



PRODUCT-DETAILS

Sentry USR10P

Sentry USR10P Safety relay



General Information

Extended Product Type	Sentry USR10P
Product ID	2TLA010070R0001
EAN	7350024486346
Catalog Description	Sentry USR10P Safety relay

Sentry USR10P Universal safety relay with delayable relay outputs 3NO+1NC, +24 VDC power supply and push-in spring terminals.

For monitoring of safety devices with contacts, 1 or 2 equivalent or antivalent channels, safety devices with OSSD outputs, two-hand devices, safety mats and safety edges/bumpers.

Timer function 0-999 seconds with a better accuracy than 1%: OFF-delay, ON-delay, Time bypass and Time reset.

A display on front facilitates configuration and troubleshooting by displaying error codes and error log. A custom configuration can be protected by password.

Manual or automatic reset selectable.

Long Description

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.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900
Product Main Type	USR
Product Name	Safety relay
Function	Safety relay for monitoring of safety devices
Sub-Function	Start/test input, configurable Manual/Auto reset and Timer, Display (error indication and error log)

Popular Downloads

Data Sheet, Technical Information	2TLC010037L0201
Instructions and Manuals	2TLC010072M0201
Dimension Diagram	2TLC010001U0201
Wiring Diagram	2TLC010016T0001
CAD Dimensional Drawing	2CDC001079B0201
Marketing Video	2TLC010019N0201 2TLC010018N0201

Dimensions

Product Net Depth / Length	120 mm
Product Net Height	120 mm
Product Net Width	22.5 mm
Product Net Weight	0.229 kg

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 (Relay) 4
Rated Control Supply Voltage (U _s)	24 V DC
Time Range	0 ... 999 seconds

Environmental

Ambient Air Temperature	Operation -25 ... +65 °C Storage -40 ... +70 °C
Degree of Protection	IP20
10% ... 90%: no icing; occasional condensation	

Material Compliance				
Conflict Minerals Reporting Template (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 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				
CB Certificate				2TLC010014D0201
CQC Certificate				CQC2017010303977544
cUL Certificate				2TLC010006D0201
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				0.29 kg
Package Level 1 EAN				7350024486346

Classifications				
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)				2712906
E-Number (Sweden)				3861421

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 → Safety Timers
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