Features

- System Board for HIMA, HIMax
- For 32-channel card X-AI 3201 (AI)
- For 16 modules
- Recommended module: HiD2036 (AO)
- For gas and fire detectors
- Hazardous area: spring terminals, blue
- Safe area: HIMA system connector, 96-pin

Assembly

Function

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

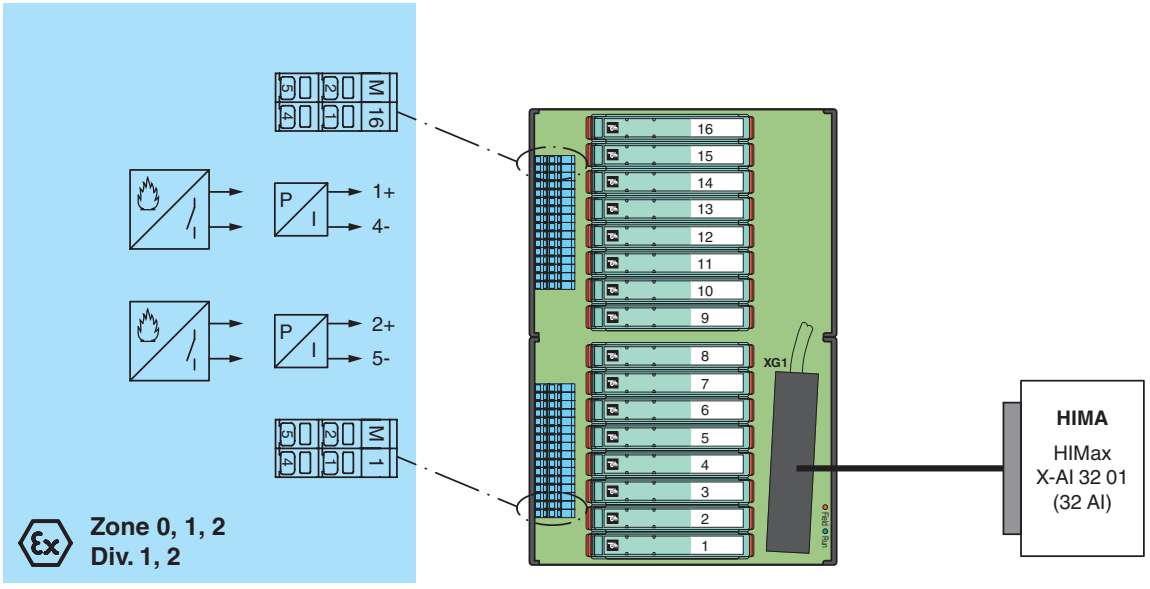
The signal is output to the process control system via the system connector.

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.

Connection



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Indicators/settings	
Display elements	LED Run, green LED - The HIMax I/O module is supplied with power and is connected to the Termination Board (FTA) via a system cable. LED Field, red LED - The HIMax I/O module detects faults in the connection between HIMax I/O module and Termination Board (FTA).
Directive conformity	
Electromagnetic compatibility	
Directive 2004/108/EC	EN 61326-1:2013
Conformity	
Electromagnetic compatibility	NE 21:2012 For further information see system description.
Degree of protection	IEC 60529:2001
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications	
Degree of protection	IP20
Connection	hazardous area connection (field side): spring terminals, blue safe area connection (control side): HIMA system connector, 96-pin
Core cross-section	0.25 ... 1.5 mm^2 (24 ... 16 AWG)
Material	housing: polycarbonate, 10 % glass fiber reinforced
Mass	approx. 750 g
Dimensions	300 x 200 x 163 mm (11.8 x 7.9 x 6.42 in) , height including module assembly
Mounting	on 35 mm DIN mounting rail acc. to EN 60715:2001
Data for application in connection with Ex-areas	
EC-Type Examination Certificate	CESI 11 ATEX 062 , for additional certificates see www.pepperl-fuchs.com
Group, category, type of protection	Ⓔx II (1)G [Ex ia Ga] IIC Ⓔx II (1)D [Ex ia Da] IIIC Ⓔx I (M1) [Ex ia Ma] I
Safe area	
Maximum safe voltage	250 V (Attention! U_m is no rated voltage.)
Electrical isolation	
Field circuit/control circuit	safe electrical isolation acc. to IEC/EN 60079-11, voltage peak value 375 V
Directive conformity	
Directive 94/9/EC	EN 60079-0:2012+A11:2013 , EN 60079-11:2012 , EN 60079-26:2007 , EN 50303:2000
International approvals	
CSA approval	
Control drawing	see control drawing of correspoding modules
IECEx approval	IECEx CES 11.0022
Approved for	[Ex ia Ga] IIC [Ex ia Da] IIIC [Ex ia Ma] I
General information	
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.pepperl-fuchs.com.
Accessories	
Designation	optional accessories: Label Carrier HiALC-Hi*TB-SET-1**

