ABB

—
PRODUCT-DETAILS

Vital 1
Vital 1 Safety controller

General Information

Extended Product Type	Vital 1
Product ID	2TLA020052R1000
EAN	7350024431810
Catalog Description	Vital 1 Safety controller
Long Description	Vital 1 Safety controller with relay outputs 2NO, +24 VDC supply voltage and detachable screw terminals. For monitoring of safety devices, such as emergency stops, using DYNlink. Vital 1 is a configurable safety controller that does not require programming. It uses the DYNlink system, which allows up to 30 safety devices to be connected in series to the same circuit, while achieving PL e / SIL 3. The DYNlink circuit is a unique solution that uses one single channel to achieve upt to Cat.4/PL e. Using DYNlink reduces the installation and engineering time thanks to simple installation with serial connection using M12 connectors. Vital 1 can only be used with DYNlink safety devices, such as Eden DYN and devices with a Tina adapter.

Ordering

Minimum Order Quantity	1 piece

2024/04/12   Subject to change without notice

Customs Tariff Number	85364900
Product Main Type	Vital
Product Name	Safety controller
Function	Safety controller for monitoring of safety devices using DYNlink
Sub-Function	Start/test input, Manual/Auto reset

Popular Downloads

Data Sheet, Technical Information	2TLC010001C0202
Instructions and Manuals	2TLC172156M0201
CAD Dimensional Drawing	2CDC001079B0201
Marketing Video	2TLC010018N0201

Dimensions

Product Net Depth / Length	120 mm
Product Net Height	84 mm
Product Net Width	22.5 mm
Product Net Weight	0.267 kg

Safety Information

Certification Agency	CE
	TÜV NORD
	CCC
	UKCA
	cCSAus
Performance Level (PL)	Up to e
Safety Integrity Level (SIL)	3

Technical

Number of Outputs	Failsafe (Relay) 2
Rated Control Supply Voltage (U_s)	24 V DC

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)

2024/04/12 Subject to change without notice

Certificates and Declarations

CQC Certificate	CQC2013010303610941
CSA Certificate	2TLC172045D0201
Declaration of Conformity - CCC	2020980303000243
Declaration of Conformity - CE	2TLC172025D0201
Declaration of Conformity - UKCA	2TLC010206D0201
TÜV Certificate	2TLC172031D0401
UL Certificate	2TLC172045D0201

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	90 mm
Package Level 1 Depth / Length	45 mm
Package Level 1 Height	130 mm
Package Level 1 Gross Weight	0.27 kg
Package Level 1 EAN	7350024431810

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)	3584 >> Safety Control Module
UNSPSC	32151802
Object Classification Code	K
E-Number (Finland)	2712238
E-Number (Sweden)	3858760

Categories

Low Voltage Products and Systems → Control Products → Safety Products → Safety Controllers