



PRODUCT-DETAILS

# Sentry SSR10

## Sentry SSR10 Safety relay



| General Information   |   |
|-----------------------|---|
| Extended Product Type | Sentry SSR10  |
| Product ID            | 2TLA010050R0000   |
| EAN                   | 7350024483284   |
| Catalog Description   | Sentry SSR10 Safety relay   |
| Long Description      | Sentry SSR10 Safety relay with relay outputs 3NO+1NC, +24 VDC supply voltage and screw terminals.   |
|                       | For monitoring of safety devices with contacts, 1 or 2 equivalent channels, and safety devices with OSSD outputs.   |
|                       | Manual or automatic reset selectable by switch on front.  |
|                       | 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.  |
| Long Description      | Additional variants offer a high accuracy timer function of ± 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.   |

Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 7350024483284 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85364900      |

Popular Downloads

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Data Sheet, Technical Information | 2TLC010037L0201                    |
| Instructions and Manuals          | 2TLC010063M0201                    |
| CAD Dimensional Drawing           | 2CDC001079B0201                    |
| Dimension Diagram                 | 2TLC010001U0201                    |
| Wiring Diagram                    | 2TLC010007T0001                    |
| Marketing Video                   | 2TLC010019N0201<br>2TLC010018N0201 |

Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 22.5 mm  |
| Product Net Height         | 120 mm   |
| Product Net Depth / Length | 120 mm   |
| Product Net Weight         | 0.207 kg |

Technical

|   |  |
|---|--|
| Function  | Safety relay for monitoring of safety devices  |
| Sub-Function                                      | Start/test input, Manual/Auto reset selectable by switch   |
| Timer Relay Type                                  | No Time Delay  |
| Rated Control Supply Voltage (U <sub>s</sub> )    | 24 V DC  |
| Rated Operational Current AC-15 (I <sub>e</sub> ) | 5 A  |
| Rated Operational Current DC-13 (I <sub>e</sub> ) | 6 A  |
| Degree of Protection                              | IP20   |
| Connecting Capacity                               | 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> |
| Tightening Torque                                 | 0.7 N·m  |
| Wire Stripping Length                             | 6.5 mm   |
| Recommended Screw Driver                          | M3.5   |
| Mounting on DIN Rail                              | 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   |
| Standards   | ISO 13849  |

Technical UL/CSA

Connecting Capacity  
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

**Environmental**

Ambient Air  
Temperature

Operation -25 ... +65 °C  
Storage -40 ... +70 °C

**Material Compliance**

|   |  |
|---|--|
| Conflict Minerals<br>Reporting Template<br>(CMRT) | 9AKK108467A5658  |
| REACH Declaration                                 | 2CMT2022-006480  |
| RoHS Information                                  | 2CMT2022-006499  |
| RoHS Status                                       | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances<br>Control Act - TSCA            | 2CMT2023-006522  |

**Certificates and Declarations**

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

**Container Information**

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | box 1 piece   |
| Package Level 1 Width             | 125 mm        |
| Package Level 1 Depth /<br>Length | 31 mm         |
| Package Level 1 Height            | 129 mm        |
| Package Level 1 Gross<br>Weight   | 0.268 kg      |
| Package Level 1 EAN               | 7350024483284 |
| Package Level 2 Units             | 36 piece      |
| Package Level 2 Width             | 280 mm        |
| Package Level 2 Depth /<br>Length | 395 mm        |
| Package Level 2 Height            | 210 mm        |
| Package Level 2 Gross<br>Weight   | 9.9 kg        |

| Classifications            |   |  |  |   |
|----------------------------|---|--|--|---|
| Object Classification Code |   |  |  | K |
| 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 |  |  |   |
| eClass                     | V11.0 : 27371819  |  |  |   |
| UNSPSC                     | 39122331  |  |  |   |
| E-Number (Finland)         | 2712522   |  |  |   |
| E-Number (Sweden)          | 3860819   |  |  |   |

| 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           |

**Categories**

Low Voltage Products and Systems → Control Products → Electronic Relays and Controls → Safety Relays → Single Function Safety Relays

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