Features

- System Board for HIMA, HIMax
- For 16-channel card X-AO 1601 (AO, single mode)
- 16-channel card X-AO 1601 (AO, redundant mode on request)
- · For 16 modules
- Recommended module: HiC2031 (AO)
- 24 V DC supply
- Hazardous area: spring terminals, blue
- Safe area: HIMA system connector, 96-pin

Function

The function of the Termination Board and the connector pin assignment is exactly fitted to the requirements of HIMA system.

The signal is output to the process control system via the system connector.

Information about missing supply voltage of the isolated barriers is available for the system as volt-free contact. Wiring errors from field will be reported via the same relay contact if the isolated barriers support this function.

The Termination Board has a robust glass fiber reinforced plastic housing.

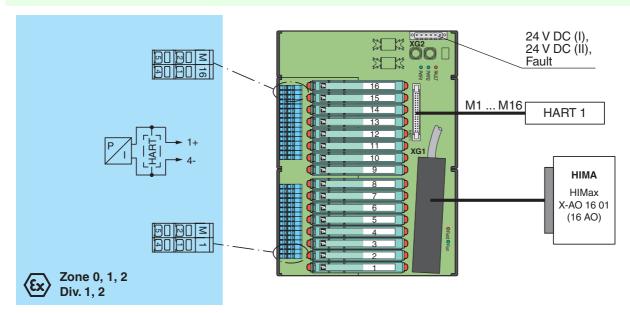
The Termination Board is mounted in the switch cabinet on a 35 mm DIN mounting rail according to EN 60175.



Assembly



Connection



 U_n

Supply Connection

Ripple Fusing

Rated voltage

Voltage drop

Power loss

Redundancy Supply

Connection Output type

Contact loading

Indicators/settings Display elements

Directive conformity Electromagnetic compatibility Directive 2004/108/EC

Degree of protection **Ambient conditions** Ambient temperature

Storage temperature **Mechanical specifications**

Electromagnetic compatibility

Conformity

Reverse polarity protection

Error message output

egree of protection	IP20	
	" 20	
connection	hazardous area connection (field side): spring terminals, blue safe area connection (control side): HIMA system connector, 96-pin power supply connection: pluggable spring terminals, black	
ore cross-section	0.25 1.5 mm ² (24 16 AWG)	
laterial	housing: polycarbonate, 10 % glass fiber reinforced	
lass	approx. 800 g	
imensions	266 x 200 x 163 mm (10.5 x 7.9 x 6.42 in) , height including module assembly	
lounting	on 35 mm DIN mounting rail acc. to EN 60715:2001	
ata for application in connection rith Ex-areas		
C-Type Examination Certificate	CESI 06 ATEX 022 , for additional certificates see www.pepperl-fuchs.com	
Group, category, type of protection	 ₩ II (1)G [Ex ia Ga] IIC ₩ II (1)D [Ex ia Da] IIIC W I (M1) [Ex ia Ma] I 	
afe area		
Maximum safe voltage	250 V (Attention! U _m is no rated voltage.)	
lectrical isolation		
Field circuit/control circuit	safe electrical isolation acc. to IEC/EN 60079-11, voltage peak value 375 V	
irective conformity		
Directive 94/9/EC	EN 60079-0:2012+A11:2013 , EN 60079-11:2012 , EN 60079-26:2007 , EN 50303:2000	
nternational approvals		
L approval		
Control drawing	116-0327	
ECEx approval	IECEx CES 06.0003	
Approved for	[Ex ia Ga] IIC [Ex ia Da] IIIC [Ex ia Ma] I	
eneral information		

XG2: terminals 1, 3 (+); 2, 4 (-)

4 A, in each case for 16 modules

LED FAULT (fault indication), red LED - LED lits: power supply failure - LED flashes: module failure LED Run, green LED

For further information see system description.

≤ 500 mW , without modules

XG2: terminals 5, 6

volt-free contact

30 V DC, 1 A

cable.

(FTA).

LED Field, red LED

EN 61326-1:2013

NE 21:2012

IEC 60529:2001

-20 ... 60 °C (-4 ... 140 °F) -40 ... 85 °C (-40 ... 185 °F)

yes

24 V DC, in consideration of rated voltage of used isolated barriers

LED PWR1 (Termination Board power supply), green LED LED PWR2 (Termination Board power supply), green LED

0.9 V, voltage drop across the series diode on the Termination Board must be considered

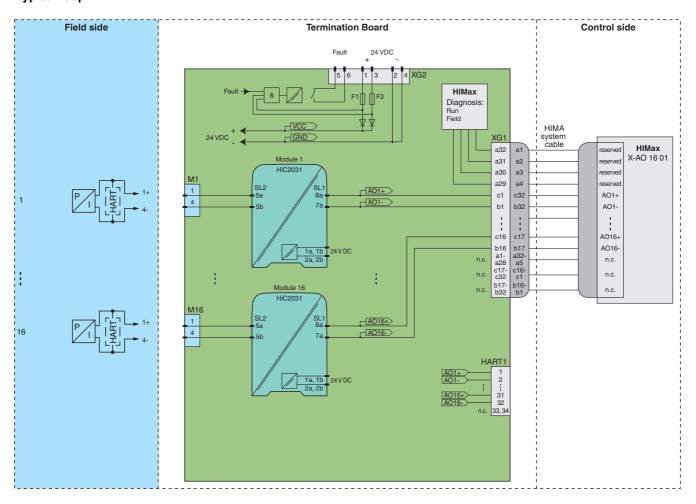
Redundancy available. The supply for the modules is decoupled, monitored and fused.

- The HIMax I/O module is supplied with power and is connected to the Termination Board (FTA) via a system

- The HIMax I/O module detects faults in the connection between HIMax I/O module and Termination Board

Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperlfuchs.com.
Accessories	
Designation	optional accessories: - HART Communication Board HiATB01-HART-2X16 - HART Multiplexer Master HiDMux2700 - HART connection cable HiACA-UNI-FLK34-*M* - Label Carrier HiALC-Hi*TB-SET-1**

Typical loop



Module switch settings

Туре	DIP switch	Position
HiC2031 (AO)	S1	OFF
Open loop voltage of the	S2	ON
control system < 27 V	S3	OFF
	S4	OFF

Card settings

Туре	Mode
16-channel card X-AO 1601	AO, single mode
	AO, redundant mode on request

 $\frac{\circ}{\Pi}$ The pin-out configuration has to be observed. For information see corresponding pin-out table on www.pepperl-fuchs.com.