Termination Board

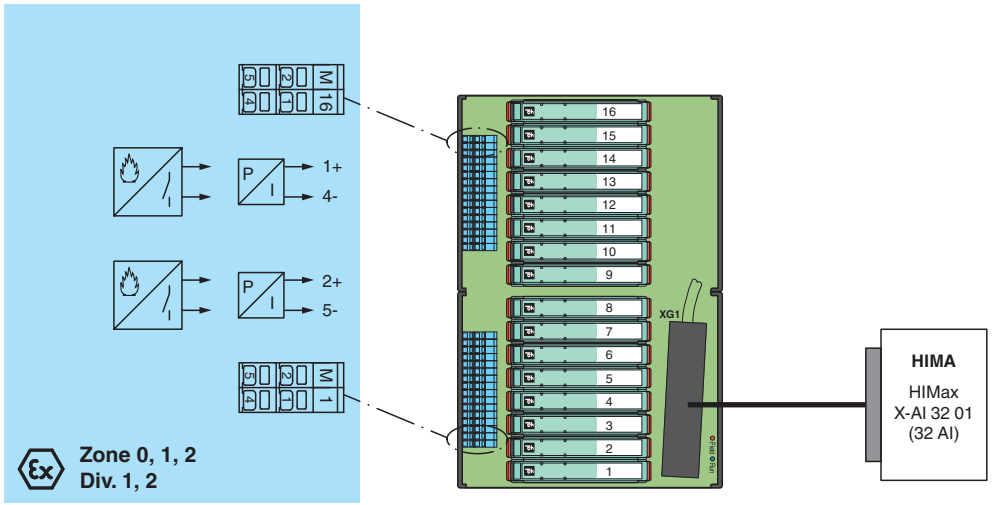
HiDTB16-HIM-NLC-SP-AI3201

- 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
- Non-hazardous 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.
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



Technical Data

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 2014/30/EU		EN 61326-1:2013 (industrial locations)
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)

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Technical Data

Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Degree of protection		IP20
Connection		
Field side		explosion hazardous area: spring terminals , blue
Control side		non-explosion hazardous area: HIMA system connector, 96-pin
Core cross section		spring terminals: 0.25 ... 1.5 mm² (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 inch) (W x H x D) , depth including module assembly
Mounting		on 35 mm DIN mounting rail acc. to EN 60715:2001
Data for application in connection with hazardous areas		
EU-type examination certificate		CESI 11 ATEX 062
Marking		⟨Ex⟩ II (1)G [Ex ia Ga] IIC ⟨Ex⟩ II (1)D [Ex ia Da] IIIC ⟨Ex⟩ I (M1) [Ex ia Ma] I
Non-hazardous area		
Maximum safe voltage		250 V (Attention! U_m is no rated voltage.)
Galvanic isolation		
Field circuit/control circuit		safe electrical isolation acc. to IEC/EN 60079-11, voltage peak value 375 V
Directive conformity		
Directive 2014/34/EU		EN 60079-0:2012+A11:2013 , EN 60079-11:2012 , EN 50303:2000
International approvals		
CSA approval		
Control drawing		see control drawing of correspoding modules
IECEx approval		
IECEx certificate		IECEx CES 11.0022
IECEx marking		[Ex ia Ga] IIC [Ex ia Da] IIIC [Ex ia Ma] I
General information		
Supplementary information		Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com.

Accessories

	**HiALC-HiDTB-SET-150**	Label carrier for HiD termination boards

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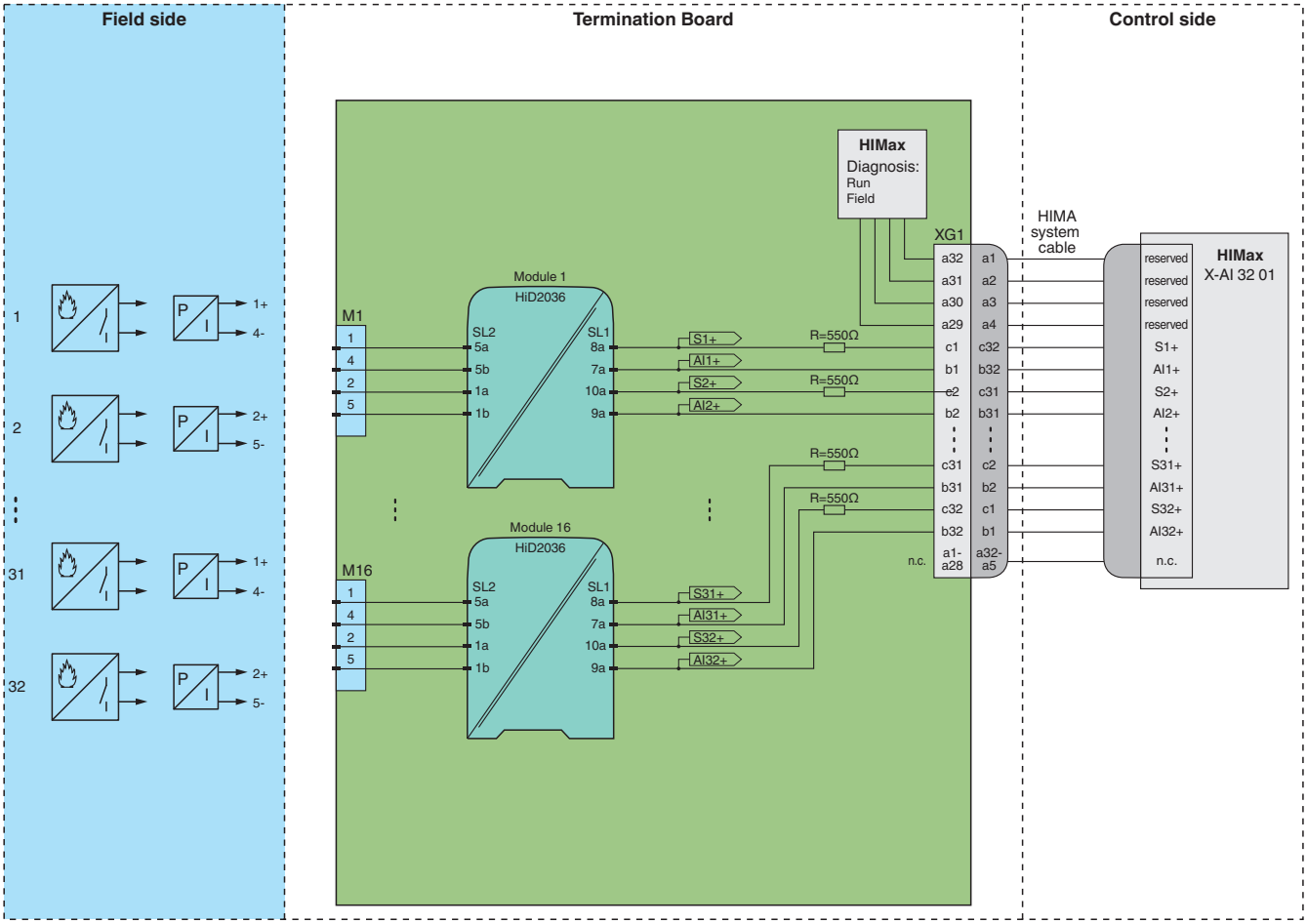
Application

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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