



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

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



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

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Technical Data

Marking	Zone 1/21 model: Ⓜ II 2G Ex ib IIB T4 Gb Ⓜ 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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