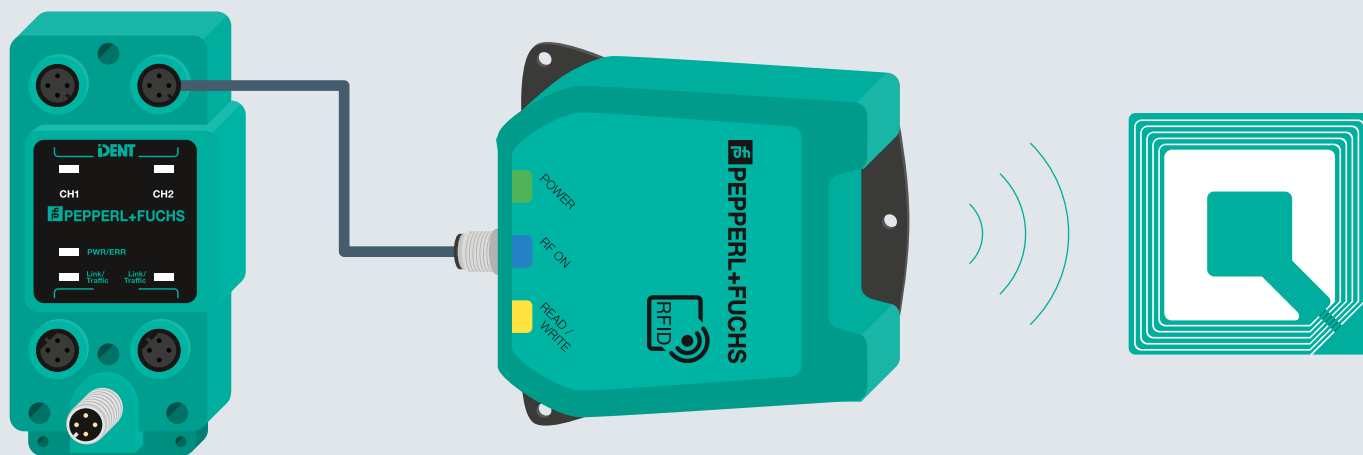


Identification Systems—Control Interfaces

IDENTControl: One System for Outstanding Compatibility

The control interfaces in the IDENTControl system are perfect for integrating into almost any system environment. Integration is simple and incredibly flexible. Furthermore, the control interfaces can be combined with a variety of read/write heads and tags, and are therefore ideal for global use. In addition, the system's wide-ranging compatibility grants the user complete freedom when expanding their own system.



Multiple read/write heads of varying frequencies from the Pepperl+Fuchs IDENTControl product family can be connected to the IDENTControl and IDENTControl Compact control interfaces. Connecting the devices is simple and hassle-free, ensuring the highest level of compatibility.

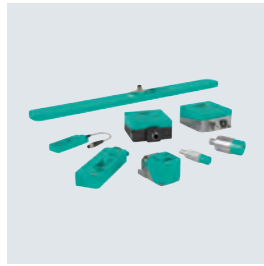
When a read/write head receives the data stored in a tag via its electromagnetic field, this data is automatically forwarded to the control interface and processed.

RFID Identification Systems

Contents



IDENTControl control interfaces
Page 302



Frequency range LF
Page 303



Frequency range HF
Page 304



Frequency range UHF
Page 305



Tags - frequency range LF
Page 306



Tags - frequency range HF
Page 307



Tags - frequency range UHF
Page 308



Handhelds - series HH27
Page 309

IDENTControl Control Interfaces



Standard Technical Data

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.

Model number	Number of read/write heads	Interface	Connection type	Degree of protection	Length L	Width W	Height H	UL
IC-KP-B17-AIDA1	Max. 4	EtherNet/IP, MODBUS/TCP, PROFINET, TCP/IP	AIDA	IP67	148	105	73	■
IC-KP-B6-2V15B	Max. 4	PROFIBUS	M12 connector plug	IP67	148	105	73	■
IC-KP-B6-SUBD	Max. 4	PROFIBUS	M12 connector plug, sub-D 9-pin	IP40	148	105	73	■
IC-KP-B6-V15B	Max. 4	PROFIBUS	M12 connector plug	IP67	148	105	73	■
IC-KP-B7-V95	Max. 4	DeviceNet	M12 connector plug, mini style	IP67	148	105	73	■
IC-KP-R2-V1	Max. 4	RS-232	M12 connector plug	IP67	148	105	73	■
IC-KP2-1HB17-2V1D	Max. 1	EtherNet/IP, MODBUS/TCP, PROFINET, TCP/IP	M12 connector plug	IP67	137	62	42	■
IC-KP2-1HB6-2V15B	Max. 1	PROFIBUS	M12 connector plug	IP67	137	62	42	■
IC-KP2-1HB6-V15B	Max. 1	PROFIBUS	M12 connector plug	IP67	137	62	42	■
IC-KP2-1HRX-2V1	Max. 1	RS-232, RS-485	M12 connector plug	IP67	137	62	42	■
IC-KP2-2HB17-2V1D	Max. 2	EtherNet/IP, MODBUS/TCP, PROFINET, TCP/IP	M12 connector plug	IP67	137	62	42	■
IC-KP2-2HB18-2V1	Max. 2	CC-Link	M12 connector plug	IP67	142	62	42	■
IC-KP2-2HB21-2V1D	Max. 2	EtherCAT	M12 connector plug	IP67	142	62	42	■
IC-KP2-2HB6-V15B	Max. 2	PROFIBUS	M12 connector plug	IP67	137	62	42	■
IC-KP2-2HRX-2V1	Max. 2	RS-232, RS-485	M12 connector plug	IP67	137	62	42	■

Highlights

- Connection/evaluation of all RFID frequencies on a single device
- EMC protection and sturdy, fully encapsulated metal housing for total noise immunity
- Simple system integration—can be connected to all standard fieldbuses
- Compact version for decentralized field mounting
- Display and function keys for easy commissioning
- Plug-in connections for simple handling

Brief Description

The control interfaces in the IDENTControl series allow up to four read/write heads of varying RFID frequencies to be connected at the same time. In addition, it is possible to operate the separate devices jointly and connect trigger sensors. The devices are available for all standard fieldbus types and Ethernet protocols (PROFIBUS, PROFINET, EtherNet/IP, TCP/IP, MODBUS TCP), and can therefore be used around the world.

