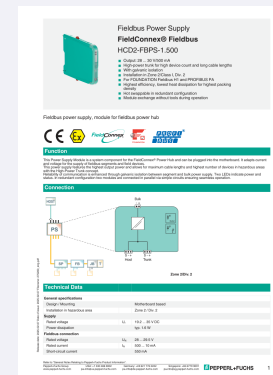


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Pepperl+Fuchs HCD2-FBPS-1.500

Fieldbus Power Supply Module



PRODUCT	HCD2-FBPS-1.500
FAMILY	FieldConnex Fieldbus
FUNCTION	Fieldbus Power Supply Module
STATUS	Verify exact configuration

Prepared by Amikon Limited from Pepperl+Fuchs product record 76158; PDS 275280; TDOCT-1905. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

Product type	Fieldbus power supply module
Networks	FOUNDATION Fieldbus H1 and PROFIBUS PA
Rated input	19.2-35 V DC
Rated output	28-29.5 V
Output current	Up to 500 mA
Short-circuit current	550 mA
Power dissipation	Typical 1.6 W

02 MOUNTING AND CONNECTION

- Verify the exact HCD2-FBPS-1.500 marking, output rating, and hazardous-area approval before installation.
- Mount the module only on an appropriate FieldConnex Power Hub motherboard.
- For redundant segments, use two power modules of the same type on each segment.
- Confirm input supply, segment wiring, grounding, and enclosure requirements before energizing.
- Do not connect or disconnect energized non-intrinsically safe circuits when an explosive atmosphere is present.

OFFICIAL INSTALLATION REFERENCE



Fieldbus Power Supply
FieldConnex® Fieldbus
HCD2-FBPS-1.500

- Output: 28 ... 30 V/500 mA
- High-power trunk for high device count and long cable lengths
- With galvanic isolation
- Installation in Zone 2/Class I, Div. 2
- For FOUNDATION Fieldbus H1 and PROFIBUS PA
- Highest efficiency, lowest heat dissipation for highest packing density
- Hot swappable in redundant configuration
- Module exchange without tools during operation

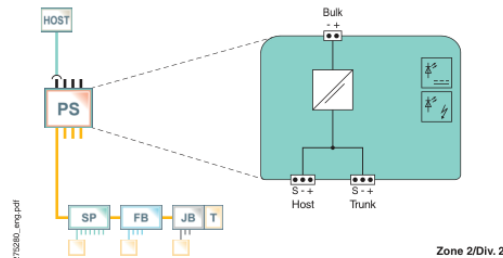
Fieldbus power supply, module for fieldbus power hub



Function

This Power Supply Module is a system component for the FieldConnex® Power Hub and can be plugged into the motherboard. It adapts current and voltage for the supply of fieldbus segments and field devices. This power supply features the highest output power and allows for maximum cable lengths and highest number of devices in hazardous areas with the High-Power Trunk concept. Reliability of communication is enhanced through galvanic isolation between segment and bulk power supply. Two LEDs indicate power and status. In redundant configuration two modules are connected in parallel via simple circuits ensuring seamless operation.

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 DC
Power dissipation		typ. 1.6 W	
Fieldbus connection			
Rated voltage		U _N	28 ... 29.5 V
Rated current		I _N	500 ... 10 mA
Short-circuit current		550 mA	

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

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CABLE ROUTING AND CONNECTION

- Mount the module only on an appropriate FieldConnex Power Hub motherboard.
- For redundant segments, use two power modules of the same type on each segment.
- Confirm input supply, segment wiring, grounding, and enclosure requirements before energizing.
- Do not connect or disconnect energized non-intrinsically safe circuits when an explosive atmosphere is present.
- After energizing, confirm the green power indication and verify that the red error indication remains off.

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 76158; PDS 275280; TDOCT-1905
Product record	HCD2-FBPS-1.500
Manufacturer	Pepperl+Fuchs
Support	INFO@AMIKON.CN