

# Read/Write Heads—Frequency Range HF



Standard Technical Data	
Frequency	HF (13.56 MHz)
HF protocol	ISO 15693
Ambient temperature (min)	-25 °C
Ambient temperature (max)	70 °C

For detailed data and description, see the datasheet. Further products can be found online at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com).

Model number	Max. read distance	Interface	Connection type	Degree of protection	Length L	Width W	Height H	Diameter D	CSA	KCC	UL
<b>IQH1-18GM-V1</b>	50		M12 connector plug	IP67	61			18	■	■	■
<b>IQH1-F61-V1</b>	55		M12 connector plug	IP67	80	28	12		■		■
<b>IQH1-FP-V1</b>	130		M12 connector plug	IP67	108.5	80	40		■		■
<b>IQH1-FP7V4A</b>	130		Terminals	IP69K	108.5	80	40				■
<b>IQH1-F198-V1</b>	150		M12 connector plug	IP67	190.5	175	12		■		■
<b>IQH1-F198-M-V1</b>	150		M12 connector plug	IP67	190.5	175	12				
<b>IQT1-18GM-IO-V1</b>	50	IO-Link	M12 connector plug	IP67	61			18	■		■
<b>IQT1-F61-IO-V1</b>	55	IO-Link	M12 connector plug	IP67	80	28	12		■		■
<b>IQT1-FP-IO-V1</b>	130	IO-Link	M12 connector plug	IP67	108.5	80	40		■		■
<b>IQT1-18GM-R4-V1</b>	50		M12 connector plug	IP67	61			18			■
<b>IQT1-F61-R4-V1</b>	55		M12 connector plug	IP67	80	28	12		■		■
<b>IQT1-FP-R4-V1</b>	130		M12 connector plug	IP67	108.5	80	40				■

## Highlights

- IO-Link for Industry 4.0 applications
- Wide variety of housing designs (cubic and cylindrical) for optimal integration
- Smaller designs with minimal space requirements
- Extra-compact versions for flush mounting on metal
- Special designs, optimized for the tire manufacturing industry
- Supports the global standard ISO 15693

## Brief Description

High-speed applications in which large amounts of data are being transferred call for read/write heads in the high-frequency range (13.56 MHz). These read/write heads offer fully reliable read results in all near-field applications up to 15 centimeters, making them the ideal solution for identifying pallets or trays in material handling, for instance. The Pepperl+Fuchs portfolio offers a wide variety of cylindrical and cubic designs for this purpose, available in various sizes and designs of housing. In addition, the portfolio includes versions designed for specific applications, such as the F198 with its ring-shaped design, which is perfectly tailored to the requirements of the tire industry. Another feature of this latest generation of HF RFID read/write heads is an IO-Link interface for connecting to all standard IO-Link masters.

Accessories	
<b>AB-FP</b>	Mounting bracket
<b>IC-KP-B17-AIDA1</b>	IDENTControl control interface with Ethernet
<b>IC-KP-B6-V15B</b>	IDENTControl control interface with PROFIBUS
<b>IC-KP2-1HB17-2V1D</b>	IDENTControl Compact control interface with Ethernet
<b>IC-KP2-1HB6-V15B</b>	IDENTControl Compact control interface with PROFIBUS
<b>IC-KP2-1HRX-2V1</b>	IDENTControl Compact control interface with serial
<b>IC-KP2-2HB17-2V1D</b>	IDENTControl Compact control interface with Ethernet
<b>IC-KP2-2HB21-2V1D</b>	IDENTControl Compact control interface with EtherCAT