TC-EC56F-DO16-ESD-A-TRC - Module carrier

2904679

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Termination carrier for connecting 16 PSR-FSP modules to digital output cards of the Invensys Triconex controller via ELCO connector 8016, 56-pos. Solution for Emergency Shut Down (ESD) applications. Suitable for Invensys Triconex 3625 card.

Your advantages

- Mechanically decoupled PCB
- Robust aluminum profile with integrated DIN rail
- Side parts with integrated end clamps
- System connection, ELCO connector 8016 socket strip, 56-pos.
- Simple or redundant supply, decoupled from diode, protected against polarity reversal
- Error message in the event of power supply failure or fuse fault
- Relay output (N/O contact, floating) and flashing LED for error message
- Undervoltage monitoring at input at < 18 V DC
- Suitable for safe state off applications
- Cable sets for signal connection are not supplied as standard and must be ordered separately

Commercial data

Item number	2904679
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	DK2746
GTIN	4046356872492
Weight per piece (including packing)	1,460 g
Weight per piece (excluding packing)	1,460 g
Country of origin	DE

Technical data

Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area

Product properties

Product type	Module carrier

Insulation characteristics: Air clearances and creepage distances

Insulation	Basic insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Max. permissible current	1200 mA
Nominal voltage U_N	24 V DC (21.1 V ... 26.4 V)

Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV

Supported controller: INVENSYS Triconex

Suitable I/O card	3625

Supply

Designation	Device supply
Fuse	2.5 A on PCB, slow-blow (replaceable)
Input voltage range	21.1 V ... 26.4 V
Redundant supply	yes, decoupled from diodes
Polarization and surge protection	Yes
Output name	Switching output
Contact switching type	1 N/C contact (alarm = open)

Connection data

Power supply

Connection method	Screw connection
Stripping length	7 mm
Number of connections	1
Number of positions	6

Conductor cross-section rigid	0.14 mm² ... 2.5 mm²
Conductor cross-section flexible	0.14 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

Controller level

Connection method	ELCO connector
Coding	3-3
Number of connections	1
Number of positions	56

Signaling

Status display	2 x red LED (error)
	2x green LEDs (PWR1 and PWR2)

Dimensions

Width	304 mm
Height	170 mm
Depth	159.5 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	2g, according to IEC 60068-2-6

Approvals

UL, USA/Canada

Identification	UL 61010 Listed
	Class I, Div. 2, Groups A, B, C, D T4
	Class I, Zone 2, Group IIC

Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1

Mounting

Mounting type	DIN rail mounting
Assembly note	No end clamp
Mounting position	vertical, horizontal

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2904679

UL Listed
Approval ID: E330267

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	50 V	1 A	-	-

cUL Listed
Approval ID: E330267

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	50 V	1 A	-	-

cUL Listed
Approval ID: E199827

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	50 V	1 A	-	-

UL Listed
Approval ID: E199827

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	50 V	1 A	-	-

Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	e4671f36-1a45-46a0-ba0a-4ed86bed8c96

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