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	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. 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

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
Instructions and Manuals	2TLC010070M0201
Dimension Diagram	2TLC010001U0201
Wiring Diagram	2TLC010014T0001
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	0.207 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, Delayed Contacts 4
Rated Control Supply Voltage (U_s)	24 V DC
Time Range	0.5 and 1.5 seconds

Environmental

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

Certificates and Declarations (Document Number)

CQC Certificate	CQC2017010303977544
cUL Certificate	2TLC010006D0201
cULus Certificate	2TLC010007D0201
Declaration of Conformity - CCC	2020980303000244
Declaration of Conformity - CE	2TLC010010D0201
Declaration of Conformity - UKCA	2TLC010190D0201
Instructions and Manuals	2TLC010070M0201
KC Certificate	2TLC010048D0201

RoHS Information	2TLC010010D0201
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

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)	2712529
E-Number (Sweden)	3860826

Categories

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