



RFID read/write device hazardous area

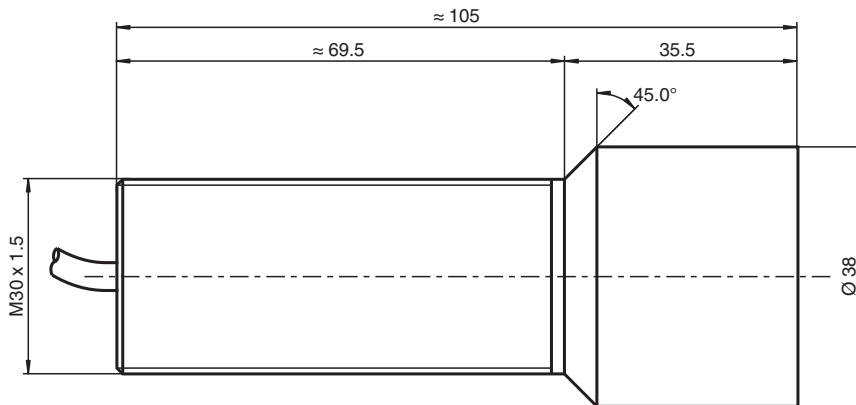
IQH1-30GM-Ex

- Read/write head with thread M30 x 1.5
- ATEX-approval for zone 1 and zone 21
- Degree of protection IP68
- 15 m connection cable
- For connection to IDENTControl control interface
- Encapsulation Ex m

HF RFID read/write device for hazardous areas, ISO 15693, for IDENTControl



Dimensions



Technical Data

General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s
MTBF	375 a (Operation at +40 °C)

Electrical specifications

Power consumption	P ₀	≤ 1.2 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)	IEC/EN 63000

Standard conformity

Explosion protection	EN IEC 60079-0 EN 60079-18/A1
Degree of protection	EN 60529

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

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Technical Data

RFID		ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3
Approvals and certificates		
ATEX approval		
Marking		⊕ II 2G Ex mb IIC T4 Gb ⊕ II 2D Ex mb IIIC T130°C Db
Equipment protection level Gb		IBExU 21ATEX1039 X
Equipment protection level Db		IBExU 21ATEX1039 X
Ambient conditions		
Ambient temperature		-20 ... 70 °C (-4 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Degree of protection		IP68
Connection		15 m connecting cable included with delivery Connection e.g. with terminal boxes Series GL5
Material		
Housing		Stainless steel 1.4305 / AISI 303
Installation		flush
Distance between two heads		Multiplex on: ≥ 155 mm Multiplex off: ≥ 350 mm
Mass		approx. 2000 g
Dimensions		
Length		105 mm ± 1 mm
Diameter		38 mm
General information		
Use in the hazardous area		see instruction manuals

Connection

