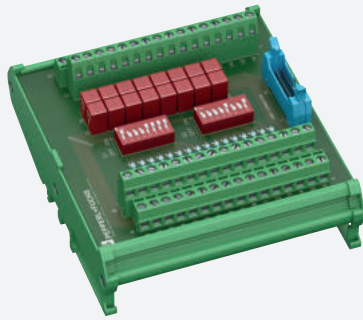


HART Termination Board

FI-PFH-NS0137-R



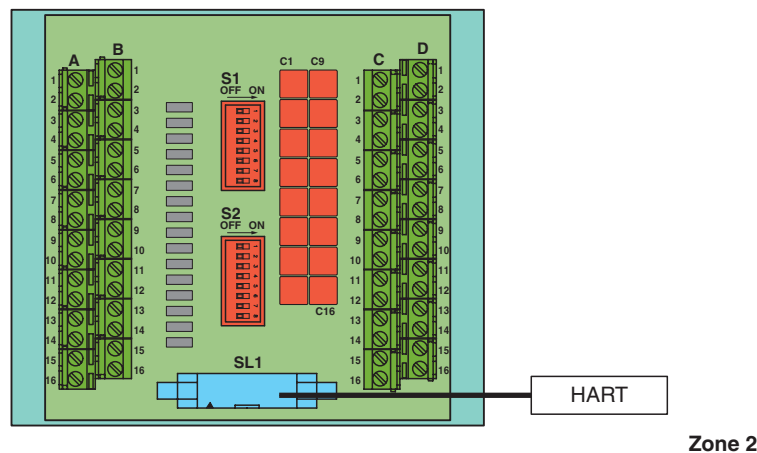
- Connection board for K-System HART Multiplexer
- 16-channel
- Interface for series connection or parallel connection
- Integrated, switchable 220 Ω resistor
- Connection via screw terminals



Function

This HART termination board has 16 terminal blocks to connect up to 16 HART field devices. It has an integrated, switchable 220 Ω load resistor and an integrated ground capacitor. It also has terminal blocks for the 4 mA ... 20 mA signal to the DCS/ PLC.
A 26-pin flat cable K-HM26 is used for connection of each HART Multiplexers KFD*-HM*-16 to the termination board.
Other termination boards are available. Contact Pepperl+Fuchs for details.

Connection



Technical Data

HART signal channels (non-intrinsically safe)

Load resistor	220 Ω , switchable on
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Interface

Type	multiplexer connection : IDC plug, 26-pin
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Signal lines

Rated current	I_B	max. 30 mA per channel
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Indicators/settings

Control elements	DIP switch
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DIP switch	selection of operating mode: - ON: without load resistor - OFF: with load resistor
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Factory setting	DIP switches S1 and S2: ON
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Release date: 2024-02-27 Date of issue: 2024-02-27 Filename: 225293_eng.pdf

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

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 **PEPPERL+FUCHS**

Technical Data

Directive conformity

Electromagnetic compatibility

Directive 2014/30/EU	EN 61326-1:2013 (industrial locations)
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Conformity

Electromagnetic compatibility

NE 21:2017
For further information see system description.

Degree of protection

IEC 60529:2001

Shock resistance

EN 60068-2-27

Vibration resistance

EN 60068-2-6

Ambient conditions

Ambient temperature

0 ... 50 °C (32 ... 122 °F)

Storage temperature

-15 ... 50 °C (5 ... 122 °F)

Relative humidity

≤ 93 % non-condensing

Shock resistance

15 g , 11 ms

Vibration resistance

1 g , 10 ... 150 Hz

Mechanical specifications

Degree of protection

IP20

Connection

Field side

screw terminals , green

Control side

screw terminals , green
HART : 1 x IDC plug, 26-pin

Core cross section

0.25 ... 1.5 mm² (24 ... 16 AWG)

Material

Housing

PVC

Mass

approx. 210 g

Dimensions

110 x 125 x 61 mm (4.3 x 4.9 x 2.4 inch) (W x H x D)

Height

125 mm

Width

110 mm

Depth

61 mm

Mounting

on 35 mm DIN mounting rail acc. to EN 60715:2001

Data for application in connection with hazardous areas

Certificate

PF 11 CERT 1930 X

Marking

II 3G Ex nA IIC T4 Gc

Directive conformity

Directive 2014/34/EU

EN IEC 60079-0:2018+AC:2020 , EN 60079-15:2010

General information

Supplementary information

Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com.

Application

Typical loop

