

Features

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

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.

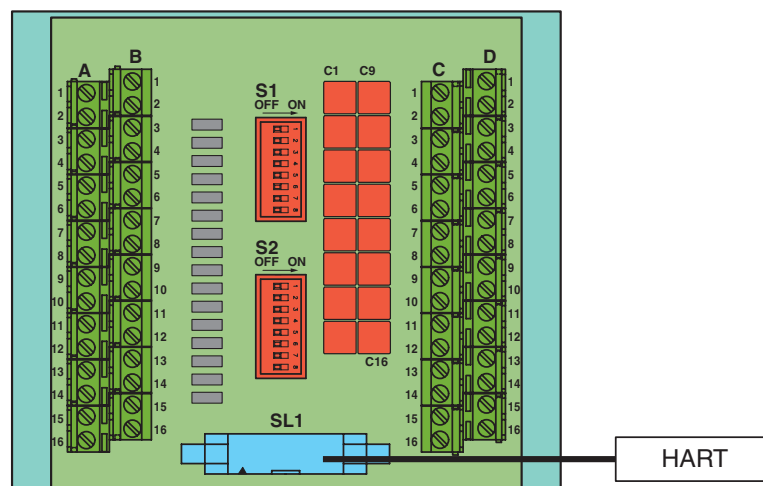
A 26-pin flat cable K-HM26 is used for connection of each HART Multiplexers KFD*-HM*-16 to the termination board.

Other termination boards are available. Contact Pepperl+Fuchs for details.

Assembly

CE

Connection



Zone 2

HART signal channels (non-intrinsically safe)		
Load resistor		220 Ω , switchable on
Signal lines		
Rated current	I_B	≤ 30 mA per channel
Indicators/settings		
DIP switch		selection of operating mode: - ON: without load resistor - OFF: with load resistor
Factory setting		DIP switches S1 and S2: ON
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61326-1:2013 (industrial locations)
Conformity		
Electromagnetic compatibility		NE 21:2012 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 control side: screw terminals multiplexer connection: 26-pin NFP-26A (Yamaichi)
Core cross-section		0.25 ... 1.5 mm ² (24 ... 16 AWG)
Mass		approx. 200 g
Dimensions		110 x 125 x 67 mm (4.3 x 4.9 x 2.6 inch)
Mounting		on 35 mm DIN mounting rail acc. to EN 60715:2001
Data for application in connection with hazardous areas		
Declaration of conformity		PF 11 CERT 1930 X
Group, category, type of protection, temperature class		Ⓔ II 3G Ex nA IIC T4 Gc
Directive conformity		
Directive 2014/34/EU		EN 60079-0:2012+A11:2013 , EN 60079-15:2010
General information		
Supplementary information		Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .

Application

Typical loop

