

## Properties

- Up to 65 mm range
- LF and HF System
- ø 18 and 30 mm versions, cylindrical

## Your Benefit

**IPH-***

- LF solutions for high metallic environments
- Compatibility with any IDENT*Control* interface simplifies parts selection and reduces complexity

**IQH1-***

- HF solution enables fast data exchange
- Conforms to ISO/IEC 15693
- Use with IQC tag

**IQH2-***

- Conforms to ISO/IEC 14443 Mode A
- Exceptionally fast tag access, ideal for high-speed applications

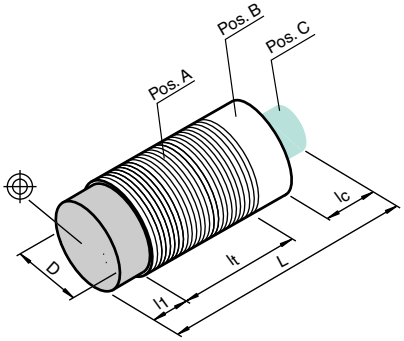
## Technical Data

*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

| General Data | |
|---|---|
| UL File Number | E87056 |
| LED green/yellow | Multihole-LED:<br>green: power on<br>green flashing: read/write attempt performed<br>yellow: data carrier detected |
| Power consumption | ≤ 1.2 W |
| Ambient temperature | -25 ... 70 °C (-13 ... 158 °F) |
| Protection degree | IP67 |
| Connection | M12 x 1 connector |
| Installation | non-flush |

| Model Number | | IPH-18GM-V1 | IQH1-18GM-V1 | IQH2-18GM-V1 | IPH-30GM-V1 |
|---|---|---|---|---|---|
| Operating frequency | 125 kHz | ● | | | ● |
| | 13.56 MHz | | ● | ● | |
| Read distance | 0 ... 22 mm | | | ● | |
| | 0 ... 55 mm | | ● | | |
| | 1 ... 50 mm | ● | | | |
| | 1 ... 65 mm | | | | ● |
| Write distance | 0 ... 22 mm | | | ● | |
| | 0 ... 40 mm | ● | | | |
| | 0 ... 55 mm | | ● | | |
| | 1 ... 55 mm | | | | ● |

| Dimensions | | |
|---|---|---|
| Length L [mm] | 66 | |
| Diameter D [mm] | 18 | 30 |
| Thread length $l_t$ [mm] | 34 | 32 |
| Cap length $l_1$ [mm] | 16 | 18 |
| Connector area $l_c$ [mm] | 16 | |




## Accessories

This and more accessories can be found in chapter 10

See pages from 974 ... for cordsets
See pages 1074 ... for mounting aids

| | |
|---|---|
| **V1-G-5M-PUR-ABG-V1-W** | Double-ended cordset, M12 to M12, PUR cable 4-pin, shielded |
| **V1-G-10M-PUR-ABG-V1-W** | Double-ended cordset, M12 to M12, PUR cable 4-pin, shielded |
| **IQC21-50P** | Data carrier |
| **IQC21-58** | Data carrier |
| **IQC33-20** | Data carrier |
| **IQC33-30** | Data carrier |
| **IQC33-50** | Data carrier |
| **IQC24-27-T12** | Data carrier |
| **IQC22-22-T9** | Data carrier |



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