Fault Indication Board

HiATB01-FAULT-01

- 1-channel
- 24 V DC supply
- Monitors up to 16 HiC Termination Boards
- Relay contact output
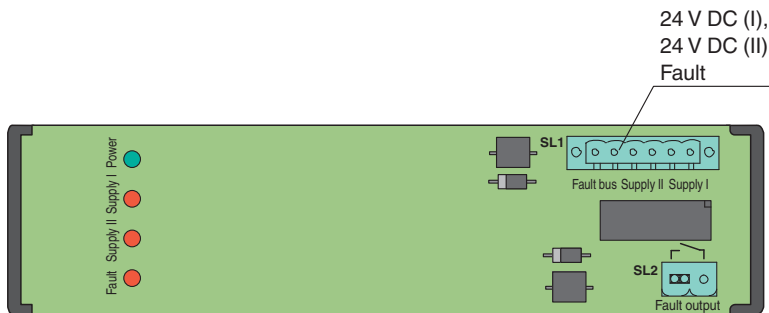- LEDs for supply and fault status

Fault Indication Board

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Function

This Fault Indication Board is designed to monitor up to 16 H-System Termination Boards.
The fault bus signal can be wired in a ring (daisy chain) or redundant in a star.
Information about a missing supply voltage is available for the system as a volt-free contact.
The relay contact also signals a missing supply voltage at one of the monitored termination boards.
Wiring faults from the field side will be reported via the same relay contact, if this function supported by the the isolators.
The termination board is supplied with a robust plastic housing. This design permits the fast and reliable installation on 35 mm DIN mounting rail according to EN 60715 in the switch cabinet.

Connection

Technical Data

Supply		
Connection		SL1: terminals 3, 5(+); 4, 6(-)
Rated voltage	U_r	19.6 ... 30 V DC
Ripple		≤ 10 %
Power dissipation		≤ 500 mW
Reverse polarity protection		yes
Redundancy		
Supply		Redundancy available. The supply is decoupled and monitored.
Fault indication output		
Connection		fault bus (Fault) : SL1: terminals 1, 2 fault output : SL2: terminals 1, 2

Pepperl+Fuchs Group
www.pepperl-fuchs.com
USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com
Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com
Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com
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Technical Data

Output type	volt-free contact
Switch behaviour	no fault: relay contact closed power supply fault: relay contact open module fault: relay contact open
Contact loading	30 V DC , 1 A
Indicators/settings	
Display elements	LED Power (power supply), green LED LED Supply I (missing supply I), red LED LED Supply II (missing supply II), red LED LED Fault (fault signal), red LED - LED flashes: module fault/power supply fault at the termination board
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013 (industrial locations)
Conformity	
Electromagnetic compatibility	NE 21:2017 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 ... 70 °C (-40 ... 158 °F)
Mechanical specifications	
Degree of protection	IP20
Connection	
Supply	pluggable screw terminals , black
Fault output	pluggable screw terminals , black
Core cross section	screw terminals: 0.2 ... 2.5 mm^2 (24 ... 12 AWG)
Material	housing: polycarbonate, 10 % glass fiber reinforced
Mass	approx. 165 g
Dimensions	50 x 200 x 63 mm (1.97 x 7.9 x 2.48 inch) (W x H x D)
Height	200 mm
Width	50 mm
Depth	63 mm
Mounting	on 35 mm DIN mounting rail acc. to EN 60715:2001
General information	
Supplementary information	Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com.

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

Pepperl+Fuchs Group	USA: +1 330 486 0002	Germany: +49 621 776 2222	Singapore: +65 6779 9091
www.pepperl-fuchs.com	pa-info@us.pepperl-fuchs.com	pa-info@de.pepperl-fuchs.com	pa-info@sg.pepperl-fuchs.com

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Application

The maximum permissible cable length in the Installations with Fault Indication Board is limited to 5 m.

max. 5 m (16.4 ft)

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

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