

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

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356872492

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	304 mm
Height	170 mm
Depth	160 mm

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Technical data

Ambient conditions

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

General

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

Supply

Designation	Device supply
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 type	1 N/C contact (alarm = open)
Fuse	2.5 A on PCB, slow-blow (replaceable)
Status display	2 x red LED (error)
	2x green LEDs (PWR1 and PWR2)

Connection data

Connection name	Power supply
Connection method	Screw connection
Stripping length	7 mm
Number of connections	1
Number of positions	6
Conductor cross section solid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Connection data 2

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

Standards and Regulations

Designation	Air clearances and creepage distances
Standards/regulations	DIN EN 50178
Rated insulation voltage	50 V

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Technical data

Standards and Regulations

Rated surge voltage	0.5 kV
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	II
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	2g, according to IEC 60068-2-6
UL, USA/Canada	UL 61010 Listed
	Class I, Div. 2, Groups A, B, C, D T4
	Class I, Zone 2, Group IIC

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 10.0.1	27141152
eCl@ss 4.0	27210900
eCl@ss 4.1	27210900
eCl@ss 5.0	27210900
eCl@ss 5.1	27210900
eCl@ss 6.0	27210900
eCl@ss 7.0	27141152
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

ETIM

ETIM 4.0	EC002780
ETIM 5.0	EC002780
ETIM 6.0	EC002780
ETIM 7.0	EC002780

UNSPSC

UNSPSC 6.01	30211501
UNSPSC 7.0901	39121019
UNSPSC 11	39121006
UNSPSC 12.01	39121006
UNSPSC 13.2	39121432
UNSPSC 18.0	39121432

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Classifications

UNSPSC

UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

Approvals

Approvals


Approvals


UL Listed / cUL Listed / EAC / cULus Listed


Ex Approvals


UL Listed / cUL Listed / cULus Listed

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330267
Nominal voltage UN		50 V	
Nominal current IN		1 A	

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330267
Nominal voltage UN		50 V	
Nominal current IN		1 A	

EAC		RU C- DE.A*30.B.01742
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cULus Listed	
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Accessories

Necessary add-on products

Module carrier - TC-EC56F-DO16-ESD-A-TRC - 2904679

Accessories

Safety relays - PSR-SCP- 24DC/FSP/2X1/1X2 - 2986960



Safe coupling relay for SIL 3 high and low demand applications, connects digital output signals to the I/O, 2 enabling current paths, 1 signal contact, module for safe state off applications, integrated test pulse filter, plug-in screw connection, width: 17.5 mm

Coupling relay - PSR-SCP- 24DC/FSP2/2X1/1X2 - 2986575



Safe coupling relay for SIL 2 high and low-demand applications, couples digital output signals to the I/O, 2 enabling current paths, 1 alarm contact, module for safe state off applications, integrated test pulse filter, plug-in screw terminal blocks, width: 17.5 mm

Coupling relay - PSR-SCP- 24DC/FSP/1X1/1X2 - 2981978



Coupling relay for SIL 3 high/low demand applications, couples digital output signals to the periphery, 1 enabling current path, 1 signal contact, module for safe state off applications, test pulse filter, fuse, plug-in screw connection, 17.5 mm width

Cable set - TC-C-PSR3-SC-A10000A20000 - 2903389



Cable set for signal transmission on the Termination Carrier for coupling relays from the PSR-FSP series. Connection of terminal points A1 and A2 (signal transmission) to the signal PCB. Suitable for PSR-SCP-24DC/FSP/1X1/1X2 (Order No. 2981978).

Cable set - TC-C-PSR3-SC-A10000A23132 - 2903390



Cable set for signal transmission on the Termination Carrier for coupling relays from the PSR-FSP series. Connection of terminal points A1 and A2 (signal transmission) as well as 31 and 32 (confirmation). Suitable for PSR-SCP-24DC/FSP/2X1/1X2 (Order No. 2986960) and PSR-SCP-24DC/FSP2/2X1/1X2 (Order No. 2986575).

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Accessories

Plug - TC-C-PTSM-50-00000000J1J1 - 2903388



Jumper plug, for looping through the confirmation contacts of unused module slots. Use on the termination carrier for safety relay modules from the PSR-FSP series.

Additional products

Label, highly flexible - EMLF (108XE)R - 0800549



Label, highly flexible, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 108 x 48000 mm, Number of individual labels: 1

Zack Marker strip, flat - ZBF 15:UNBEDRUCKT - 0811202



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 15 mm, lettering field size: 15 x 5.2 mm, Number of individual labels: 5

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[578286](#) [578272](#) [578411](#) [NPQP-D-R18-Q4-FD-P10](#) [NPQP-D-R18-Q6-FD-P10](#) [NPQP-L-R14-Q6-FD-P10](#) [NPQP-L-R18-Q6-FD-P10](#) [190647](#)
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[25](#) [259.17SB-25](#) [259.18SB-25](#)