

## Features

- System Board for Yokogawa CENTUM VP
- For 32-channel DI card ADV151
- For 16 modules
- Recommended module: HiC2822 (DI)
- 24 V DC supply
- Hazardous area: spring terminals, blue
- Safe area: Yokogawa system connector, 50-pin

## Function

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

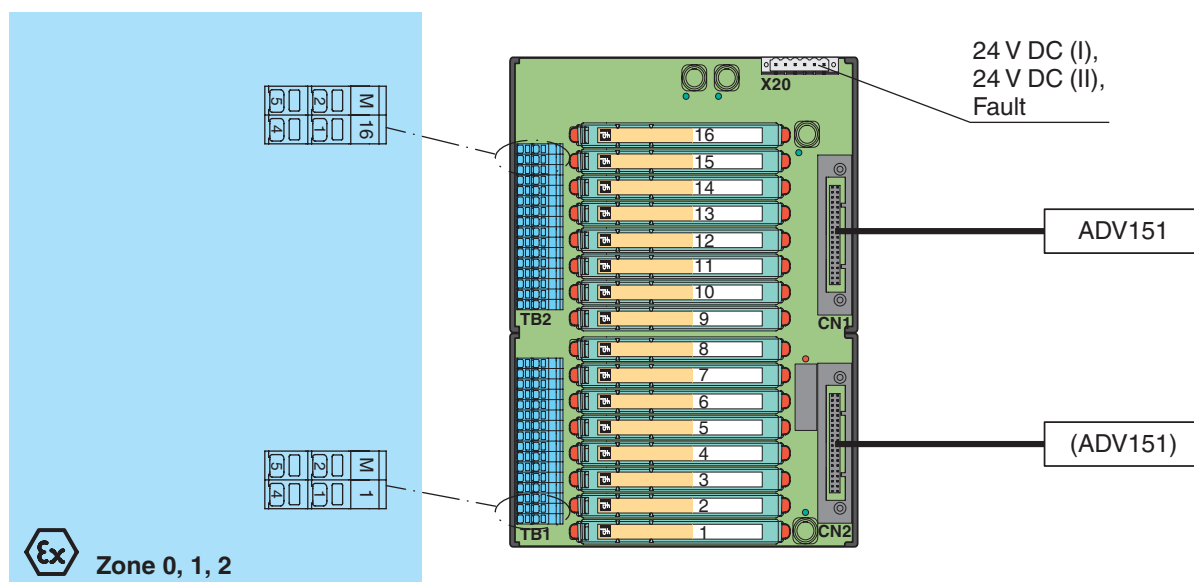
Information about missing supply voltage of the interface modules is available for the system as potential-free contact. Wiring errors from field will be reported via the same relay contact if the interface module supports this function.

The Termination Boards are supplied with a robust glass fiber reinforced plastic housing as standard. This design permits the fast and reliable installation on 35 mm DIN mounting rail acc. to EN 60715 in the cabinet.

