

Base station for IDM-Z1-* (Zone 1/21)

IDM-Z1-x64-B-J1-BT-N0

- Base/charging station for IDM-Z1-x61-M-* Bluetooth® handheld readers
- Certified for ATEX and IECEx Zone 1/21
- Bluetooth interface

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Function

IDM-Z1-x64-B-* Bluetooth® base/charging stations are used with IDM-Z1-x64-M-* handheld readers.
Several connection cables are available as accessories for connectivity to Pepperl+Fuchs VisuNet HMI components.
Additional models are available for non-hazardous areas.

Technical Data

General specifications		
Radio distance (in open air)		max. 100 m
Electrical specifications		
Operating voltage	U_B	4.9 V DC
Current consumption		480 mA
Interface		
Interface type		Bluetooth V4.0 EDR , Class 1 Electrical interfaces: RS-232 , USB
Transmitter frequency		2.4 ... 2.4835 GHz (ISM band)
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61000-6-2:2005 + AC:2005 , EN 61000-6-4:2007 + A1:2011
Radio and telecommunication terminal equipment		
Directive 2014/53/EU		EN 300328 V2.1.1:2016 , EN 301489-1 V2.2.0:2017 , EN 301489-17 V3.2.0:2017
RoHS		
Directive 2011/65/EU (RoHS)		EN 50581:2012
Conformity		
Electromagnetic compatibility		EN 60950-1:2006+A1:2010+A2:2013+A11:2009+A12:2011
Ambient conditions		
Operating temperature		-20 ... 50 °C (-4 ... 122 °F)
Storage temperature		-40 ... 70 °C (-40 ... 158 °F)
Relative humidity		95 % non-condensing
Mechanical specifications		
Degree of protection		IP40
Data for application in connection with hazardous areas		
EU-type examination certificate		IBExU18ATEX1050 IECEx IBE 18.0009

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Technical Data

Marking	Zone 1/21 model: Ⓔx II 2G Ex ib IIB T4 Gb Ⓔx II 2D Ex ib IIIC T135°C Db
Directive conformity	
Directive 2014/34/EU	EN 60079-0:2018 EN 60079-11:2012
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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