



Bullet WirelessHART Adapter WHA-BLT-F9D0-N-A0-GP-1

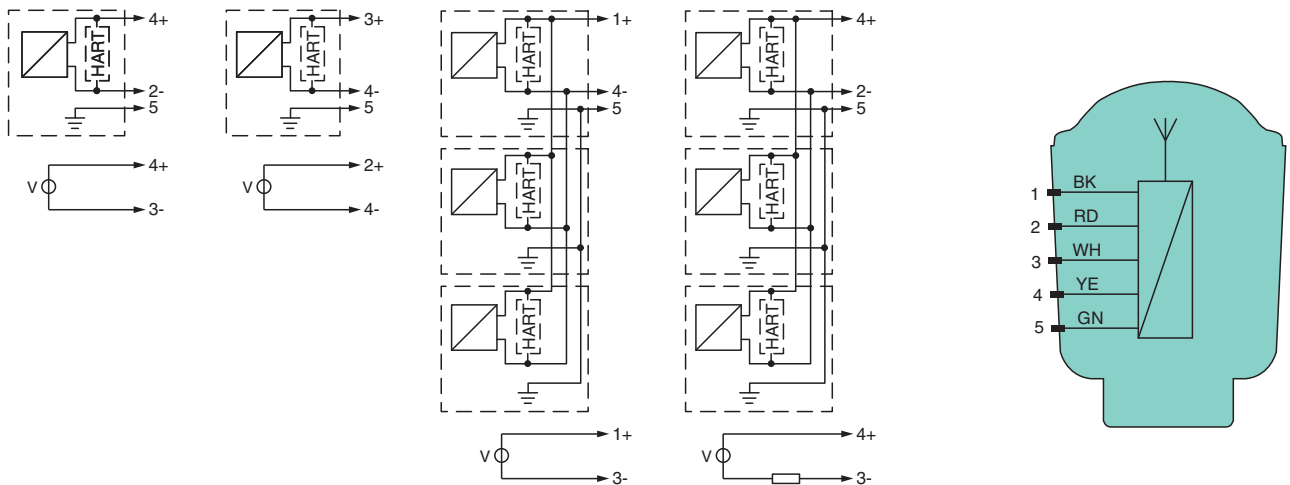
- Cast aluminum housing
- Loop powered
- Direct mounting on HART or 4 mA ... 20 mA field device
- Encapsulated antenna
- Up to 8 field devices in multidrop



Function

The device upgrades a conventional HART or 4 ... 20 mA field device with a WirelessHART interface. The supply is ensured via loop power. The adapter is suitable for use in a nonhazardous area and it can be used directly on the field device or it can be integrated in the 4 ... 20 mA loop. Up to 8 HART field devices can be connected to each other in multidrop mode. The device can be programmed with a configuration tool easily (DTM or DD).

Connection



Technical Data

Supply			
Rated voltage	U_r	7 ... 32 V DC	
Rated current	I_r	< 1 mA , max. 25 mA	
Electrical specifications			
Output rated operating current		3.2 ... 25 mA	
Supply		loop power for field devices voltage: 1 ... 2.5 V DC, adjustable in steps of 0.5 V	
Input			
Connection		- 5 wires, 600 mm long, exiting from male thread NPT1/2 - 1 external grounding point	
HART communication			
Protocol		HART 7.1, backward compatible	

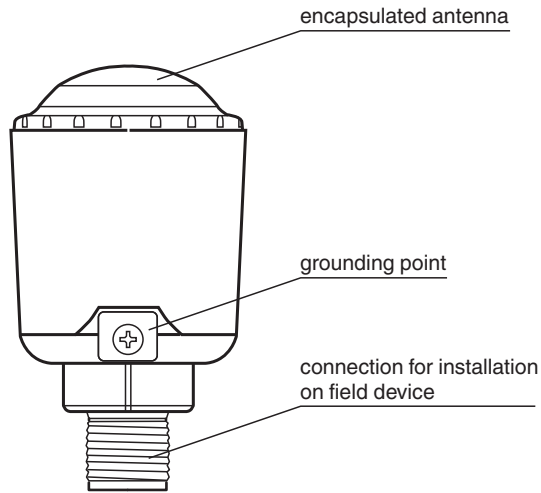
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Technical Data

Number of devices	up to 8 HART field devices (depending on installation)
Output	
Interface	internal antenna
Communication	WirelessHART specifications - physical layer: IEEE 802.15.4.2006 - frequency band: 2.4 GHz (ISM band, licence free) - maximum transmit power: +10 dBm - outdoor transmission range: 235 m - communication standard: WirelessHART acc. to IEC 62591
Directive conformity	
Radio and telecommunication terminal equipment	The usage of 2.4 GHz equipment is bound to local restrictions. Ensure that restrictions allow usage of this product before commissioning.
Directive 2014/53/EU	EN 300 328 V2.1.1:2016 EN 301 489-1 V2.2.0:2017 EN 301 489-17 V3.2.0:2017
FCC CFR47 Part 15 B and C	ANSI C63.4-2003 , FCC ID: X89-WA1101
Conformity	
Degree of protection	IEC 60529:2013
Ambient conditions	
Ambient temperature	-40 ... 85 °C (-40 ... 185 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	max. 100 %
Mechanical specifications	
Degree of protection	IP67
Material	aluminum alloy with polyurethane enamel paint
Mass	460 g
Dimensions	60.8 x 60.8 x 100 mm (l x w x h)
International approvals	
FM approval	FM 17 NUS 0010
Control drawing	116-0425 (cFMus)
CSA approval	FM 17 NCA 0004
Control drawing	116-0425 (cFMus)
General information	
Supplementary information	Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com .

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Assembly



Accessories

	<p>DTM WirelessHART Adapter "Bullet"</p>	
	<p>AD.*.*.*.*</p>	

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

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