



 PRODUCT-DETAILS

TVOC-2-240

TVOC-2-240 Arc Monitor



General Information

Extended Product Type:	TVOC-2-240
Product ID:	1SFA664001R1001
EAN:	7320500382172
Catalog Description:	TVOC-2-240 Arc Monitor
Long Description:	The TVOC-2 Arc Guard System is an arc protection relay that mitigates arc faults and helps to protect people and equipment. The Arc monitor is the main unit of the Arc Guard System which detects the light of an arc and through the fast IGBT contacts sends an electrical signal within 1 ms to a nearby breaker that breaks the power and extinguishes the arc. The Arc monitor has 10 detector inputs and can trip up to three breakers with zone selectivity if needed. Up to 2 extension units can extend the number of light detectors to 30 and the unit includes an HMI that can be placed on the outside of the door. Detectors are sold in a wide range of lengths to fit a full switchgear design. Supply voltage 100... 250 V DC or 100... 240 V AC 50 / 60 Hz. Accessories include current sensing unit, optical cables, cable straps etc.
Display Name:	TVOC-2-240

ABB EcoSolutions

Environmental Product Declaration - EPD: No certification needed

Material Compliance

REACH Declaration:	2AGS2022-006202
RoHS Declaration:	2AGS2022-006277-RoHS
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Conflict Minerals Reporting Template (CMRT):	9AKK108467A5658
Toxic Substances Control Act - TSCA:	2CMT001035D0902a

Environmental

Ambient Air Temperature:	Operation -25 ... +55 °C Storage -25 ... +55 °C
Environmental Information:	1SAC200041H0003

Ordering

Order Code US and Canada:	TVOC-2-240
E-Number (Finland):	2712000
E-Number (Norway):	4116451
E-Number (Sweden):	2801705
EAN:	7320500382172
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85389099

Dimensions

Product Net Width:	210 mm
Product Net Height:	230 mm
Product Net Depth / Length:	80 mm
Product Net Weight:	1.2 kg

Container Information

Package Level 1 Units:	1 box
Package Level 1 Width:	260 mm
Package Level 1 Height:	125 mm
Package Level 1 Depth / Length:	215 mm
Package Level 1 Gross Weight:	1.27 kg
Package Level 1 EAN:	7320500382172

Additional Information

Additional Information:	ARC MONITOR TVOC-2
Product Main Type:	TVOC-2
Product Name:	Arc Monitor
Suitable For:	TVOC-2

Technical

Mounting Type:	Wall mounted or DIN
Number of Auxiliary Contacts CO (SPDT):	3
Number of Auxiliary Contacts NC:	0
Number of Auxiliary Contacts NO:	3
Power Loss:	1.5 W
Rated Operational Voltage:	100 ... 240 V AC/DC
Terminal Type:	Screw Terminals

Certificates and Declarations

BV Certificate:	39407_B1
CSA Certificate:	UL_20110511-E155370
cULus Certificate:	UL_20110511-E155370
Data Sheet, Technical Information:	1SFC170001C0201
Declaration of Conformity - CE:	2CMT005420
DNV Certificate:	DNV_E-12926
EAC Certificate:	9AKK106713A1450
UL Certificate:	UL_20110511-E155370
Instructions and Manuals:	1SFC170011M0201
Instructions and Manuals (Part 2):	1SFC170011M0201

External Classifications and Standards

ETIM 9:	EC002911 - Arc detection and mitigation system
ETIM 10:	EC002911 - Arc detection and mitigation system
IDEA Granular Category Code (IGCC):	3594 >> Interface module
Object Classification Code:	B
UNSPSC:	32151802
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)
eClass:	V11.0 : 27142214

Categories

Products > Low Voltage Products and Systems > Circuit Breakers > External Digital Unit > Arc Guard System

Parts & Services > Medium Voltage Products and Systems > Service > Spares and Consumables > Parts > All Spare Parts (Relays-SWG-CB)

