



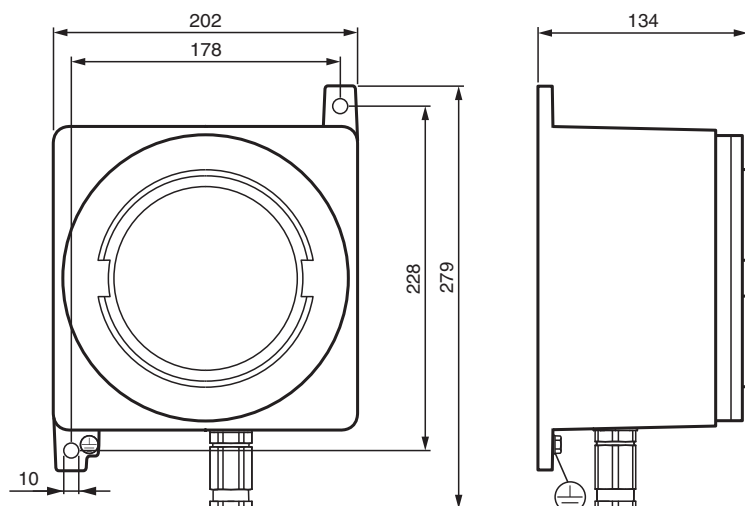
Read/write head hazardous area IQH1-FP-V1-Ex GUBW1

- Read/Write Head for Hazardous Areas
- Flameproof enclosure
- ATEX-approval for zone 1 and zone 21
- For connection to IDENTControl control interface

HF read/write head, ISO 15693, for IDENTControl, hazardous areas



Dimensions



Technical Data

General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s
Operating distance	typ. 40 mm

Indicators/operating means

LED green/yellow	green: power on green flashing: read/write attempt performed yellow: data carrier detected
------------------	--

Electrical specifications

Power consumption	P_0	$\leq 1.3 \text{ W}$
Supply		from the IDENTControl

Directive conformity

Radio equipment	
Directive 2014/53/EU	EN 301489-1 EN 301489-3 EN 300330 EN 62368-1 EN 50364

RoHS	
Directive 2011/65/EU (RoHS)	EN 50581

Release date: 2020-07-09 Date of issue: 2020-07-14 Filename: 70112784_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Standard conformity

Degree of protection EN 60529

RFID ISO/IEC 15693-2
ISO/IEC 15693-3
ISO/IEC 18000-3

Approvals and certificates

IECEx approval IECEx INE 14.0042X

ATEX approval INERIS 14 ATEX 0035X
Device type: GUBW1.D.CP-IQH1-FP-V1
Device number: 70117532

Marking Ⓔ II 2 GD
Ex db IIC T6 Gb
Ex tb IIIC T85°C Db

Ambient conditions

Ambient temperature -25 ... 55 °C (-13 ... 131 °F)

Storage temperature -40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Degree of protection IP66

Connection Terminal block with screw connection
Max. clamping range 0.13 mm² ... 2.5 mm² M20 barrier gland for unarmored cables,
clamping range 3 mm ... 8.5 mm

Material

Housing Seawater-resistant aluminum

Installation

Distance between two heads Multiplex on: ≥ 155 mm
Multiplex off: ≥ 350 mm

Mass approx. 6900 g

Equipment protection level Gb

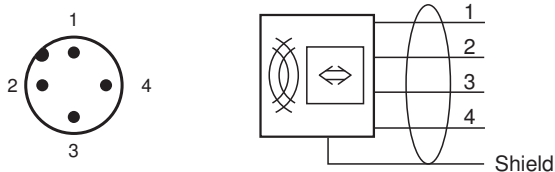
CE marking [*PD-Z20124A*]

ATEX marking Ⓔ II 2 GD Ex db IIC T6 Gb

Directive conformity 2014/34/EU

Standards EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 61241-0:2006, EN 61241-1:2004
Flameproof enclosure ignition protection class
Use is restricted to the following stated conditions

Connection



Accessories

	IC-KP-B6-V15B	Control interface unit IDENTControl with PROFIBUS DP interface
	IC-KP-B17-AIDA1	IDENTControl control interface with Ethernet interface for TCP/IP, PROFINET, EtherNet/IP, and MODBUS TCP protocols
	IC-KP2-2HRX-2V1	Control interface unit IDENTControl Compact with serial interface RS-232 and RS-485

Accessories

	IC-KP2-2HB6-V15B	Control interface unit IDENTControl Compact with interface for PROFIBUS DP
	IC-KP2-2HB17-2V1D	IDENTControl Compact control interface with Ethernet interface for TCP/IP, PROFINET, EtherNet/IP, and MODBUS TCP protocols
	IC-KP2-2HB21-2V1D	Control interface unit IDENTControl Compact with EtherCAT interface
	IQC21-16 50pcs	Data carrier
	IQC21-50F-T10	Data carrier
	IQC21-58	Data carrier
	IQC22-22-T9 50pcs	Data carrier
	IQC33-20 50pcs	Data carrier
	IQC33-30 25pcs	Data carrier
	IQC33-50 25pcs	Data carrier
	IQC21-50 25pcs	Data carrier
	IQC21-30 25pcs	Data carrier
	IQC21-30-EX smart-DOME 50pcs	Data carrier for hazardous area