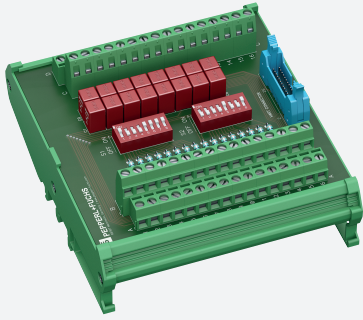


HART Termination Board

FI-PFH-NS0137-R



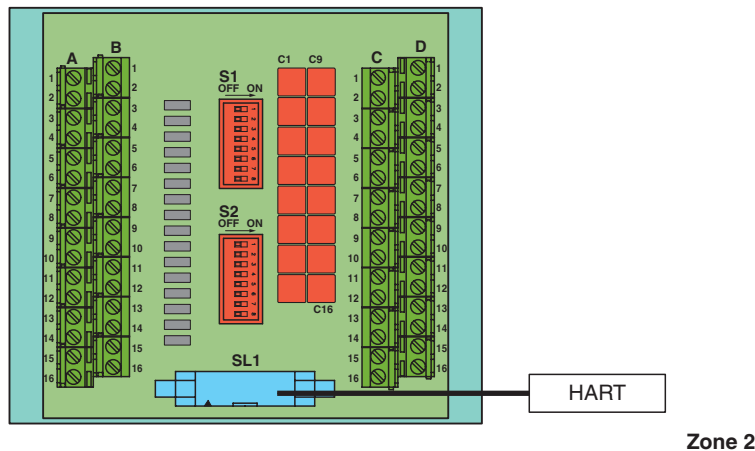
- Connection board for K-System HART Multiplexer
- 16-channel
- Interface for series connection or parallel connection
- Integrated, switchable 220 Ω resistor
- Connection via screw terminals



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
Interface	
Type	multiplexer connection : IDC plug, 26-pin
Signal lines	
Rated current	I_B max. 30 mA per channel
Indicators/settings	
Control elements	DIP switch
DIP switch	selection of operating mode: - ON: without load resistor - OFF: with load resistor
Factory setting	DIP switches S1 and S2: ON

Release date: 2023-02-20 Date of issue: 2023-02-20 Filename: 225293_eng.pdf

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

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Technical Data

Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	EN 61326-1:2013 (industrial locations)
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 mm ² (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)
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 .

Matching System Components

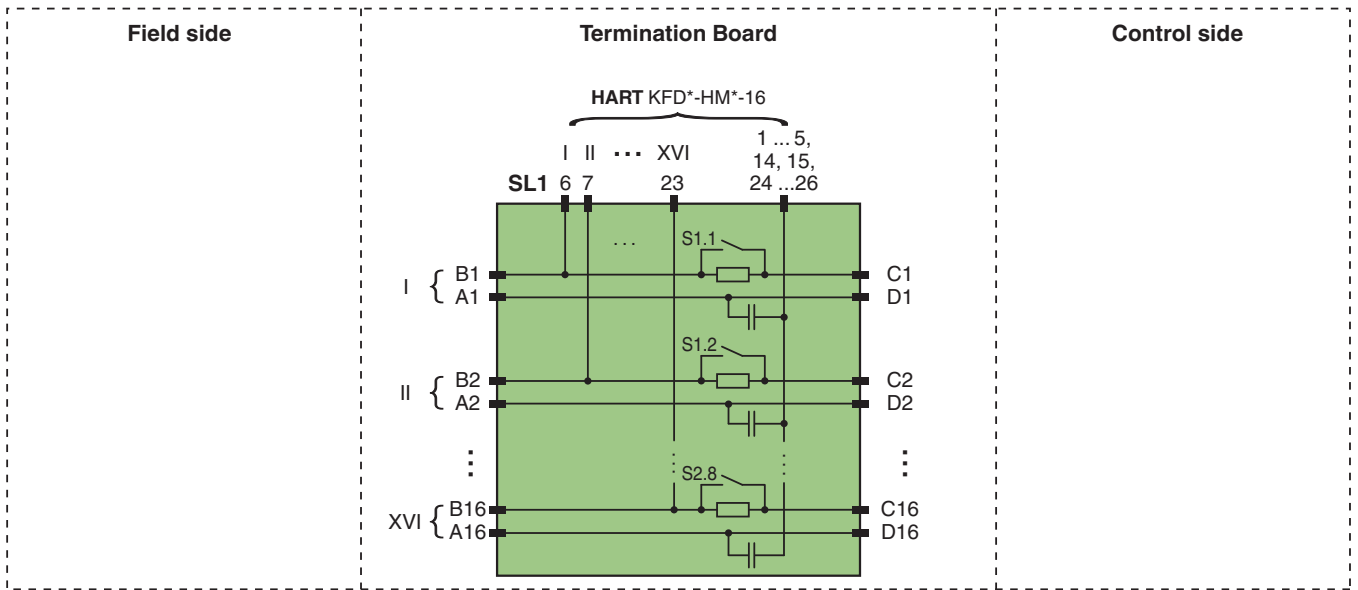
	KFD0-HMS-16	HART Multiplexer Slave
	KFD2-HMM-16	HART Multiplexer Master

Accessories

	K-HM26-114025	HART connection cable for master/slave - termination board connection
	K-HM14	HART connection cable for master - slave connection

Application

Typical loop



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