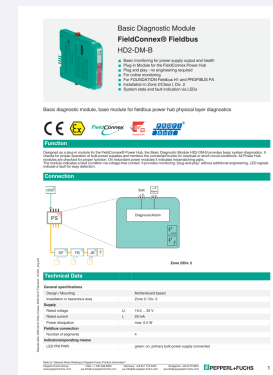


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Pepperl+Fuchs HD2-DM-B

Basic Diagnostic Module



PRODUCT	HD2-DM-B
FAMILY	FieldConnex Advanced Diagnostics
FUNCTION	Basic Diagnostic Module
STATUS	Verify exact configuration

Prepared by Amikon Limited from Pepperl+Fuchs product record 14633; PDS 131001; TDOCT-3979. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

Product type	Basic diagnostic module
Monitoring	Power output and supply health
Supported networks	FOUNDATION Fieldbus H1 and PROFIBUS PA
Segments	4
Rated voltage	19.2-35 V
Rated current	20 mA
Power dissipation	Maximum 0.5 W

02 MOUNTING AND CONNECTION

- Confirm the product marking and verify that the surrounding enclosure meets the required protection for the installation area.
- De-energize or confirm the absence of an explosive atmosphere before working on non-intrinsically safe energized circuits.
- Insert HD2-DM-B only into the motherboard slot labeled Diagnostic Module.
- Do not force the plug-in module and do not install any other module type in the diagnostic position.
- Inspect primary power, secondary power, and error LED indications after energizing.

OFFICIAL INSTALLATION REFERENCE



Basic Diagnostic Module
FieldConnex® Fieldbus
HD2-DM-B

- Basic monitoring for power supply output and health
- Plug-in Module for the FieldConnex Power Hub
- Plug and play - no engineering required
- For online monitoring
- For FOUNDATION Fieldbus H1 and PROFIBUS PA
- Installation in Zone 2/Class I, Div. 2
- System state and fault indication via LEDs

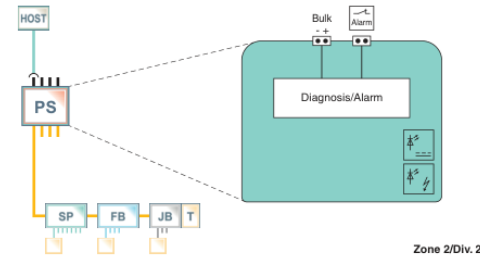
Basic diagnostic module, base module for fieldbus power hub physical layer diagnostics



Function

Designed as a plug-in module for the FieldConnex® Power Hub, the Basic Diagnostic Module HD2-DM-B provides basic system diagnostics. It checks for proper operation of bulk power supplies and monitors the connected trunks for overload or short-circuit conditions. All Power Hub modules are checked for proper function. On redundant power modules it indicates mismatching pairs. The module indicates a fault condition via voltage-free contact. It provides monitoring "plug-and-play" without additional engineering. LED signals indicate a fault for easy detection.

Connection



Technical Data

General specifications			
Design / Mounting		Motherboard based	
Installation in hazardous area		Zone 2 / Div. 2	
Supply			
Rated voltage	U _i	19.2 ... 35 V	
Rated current	I _i	20 mA	
Power dissipation		max. 0.5 W	
Fieldbus connection			
Number of segments		4	
Indicators/operating means			
LED PRI PWR		green: on, primary bulk power supply connected	

Release date: 2025-05-07 Date of issue: 2025-05-07 Filename: 131001_eng.pdf

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

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CABLE ROUTING AND CONNECTION

- De-energize or confirm the absence of an explosive atmosphere before working on non-intrinsically safe energized circuits.
- Insert HD2-DM-B only into the motherboard slot labeled Diagnostic Module.
- Do not force the plug-in module and do not install any other module type in the diagnostic position.
- Inspect primary power, secondary power, and error LED indications after energizing.
- Verify operation of the normally closed fault contact and record the initial system state.

05

INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Verify wiring, grounding, enclosure, and applicable hazardous-area requirements.
- Confirm normal indications and fault-contact state after commissioning.
- Record the installed order number and baseline operating condition.

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CONTROLLED DOCUMENTS

Official source	Pepperl+Fuchs product record 14633; PDS 131001; TDOCT-3979
Product record	HD2-DM-B
Manufacturer	Pepperl+Fuchs
Support	INFO@AMIKON.CN