

PEPPERL+FUCHS TECHNICAL DOCUMENT

Product Data Sheet

HCD2-FBPS-1.500

01

PRODUCT IDENTIFICATION

Manufacturer	Pepperl+Fuchs
Model	HCD2-FBPS-1.500
Family	FieldConnex Fieldbus
Product type	Fieldbus Power Supply Module

02

VERIFIED TECHNICAL DATA

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
Isolation	Supply-to-segment functional insulation

03 REMAINING TECHNICAL DATA

Dimensions	10.6 x 1.25 x 12.8 cm
Protection	IP20
Ambient temperature	-40 to 70 deg C
Mass	Approx. 0.150 kg

04 TECHNICAL AND APPLICATION NOTES

HCD2-FBPS-1.500 is a galvanically isolated FieldConnex power-supply module for a fieldbus Power Hub. It delivers approximately 28 to 29.5 V at up to 500 mA for high-power fieldbus trunks with many devices or long cable runs. The motherboard-mounted module supports FOUNDATION Fieldbus H1 and PROFIBUS PA and can be installed in Zone 2 or Division 2 systems. In a redundant configuration it is hot swappable, allowing tool-free module exchange during operation when all hazardous-area requirements are satisfied.

05 APPLICATIONS

- Powering high-device-count fieldbus trunks
- Supplying long FOUNDATION Fieldbus H1 cable segments
- Supplying PROFIBUS PA segments through a Power Hub
- Providing redundant hot-swappable fieldbus power
- Supporting Zone 2 fieldbus segment installations

06 INSTALLATION CONTROL

Verify the exact HCD2-FBPS-1.500 marking, output rating, and hazardous-area approval before installation. After energizing, confirm the green power indication and verify that the red error indication remains off.