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PRODUCT-DETAILS

Sentry USR22
Sentry USR22 Safety relay

General Information

Extended Product Type	Sentry USR22
Product ID	2TLA010070R0400
EAN	7350024483383
Catalog Description	Sentry USR22 Safety relay
	Sentry USR22 Universal safety relay with relay outputs 2NO+2 delayable NO, +24VDC power supply and screw 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 ± 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	7350024483383
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	2TLC010037L0201
Instructions and Manuals	2TLC010073M0201
CAD Dimensional Drawing	2CDC001079B0201
Dimension Diagram	2TLC010001U0201
Wiring Diagram	2TLC010017T0001
Marketing Video	2TLC010019N0201 2TLC010018N0201

Dimensions

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

Technical

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)
Timer Relay Type	Multifunction
Time Range	0 ... 999 seconds
Rated Control Supply Voltage (U_s)	24 V DC
Rated Operational Current AC-15 (I_e)	3 A
Rated Operational Current DC-13 (I_e)	3 A
Degree of Protection	IP20
Connecting Capacity	Crimped Pin 1x0.2...3.3 mm²
	Crimped Pin 2x0.2...1.5 mm²
	Flexible with Ferrule 1x0.2...3.3 mm²
	Flexible with Ferrule 2x0.2...1.5 mm²
	Solid 1x0.2...3.3 mm²
	Solid 2x0.2...1.5 mm²
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
	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 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

Certificates and Declarations

CQC Certificate	CQC2017010303977544
cUL Certificate	2TLC010006D0201
cULus Certificate	2TLC010007D0201
Declaration of Conformity - CCC	2020980303000244

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Declaration of Conformity - CE	2TLC010010D0201
Declaration of 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 / Length	31 mm
Package Level 1 Height	129 mm
Package Level 1 Gross Weight	0.29 kg
Package Level 1 EAN	7350024483383
Package Level 2 Units	36 piece
Package Level 2 Width	280 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Height	210 mm
Package Level 2 Gross Weight	10.7 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)	2712532
E-Number (Sweden)	3860829

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

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Categories

Low Voltage Products and Systems → Control Products → Electronic Relays and Controls → Safety Relays → Safety Timers

Low Voltage Products and Systems → Control Products → Electronic Relays and Controls → Safety Relays → Universal Safety Relays

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