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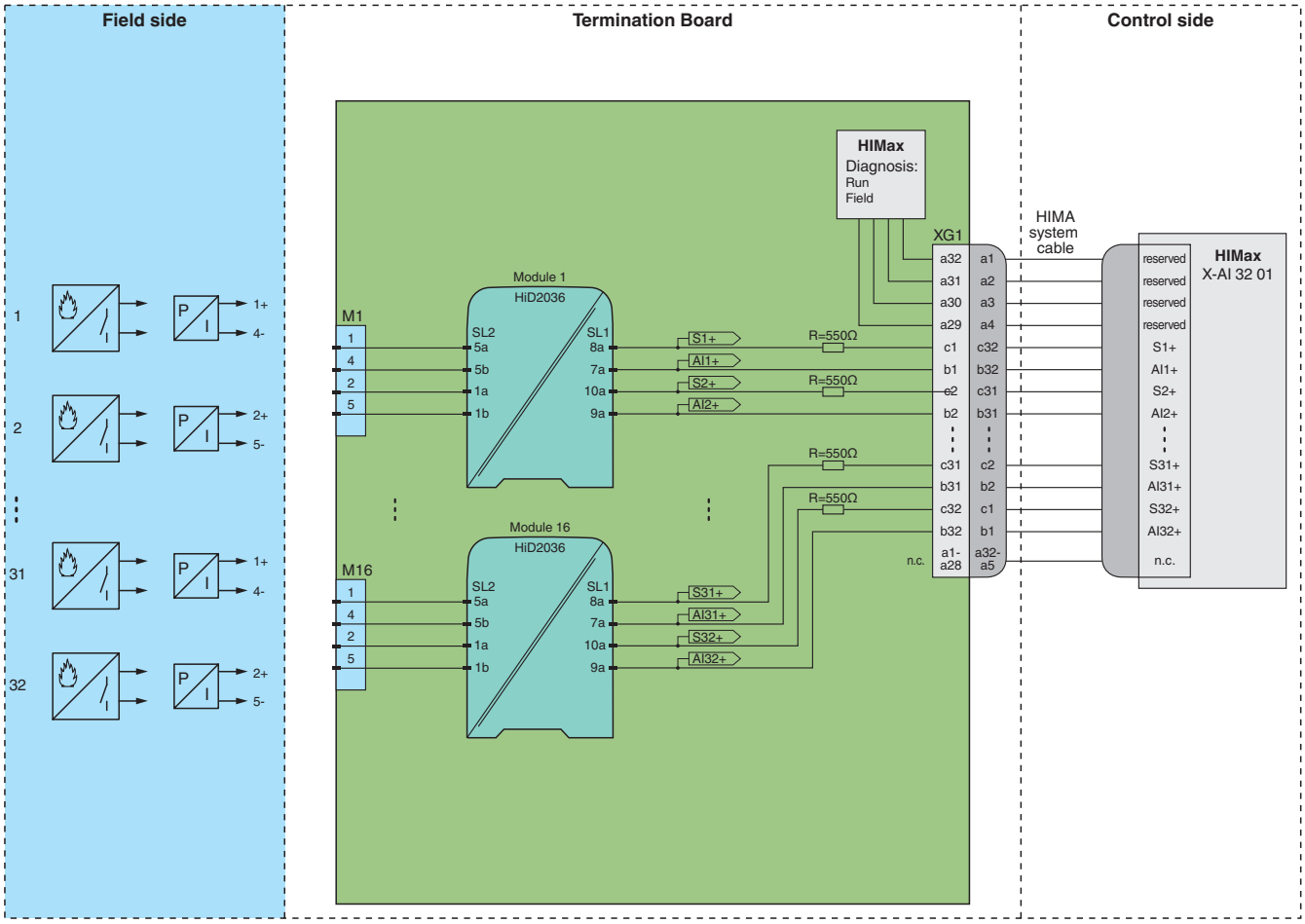
Application

Typical loop



The pin-out configuration has to be observed. For information see corresponding pin-out table on www.pepperl-fuchs.com.

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