

PEPPERL+FUCHS TECHNICAL DOCUMENT

Product Data Sheet

HD2-DM-B

01

PRODUCT IDENTIFICATION

Manufacturer	Pepperl+Fuchs
Model	HD2-DM-B
Family	FieldConnex Advanced Diagnostics
Product type	Basic Diagnostic Module

02

VERIFIED TECHNICAL DATA

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
Fault indication	LED and normally closed contact

03 REMAINING TECHNICAL DATA

Dimensions	10.6 x 1.8 x 12.8 cm
Protection	IP20
Ambient temperature	-40 to 70 deg C
Mass	Approx. 0.070 kg

04 TECHNICAL AND APPLICATION NOTES

HD2-DM-B is a plug-in basic diagnostic module for FieldConnex Power Hub physical-layer monitoring. It supervises power-supply output and health across four fieldbus segments without requiring application engineering or configuration. The module supports online monitoring of FOUNDATION Fieldbus H1 and PROFIBUS PA installations. Primary and secondary supply status, power faults, undervoltage, short circuits, and redundancy faults are indicated through dedicated LEDs and a normally closed fault contact.

05 APPLICATIONS

- Online monitoring of FieldConnex power-supply health
- Detection of fieldbus output short circuits
- Detection of fieldbus output undervoltage
- Supervision of redundant bulk power supplies
- Remote signaling of Power Hub physical-layer faults

06 INSTALLATION CONTROL

Confirm the product marking and verify that the surrounding enclosure meets the required protection for the installation area. Verify operation of the normally closed fault contact and record the initial system state.