Features

- System Board for Triconex (approval by Triconex pending)
- For 16-channel DO cards 3604E and 3624
- For 32-channel (16+16) DO cards 3625 and 3664
- 16 plug-in positions
- Recommended module: HiC2871
- 24 V DC supply voltage
- Hazardous area: pluggable screw terminals, blue
- Safe area: ELCO socket, 56-pin

Function

The function of the Termination Board as well as the connector pin assignment exactly fit the requirement of Triconex systems.

The Termination Board has a fault bus that is available at the redundant power supply terminals. The fault bus can be daisy chained and monitored by the optional Fault Indication Board. The fault bus signals are then available to the control system as a potential-free contact.

The Termination Boards are supplied with a robust glass fibre reinforced plastic housing as standard. This design permits the fast and reliable installation in the system cabinet.

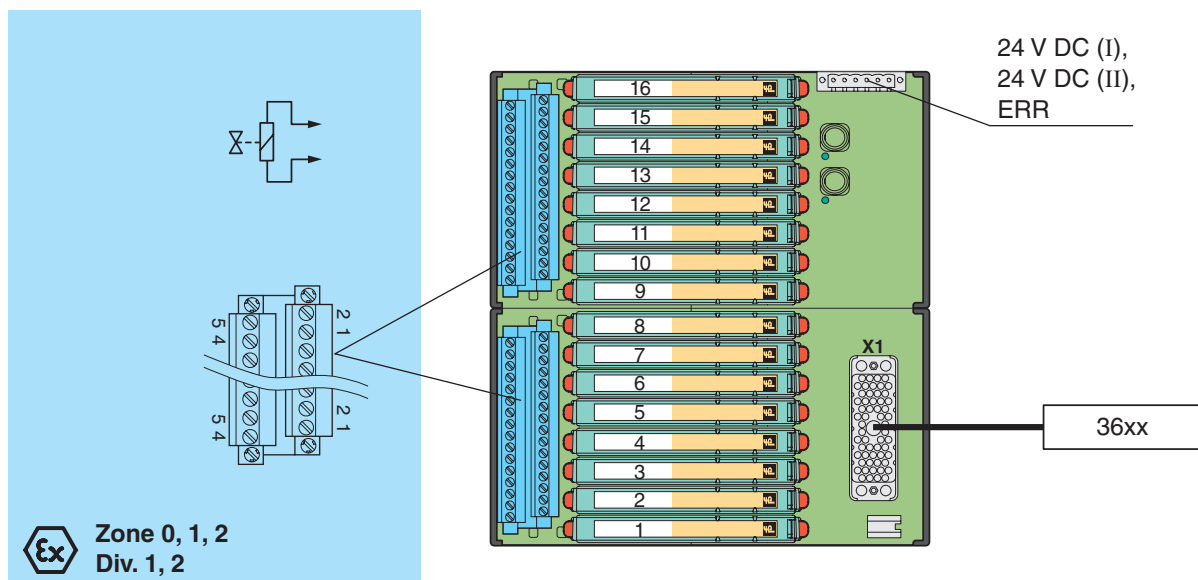## Application

Triconex card 3604E and 3624:
- Board 1 and cable 1: channel 1 ... 16

Triconex 3625 and 3664:
- Board 1 and cable 1: channel 1 ... 16
- Board 2 and cable 2: channel 17 ... 32

Assembly

Connection

Zone 0, 1, 2
Div. 1, 2

24 V DC (I),
24 V DC (II),
ERR

X1

36xx

Zone 2
Div. 2

Supply	
Rated voltage	24 V DC , in consideration of rated voltage of used isolated barriers
Voltage drop	0.9 V , voltage drop across the series diode on the Termination Board must be considered
Ripple	≤ 10 %
Fusing	4 A , in each case for 16 modules
Power loss	≤ 500 mW , without module
Reverse polarity protection	yes
Redundancy	
Supply	Redundancy available. The supply for the modules is decoupled, monitored and fused.
Indicators/settings	
Display elements	LEDs PWR ON (power supply) - LED power supply I, green LED - LED power supply II, green LED
Conformity	
Electromagnetic compatibility	NE 21
Protection degree	IEC 60529
Ambient conditions	
Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Storage temperature	-40 ... 70 °C (233 ... 343 K)
Mechanical specifications	
Protection degree	IP20
Connection	connection hazardous area (field side): pluggable screw terminals, blue connection safe area (process side): ELCO socket, 56-pin
Material	housing: polycarbonate, 30 % fibre-glass reinforced
Mass	approx. 1600 g
Dimensions	300 x 200 x 163 mm (11.8 x 7.9 x 6.42 in) , height including module assembly
Mounting	35 mm DIN rail
General information	
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com.
Accessories	
Designation	optional accessories: - Fault Indication Board HiATB01-FAULT-01 - Label Carrier HiALC-...

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