## Assembly



## Connection



Release date 2016-05-19 10:30 Date of issue 2016-05-19 236125\_eng.xml

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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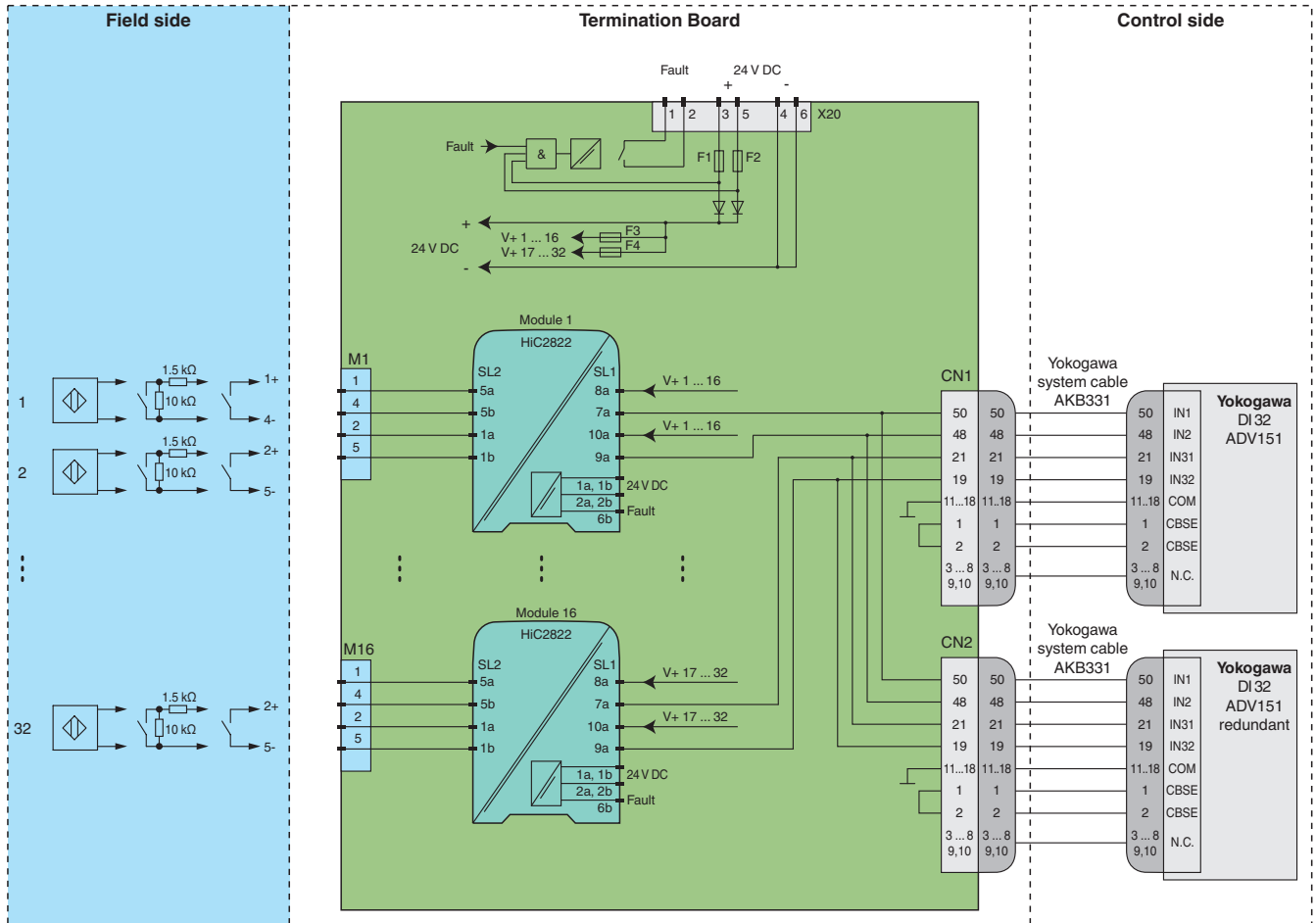
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<b>Supply</b>		
Rated voltage	$U_n$	24 V DC , in consideration of rated voltage of used isolated barriers
Voltage drop		0.9 V , voltage drop across the series diode on the termination board must be considered
Ripple		≤ 10 %
Fusing		4 A , in each case for 16 modules
Power dissipation		≤ 500 mW , without modules
Reverse polarity protection		yes
<b>Electrical specifications</b>		
volt-free fault indication output		max. 30 V AC/40 V DC, 2 A
<b>Redundancy</b>		
Supply		Redundancy available. The supply for the modules is decoupled, monitored and fused.
<b>Indicators/settings</b>		
Display elements		LEDs PWR ON (Termination Board power supply) - LED power supply I, green LED - LED power supply II, green LED LED FAULT (fault indication), red LED - LED lits: module failure - LED flashes: power supply failure
<b>Directive conformity</b>		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61326-1:2013 (industrial locations)
<b>Conformity</b>		
Electromagnetic compatibility		NE 21:2011 For further information see system description.
Degree of protection		IEC 60529:2001
<b>Ambient conditions</b>		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Storage temperature		-40 ... 70 °C (-40 ... 158 °F)
<b>Mechanical specifications</b>		
Degree of protection		IP20
Connection		hazardous area connection (field side): spring terminals, blue safe area connection (control side): Yokogawa system connector, 50-pin
Core cross-section		spring terminals: rigid: 0.2 ... 2.5 mm <sup>2</sup> flexible: 0.25 ... 1.5 mm <sup>2</sup>
Material		housing: polycarbonate, 30 % glass fiber reinforced
Mass		approx. 650 g
Dimensions		240 x 175 x 153 mm (9.45 x 6.9 x 6.02 in)
Mounting		on 35 mm DIN mounting rail acc. to EN 60715:2001
<b>Data for application in connection with Ex-areas</b>		
EC-Type Examination Certificate		CESI 06 ATEX 022
Group, category, type of protection		⊕ II (1)G [Ex ia Ga] IIC ⊕ II (1)D [Ex ia Da] IIIC ⊕ 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 2014/34/EU		EN 60079-0:2012+A11:2013 , EN 60079-11:2012 , EN 60079-26:2007 , EN 50303:2000
<b>International approvals</b>		
IECEX approval		IECEX CES 06.0003
Approved for		[Ex ia Ga] IIC [Ex ia Da] IIIC [Ex ia Ma] I
<b>General information</b>		
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.
<b>Accessories</b>		
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](http://www.pepperl-fuchs.com).