



 PRODUCT-DETAILS

Sentry TSR20

Sentry TSR20 Safety relay



General Information

Extended Product Type:	Sentry TSR20
Product ID:	2TLA010061R0000
EAN:	7350024483352
Catalog Description:	Sentry TSR20 Safety relay
Long Description:	<p>Sentry TSR20 Safety relay with delayed relay outputs 3NO+1NC, +24VDC power supply and screw terminals. For monitoring of safety devices with contacts, 1 or 2 equivalent channels, and safety devices with OSSD outputs. 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 $\pm 1\%$ 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 TSR20

Ordering

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

Popular Downloads

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

Installation

Instructions and Manuals:	2TLC010070M0201
Wiring Diagram:	2TLC010014T0001

Dimensions

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

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

Technical

Number of Outputs:	Failsafe, Delayed Contacts 4
Rated Control Supply Voltage (U_s):	24 V DC
Time Range:	1.5 seconds 0.5 second

Environmental

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

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:	4185071a-72c6-4589-92c0-e58f618d5775 Germany
Simplified SCIP:	017ec7fd-9604-4f91-8907-318b5d1c3428 Greece 18071265-e120-4343-aec8-582b6bcb1499 Croatia 18a3e0ae-f7ce-4985-8606-9eda2c82de88 Sweden 1cdd3956-1c06-44d0-af47-060921bf6edb Spain 1d39bd86-5c0a-4094-89d7-48d2d9251ab3 Netherlands 2434b4ef-8982-4fde-ad02-a43ec3b2c3e6 France 26c3548e-6392-45a2-89c4-d5029feb36af Estonia 4ee5cd2b-1568-45c9-a647-d3829d91e17a Poland 556491d4-5312-4a24-a023-c32d802ae6c2 Portugal 55f1984c-a5a8-421d-9392-ca0389cd0611 Belgium 67033477-67fd-458f-90ce-10e5c274cb23 Belgium 80331e77-ec2a-46ff-8291-5e75a628c8fb Germany 872b837d-1878-406d-ade6-148f95f13e26 Norway 94e6008d-c388-4783-bb8c-2d93576c5ca0 Hungary 97ff0b6b-25ad-4711-be8f-43bdf3403f22 Hungary 980f4648-e81b-4973-ac2a-8d57f6a830e9 Poland b55818ed-fb1f-4a6a-a073-540712022405 Czechia b915de38-0e11-4b41-915b-0954a1fd53d0 France bac1bc3c-dc33-4749-8454-ff8440d56f5a Germany bdc486cd-f1b3-4d00-851a-ad93c257c83a Germany d9258a4a-f582-4019-91ab-02e084db6bb6 Bulgaria dec4b111-2a7a-4abc-9f1a-d5db4d96309a Italy e4f3bb65-bbac-4f85-b0b7-21492ad67b6d Germany e56ab2f2-cbbb-4199-87b1-4ebd05a2a342 Denmark f19d6c9f-1d4c-4717-943a-a78720fdd227 Sweden f39e64bb-6814-48a5-a7e9-320e3c608036 Poland f8fefbde-4319-4536-bf8a-74c8c15006d6 Finland
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

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

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:	7350024483352

External Classifications and Standards

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):	2712529
E-Number (Sweden):	3860826

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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