

PRODUCT-DETAILS

# Sentry SSR20

## Sentry SSR20 Safety relay



### Información General

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tipo de producto extendido | Sentry SSR20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Código de producto         | 2TLA010051R0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EAN                        | 7350024483307                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Descripción corta          | Sentry SSR20 Safety relay                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Descripción larga          | <p>Sentry SSR20 Safety relay with relay outputs 3NO+1NC, +24 VDC supply voltage and screw terminals.<br/>For monitoring of two-hand devices.<br/>Manual or automatic reset selectable by switch on front.</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. Models with display offer preset configurations and extensive information to further simplify troubleshooting. 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. 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> |

### Clasificación

|     |               |
|-----|---------------|
| EAN | 7350024483307 |
|-----|---------------|

|                           |          |
|---------------------------|----------|
| Cantidad mínima de pedido | 1 piece  |
| Código arancelario        | 85364900 |

## Descargas Populares

|                                    |                                    |
|------------------------------------|------------------------------------|
| Ficha técnica, información técnica | 2TLC010037L0201                    |
| Instrucciones y manuales           | 2TLC010065M0201                    |
| Dibujo dimensional CAD             | 2CDC001079B0201                    |
| Diagrama de dimensiones            | 2TLC010001U0201                    |
| Diagrama de cableado               | 2TLC010009T0001                    |
| Vídeo de marketing                 | 2TLC010019N0201<br>2TLC010018N0201 |

## Dimensiones

|                   |          |
|-------------------|----------|
| Ancho del product | 22.5 mm  |
| Alto del producto | 120 mm   |
| Largo del product | 120 mm   |
| Peso del product  | 0.207 kg |

## Technical

|                                                              |                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Función                                                      | Safety relay for monitoring of two-hand devices                                                                                                                                                                                                                        |
| Subfunción                                                   | Start/test input, Manual/Auto reset selectable by switch                                                                                                                                                                                                               |
| Tipo de relé temporizador                                    | No Time Delay                                                                                                                                                                                                                                                          |
| Tensión nominal de alimentación de control (U <sub>s</sub> ) | 24 V DC                                                                                                                                                                                                                                                                |
| Corriente nominal de funcionamiento AC-15 (I <sub>e</sub> )  | 5 A                                                                                                                                                                                                                                                                    |
| Corriente nominal de funcionamiento DC-13 (I <sub>e</sub> )  | 6 A                                                                                                                                                                                                                                                                    |
| Grado de protección                                          | IP20                                                                                                                                                                                                                                                                   |
| Capacidad de conexión                                        | Crimped Pin 1x0.2...3.3 mm <sup>2</sup><br>Crimped Pin 2x0.2...1.5 mm <sup>2</sup><br>Flexible with Ferrule 1x0.2...3.3 mm <sup>2</sup><br>Flexible with Ferrule 2x0.2...1.5 mm <sup>2</sup><br>Solid 1x0.2...3.3 mm <sup>2</sup><br>Solid 2x0.2...1.5 mm <sup>2</sup> |
| Par de apriete                                               | 0.7 N·m                                                                                                                                                                                                                                                                |
| Longitud de pelado del cable                                 | 6.5 mm                                                                                                                                                                                                                                                                 |
| Destornillador recomendado                                   | M3.5                                                                                                                                                                                                                                                                   |
| Montaje en contactores                                       | 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                                                                                                                                                         |
| Normas                                                       | ISO 13849                                                                                                                                                                                                                                                              |

## Technical UL/CSA

Capacidad de conexión  
UL/CSA

Crimped Pin 1x 24-12 AWG  
Crimped Pin 2x 24-16 AWG  
Flexible with Ferrule 1x 24-12 AWG  
Flexible with Ferrule 2x 24-16 AWG  
Solid 1x 24-12 AWG  
Solid 2x 24-16 AWG

## Ambiente

Temperatura ambiente

Funcionamiento -25 ... +65 °C  
Almacenamiento -40 ... +70 °C

## Material Compliance

|                                                            |                       |
|------------------------------------------------------------|-----------------------|
| Plantilla de notificación de minerales de conflicto (CMRT) | 9AKK108467A5658       |
| Declaración REACH                                          | No declaration needed |
| Información sobre RoHS                                     | 2CMT2022-006499       |

## Certificados y Declaraciones (Número de Documento)

|                                   |                     |
|-----------------------------------|---------------------|
| Certificado CQC                   | CQC2017010303977544 |
| Certificado cUL                   | 2TLC010006D0201     |
| Certificado cULus                 | 2TLC010007D0201     |
| Declaración de conformidad - CCC  | 2020980303000244    |
| Declaración de conformidad - CE   | 2TLC010010D0201     |
| Declaración de conformidad - UKCA | 2TLC010190D0201     |
| Certificado KC                    | 2TLC010048D0201     |
| Certificado TÜV                   | 2TLC010008D0201     |

## Información de Embalaje

|                           |               |
|---------------------------|---------------|
| Embalaje Nivel 1 Unidades | box 1 piece   |
| Embalaje Nivel 1 Ancho    | 125 mm        |
| Embalaje Nivel 1 Largo    | 31 mm         |
| Embalaje Nivel 1 Alto     | 129 mm        |
| Embalaje Nivel 1 Peso     | 0.268 kg      |
| Embalaje Nivel 1 EAN      | 7350024483307 |
| Embalaje Nivel 2 Unidades | 36 piece      |
| Embalaje Nivel 2 Ancho    | 280 mm        |
| Embalaje Nivel 2 Largo    | 395 mm        |
| Embalaje Nivel 2 Alto     | 210 mm        |
| Embalaje Nivel 2 Peso     | 9.9 kg        |

## Clasificaciones

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Código de clasificación de objetos | K                                 |
| ETIM 7                             | EC001452 - Two-hand control relay |

|                      |                                   |
|----------------------|-----------------------------------|
| ETIM 8               | EC001452 - Two-hand control relay |
| ETIM 9               | EC001452 - Two-hand control relay |
| Clase electrónica    | V11.0 : 27371821                  |
| UNSPSC               | 39122331                          |
| Número E (Finlandia) | 2712524                           |
| Número E (Suecia)    | 3860821                           |

### Accessories

| Identifier      | 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           |

### Categorías

Productos y sistemas de baja tensión → Aparatos de control → Dispositivos de seguridad → Relés de seguridad → Single Function Safety Relays

Productos y sistemas de baja tensión → Aparatos de control → Relés electrónicos → Relés de seguridad → Single Function Safety Relays

