.</p> <p>Additional variants offer a high accuracy timer function of <math>\pm 1\%</math> and an adjustable time setting range from 0-999 s.</p> <p>High output current capacity of up to 6 A can save the use of an intermediary contactor.</p> <p>Multi-reset allows up to 10 safety relays connected to one reset light-button.</p> <p>All models are available with detachable push-in or screw terminals. Terminals and coding kit to mark removed terminals are available as accessories.</p> |

### Commande

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

|                     |  |
|---------------------|--|
| Groupe de produit   | SSR  |
| Type de produit     | Safety relay   |
| Fonction            | Safety relay for monitoring of safety devices            |
| Sub-Function        | Start/test input, Manual/Auto reset selectable by switch |
| Fonctions spéciales | Manual/Auto reset selectable by switch                   |

## Downloads Préférés

|  |                                    |
|--|------------------------------------|
| Fiche produit, informations techniques | 2TLC010037L0201                    |
| Instructions et manuels                | 2TLC010068M0201                    |
| Schéma dimensionnel                    | 2TLC010001U0201                    |
| Wiring Diagram                         | 2TLC010018T0001                    |
| 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            | 0.207 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                                     | 1.5 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       | 0.268 kg      |
| Emballage Niveau 1 EAN         | 7350024483338 |

## 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)                          | 2712527   |
| E-Number (Sweden)                           | 3860824   |

## 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 → Single Function Safety Relays

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

