



 PRODUCT-DETAILS

Sentry SSR42

Sentry SSR42 Safety relay



General Information

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|-------------------------------|---|
| Extended Product Type: | Sentry SSR42 |
| Product ID: | 2TLA010053R0400 |
| EAN: | 7350024483338 |
| Catalog Description: | Sentry SSR42 Safety relay |
| Long Description: | <p>Sentry SSR42 Safety relay with relay outputs 2NO+2 delayed NO, +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. 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. 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.</p> |
| Display Name: | Sentry SSR42 |

Ordering

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|--------------------------------|--|
| Minimum Order Quantity: | 1 piece |
| Customs Tariff Number: | 85364900 |
| Product Main Type: | SSR |
| Product Name: | Safety relay |
| Function: | Safety relay for monitoring of safety devices |
| Sub-Function: | Start/test input, Manual/Auto reset selectable by switch |
| Special Functions: | Manual/Auto reset selectable by switch |

Popular Downloads

| | |
|---|------------------------------------|
| Data Sheet, Technical Information: | 2TLC010037L0201 |
| CAD Dimensional Drawing: | 2CDC001079B0201 |
| EPLAN Data: | 9AAC188686_EPLAN |
| Marketing Video: | 2TLC010019N0201 2TLC010018N0201 |

Installation

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|----------------------------------|-----------------|
| Instructions and Manuals: | 2TLC010068M0201 |
| Wiring Diagram: | 2TLC010018T0001 |

Dimensions

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|------------------------------------|-----------------|
| Product Net Depth / Length: | 120 mm |
| Product Net Height: | 120 mm |
| Product Net Width: | 22.5 mm |
| Product Net Weight: | 0.207 kg |
| Dimension Diagram: | 2TLC010001U0201 |

Safety Information

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|--------------------------------------|---|
| Certification Agency: | cULus TÜV SÜD CE CCC RCM S UKCA KC |
| Performance Level (PL): | Up to e |
| Safety Integrity Level (SIL): | 3 |

Technical

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| Number of Outputs: | Failsafe, Delayed Contacts 2 Failsafe (Relay) 2 |
| Rated Control Supply Voltage (U_s): | 24 V DC |
| Time Range: | 1.5 seconds |

Environmental

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|---|--|
| Ambient Air Temperature: | Operation -25 ... +65 °C Storage -40 ... +70 °C |
| Degree of Protection: | IP20 |
| Operating Humidity (RH_{amb}): | No Icing, Occasional Condensation 10 ... 90 % |

Material Compliance

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|---|---|
| Conflict Minerals Reporting Template (CMRT): | 9AKK108467A5658 |
| REACH Declaration: | 2CMT2022-006480 |
| RoHS Declaration: | 2CMT2022-006499 |
| RoHS Information: | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| SCIP: | 85ea1cc5-4800-4e77-8e8d-4d387c9886c3 Germany |
| Simplified SCIP: | 0d7303d0-b29f-4d02-a87a-162ad15bef16 Czechia 20d40039-0468-4c79-9f2f-9897e3369168 Germany 21552f3d-14b8-41ef-8824-289ad940b4c6 Germany 2abfb80d-42e6-401c-b89f-ae0576d92ac3 Sweden 5976767f-398f-4d0d-9745-dec44f504cdc Italy 60160f3c-c2b2-46fa-8993-d4a953a1f93d Poland 6551a15d-6f4a-43a6-86df-bee04321b6a0 Netherlands 6ae34f6b-3996-416f-84d0-07c23b0f709d Denmark 74b2433c-a11f-476d-98bb-2b775e9f16b5 Portugal 75b77573-f6bb-470d-abf4-bed58c6282a0 Hungary 7d60119f-38c2-47f1-b345-d3bb1be344c8 Germany 81d0096d-c3de-4372-b36e-da2b27bc7103 Germany 87ae3333-b9ad-4a66-8267-03bb6d3a2917 Bulgaria 89005b9c-b365-4483-90f4-fb6000da1e72 Finland 8bf7cfe3-f4ee-4be9-b401-87b2edd2e18b Belgium 8d02673a-9b14-476f-abdd-0edcede8afad Spain 93bec601-64ff-446e-b607-c8f64a1e972e France 9ea9600e-5642-4b1e-80b8-572c028a4616 Croatia a891f37f-fbc1-4c4a-96ad-a3fd6090602f France af8f0d6a-dd22-4255-99ab-1ce58b901658 Poland c51da0ba-f2e5-4b53-be7b-aeda4b4094fe Estonia d4e6db24-35ec-4cb8-b50c-974c9b1ad1cf Greece e49c4979-5d35-4e11-b954-11fe88974130 Belgium e5a314d2-6600-4591-8f74-8553f1486613 Poland ef9fc32b-d80e-48b4-9f4d-973e8ab4e967 Norway f0aceadb-5a4a-43f2-99e5-737fe8fd5dc7 Sweden ff791e40-f27c-4ed6-83fa-086b91ee4476 Hungary |
| Toxic Substances Control Act - TSCA: | 2CMT2023-006522 |
| WEEE B2C / B2B: | Business To Business |
| WEEE Category: | 5. Small Equipment (No External Dimension More Than 50 cm) |

Certificates and Declarations

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|-----------------------------------|---------------------|
| CQC Certificate: | CQC2017010303977544 |
| cUL Certificate: | 2TLC010006D0201 |
| cULus Certificate: | 2TLC010007D0201 |
| Declaration of Conformity - CCC: | 2020980303000244 |
| Declaration of Conformity - CE: | 2TLC010010D0201 |
| Declaration of Conformity - UKCA: | 2TLC010190D0201 |
| TÜV Certificate: | 2TLC010008D0201 |

Container Information

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|---------------------------------|---------------|
| Package Level 1 Units: | box 1 piece |
| Package Level 1 Width: | 125 mm |
| Package Level 1 Depth / Length: | 31 mm |
| Package Level 1 Height: | 129 mm |
| Package Level 1 Gross Weight: | 0.268 kg |
| Package Level 1 EAN: | 7350024483338 |

External Classifications and Standards

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|-------------------------------------|---|
| 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 |
| IDEA Granular Category Code (IGCC): | 5367 >> Control relay |
| UNSPSC: | 39122331 |
| Object Classification Code: | K |
| E-Number (Finland): | 2712527 |
| E-Number (Sweden): | 3860824 |

Accessories

| Identifier | Description | Type | Qty | 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

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

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