



PRODUCT-DETAILS

TVOC-2-48-C

TVOC-2-48-C Arc Monitor



General Information

Extended Product Type	TVOC-2-48-C
Product ID	1SFA664001R1004
EAN	7320500511749
Catalog Description	TVOC-2-48-C 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 24... 48 V DC. Accessories include current sensing unit, optical cables, cable straps etc.

Circular Value

Toxic Substances Control Act - TSCA	2CMT001035D0902a
-------------------------------------	------------------

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -25 ... +55 °C
Environmental Information	1SAC200041H0003
REACH Declaration	2AGS2022-006202
RoHS Information	2AGS2022-006277-RoHS
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Ordering

E-Number (Finland)	2712558
E-Number (Sweden)	2800000
EAN	7320500511749
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 piece
Package Level 1 Width	260 mm
Package Level 1 Height	125 mm
Package Level 1 Depth / Length	300 mm
Package Level 1 Gross Weight	1.27 kg
Package Level 1 EAN	7320500511749

Additional Information

Additional Information	ARC MONITOR TVOC-2
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 W
Product Main Type	TVOC-2
Product Name	Arc Monitor
Rated Operational Voltage	24 ... 48 V DC
RoHS Date	1009 1
Suitable For	TVOC-2
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

Classifications

ETIM 7	EC002911 - Arc detection system
ETIM 8	EC002911 - Arc detection system
ETIM 9	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

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

