



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

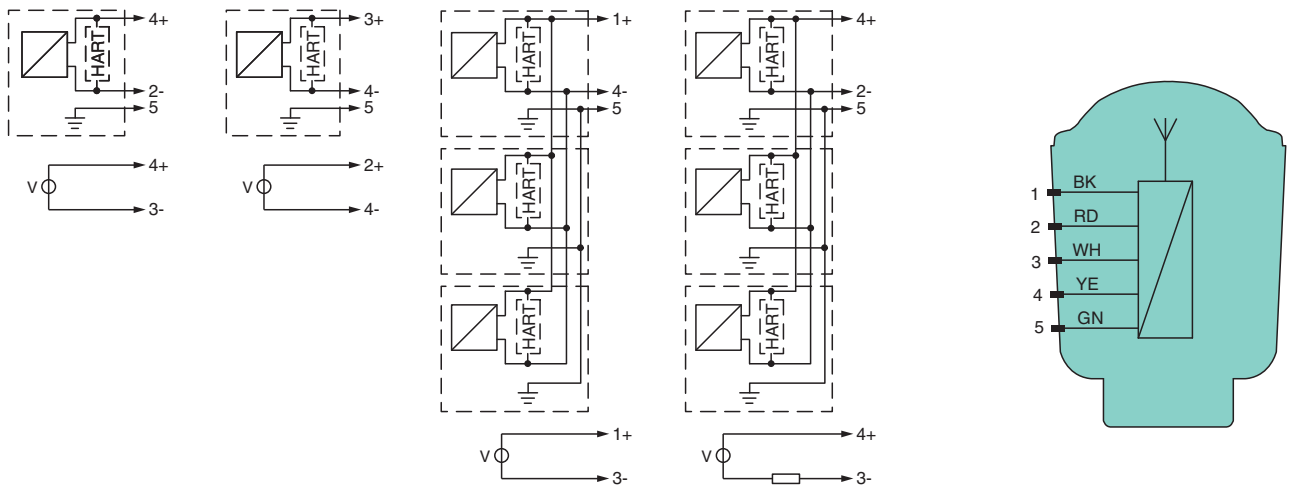
- Cast aluminum housing
- Loop powered
- Direct mounting on HART or 4 mA ... 20 mA field device
- Encapsulated antenna
- Up to 8 field devices in multidrop



## 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

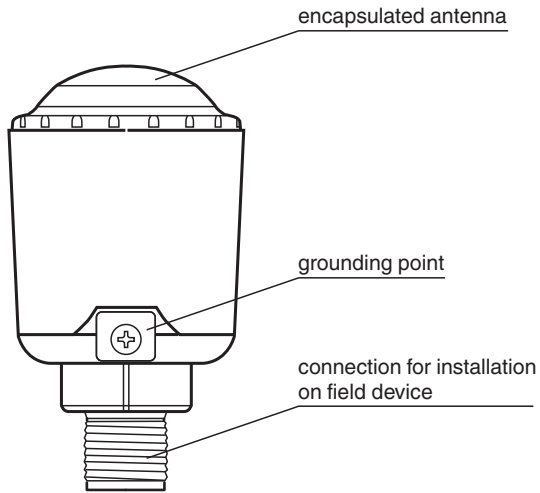
<b>Supply</b>		
Rated voltage	$U_r$	7 ... 32 V DC
Rated current	$I_r$	< 1 mA , max. 25 mA
<b>Electrical specifications</b>		
Output rated operating current		3.2 ... 25 mA
Supply		loop power for field devices voltage: 1 ... 2.5 V DC, adjustable in steps of 0.5 V
<b>Input</b>		
Connection		- 5 wires, 600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

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## Technical Data

Number of devices	up to 8 HART field devices (depending on installation)
<b>Output</b>	
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
<b>Directive conformity</b>	
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
<b>Conformity</b>	
Degree of protection	IEC 60529:2013
<b>Ambient conditions</b>	
Ambient temperature	-40 ... 85 °C (-40 ... 185 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	max. 100 %
<b>Mechanical specifications</b>	
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)
<b>International approvals</b>	
FM approval	FM 17 NUS 0010
Control drawing	116-0425 (cFMus)
CSA approval	FM 17 NCA 0004
Control drawing	116-0425 (cFMus)
<b>General information</b>	
Supplementary information	Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .

## Assembly



## Accessories

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