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 PRODUCT-DETAILS

# Sentry TSR20M

## Sentry TSR20M Safety relay




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### General Information

<b>Extended Product Type:</b>	Sentry TSR20M
<b>Product ID:</b>	2TLA010061R0100
<b>EAN:</b>	7350024483369
<b>Catalog Description:</b>	Sentry TSR20M Safety relay
<b>Long Description:</b>	<p>Sentry TSR20M Safety relay with delayed relay outputs 3NO+1NC, 85-265 VAC/120-375 VDC power supply and screw terminals. For monitoring of safety devices with contacts, 2 equivalent channels. OFF-delay time (0,5s or 1,5s) selectable by switch on the 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. 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>
<b>Display Name:</b>	Sentry TSR20M

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## Ordering

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<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85364900
<b>Product Main Type:</b>	TSR
<b>Product Name:</b>	Safety relay
<b>Function:</b>	Safety relay for monitoring of safety devices
<b>Sub-Function:</b>	Start/test input, Auto reset only, Time delay selectable by switch
<b>Special Functions:</b>	Time delay selectable by switch. Auto reset only.

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## Popular Downloads

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<b>Data Sheet, Technical Information:</b>	2TLC010037L0201
<b>CAD Dimensional Drawing:</b>	2CDC001079B0201
<b>EPLAN Data:</b>	9AAC188683_EPLAN
<b>Marketing Video:</b>	2TLC010019N0201 2TLC010018N0201

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## Installation

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<b>Instructions and Manuals:</b>	2TLC010071M0201
<b>Wiring Diagram:</b>	2TLC010015T0001

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## Dimensions

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<b>Product Net Depth / Length:</b>	120 mm
<b>Product Net Height:</b>	120 mm
<b>Product Net Width:</b>	22.5 mm
<b>Product Net Weight:</b>	0.214 kg
<b>Dimension Diagram:</b>	2TLC010001U0201

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## Safety Information

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

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## Technical

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<b>Number of Outputs:</b>	Failsafe, Delayed Contacts 4
<b>Rated Control Supply Voltage (U<sub>s</sub>):</b>	120 ... 375 V DC 85 ... 265 V AC
<b>Time Range:</b>	1.5 seconds 0.5 second

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## Environmental

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<b>Ambient Air Temperature:</b>	Operation -25 ... +65 °C Storage -40 ... +70 °C
<b>Degree of Protection:</b>	IP20
<b>Operating Humidity (RH<sub>amb</sub>):</b>	No Icing, Occasional Condensation 10 ... 90 %

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## Material Compliance

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<b>Conflict Minerals Reporting Template (CMRT):</b>	9AKK108467A5658
<b>REACH Declaration:</b>	2CMT2022-006480
<b>RoHS Declaration:</b>	2CMT2022-006499
<b>RoHS Information:</b>	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
<b>Toxic Substances Control Act - TSCA:</b>	2CMT2023-006522
<b>WEEE B2C / B2B:</b>	Business To Business
<b>WEEE Category:</b>	5. Small Equipment (No External Dimension More Than 50 cm)

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## Certificates and Declarations

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

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## Container Information

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<b>Package Level 1 Units:</b>	box 1 piece
<b>Package Level 1 Width:</b>	125 mm
<b>Package Level 1 Depth / Length:</b>	31 mm
<b>Package Level 1 Height:</b>	129 mm
<b>Package Level 1 Gross Weight:</b>	0.275 kg
<b>Package Level 1 EAN:</b>	7350024483369

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## External Classifications and Standards

<b>eClass:</b>	V11.0 : 27371819
<b>ETIM 7:</b>	EC001449 - Device for monitoring of safety-related circuits
<b>ETIM 8:</b>	EC001449 - Device for monitoring of safety-related circuits
<b>ETIM 9:</b>	EC001449 - Device for monitoring of safety-related circuits
<b>IDEA Granular Category Code (IGCC):</b>	5367 >> Control relay
<b>UNSPSC:</b>	39122331
<b>Object Classification Code:</b>	K
<b>E-Number (Finland):</b>	2712530
<b>E-Number (Sweden):</b>	3860827

## 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 > Expansion Relays

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