Accessories

CBL-PUR-PN-GN-04x034-100M	Cable, PROFINET, PUR/PE, 4-wire, shielded
ICZ-2T/TR-0,2M-PUR ABG-V15B-G	Terminal cable for PROFIBUS with terminator
ICZ-3T-0,3M-PUR ABG-V15B-G	Y-splitter cordset for PROFIBUS
ICZ-3T-0,3M-PVC-CCL-V1-G	Y-splitter cordset for CC-Link
ICZ-AIDA1-B	Stopping plug for IC-KP-B17-AIDA1
ICZ-AIDA1-V45	Connector for RJ-45
ICZ-AIDA2-V45	Connector for RJ-45
ICZ-AIDA2-V45-0,2M-PUR-V1D-G	Cordset, RJ-45 to M12

Read/Write Heads—Frequency Range LF



Standard Technical Data	
Frequency	LF (125 kHz)
Ambient temperature (min)	-25 °C
UL	■

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

Model number	Max. read distance	Connection type	Degree of protection	Ambient temperature (max)	Length L	Width W	Height H	Diameter D	CSA	EAC	UL
IPH-18GM-V1	50	M12 connector plug	IP67	70	66			18	■		■
IPH-30GM-V1	65	M12 connector plug	IP67	70	66			30	■		■
IPH-F15-V1	155	M12 connector plug	IP67	70	190	140	40.5		■		■
IPH-F61-V1	45	M12 connector plug	IP67	70	80	28	12		■		■
IPH-F90A-V1	90	M12 connector plug	IP67	55	144.5	43.5	21				■
IPH-F97-V1	70	M12 connector plug	IP67	55	540	50	34				■
IPH-FP-V1	100	M12 connector plug	IP67	70	113	80	40		■		■
IPH-FP7V4A	100	Terminals	IP69K	70	103	80	40				■
IPH-L2-V1	75	M12 connector plug	IP67	70	55.5	40	40		■	■	■

Highlights

- Wide variety of housing designs (cubic/cylindrical) for optimal integration
- Smaller designs with minimal space requirements
- Extra-compact versions for flush mounting on metal
- Special designs, optimized for integration into roller conveyor systems
- For demanding applications (e.g., in the food industry)

Brief Description

For applications with an operating distance of 0 millimeters to 100 millimeters, read/write heads in the low frequency range (125 kHz) are the perfect solution. Pepperl+Fuchs offers a complete portfolio of devices for such applications. These devices boast an impressively high level of reliability, even when used in metallic environments. The wide variety of cylindrical or cubic designs are available in various sizes and housing designs and are guaranteed to bring the highest degree of flexibility to any application. In addition, Pepperl+Fuchs offers a number of special designs that have been optimized to meet requirements specific to each industry. The portfolio includes solutions such as the LF systems in cylindrical designs with an M18/30 thread, specially designed to be flush mounted on metal.

Accessories	
IC-KP-B17-AIDA1	IDENTControl control interface with Ethernet interface for TCP/IP, PROFINET, Ethernet/IP, and MODBUS TCP protocols
IC-KP-B6-V15B	IDENTControl control interface with PROFIBUS-DP interface
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	IDENTControl Compact control interface with EtherCAT interface
IC-KP2-2HB6-V15B	IDENTControl Compact control interface with interface for PROFIBUS DP
IC-KP2-2HRX-2V1	IDENTControl Compact control interface with RS-232 and RS-485 serial interface
IPC02-12 50pcs	Read-only tag

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.

Model number	Max. read distance	Interface	Connection type	Degree of protection	Length L	Width W	Height H	Diameter D	CSA	KCC	UL
IQH1-18GM-V1	50		M12 connector plug	IP67	61			18	■	■	■
IQH1-F61-V1	55		M12 connector plug	IP67	80	28	12		■		■
IQH1-FP-V1	130		M12 connector plug	IP67	108.5	80	40		■		■
IQH1-FP7V4A	130		Terminals	IP69K	108.5	80	40				■
IQH1-F198-V1	150		M12 connector plug	IP67	190.5	175	12		■		■
IQH1-F198-M-V1	150		M12 connector plug	IP67	190.5	175	12				
IQT1-18GM-IO-V1	50	IO-Link	M12 connector plug	IP67	61			18	■		■
IQT1-F61-IO-V1	55	IO-Link	M12 connector plug	IP67	80	28	12		■		■
IQT1-FP-IO-V1	130	IO-Link	M12 connector plug	IP67	108.5	80	40		■		■
IQT1-18GM-R4-V1	50		M12 connector plug	IP67	61			18			■
IQT1-F61-R4-V1	55		M12 connector plug	IP67	80	28	12		■		■
IQT1-FP-R4-V1	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	
AB-FP	Mounting bracket
IC-KP-B17-AIDA1	IDENTControl control interface with Ethernet
IC-KP-B6-V15B	IDENTControl control interface with PROFIBUS
IC-KP2-1HB17-2V1D	IDENTControl Compact control interface with Ethernet
IC-KP2-1HB6-V15B	IDENTControl Compact control interface with PROFIBUS
IC-KP2-1HRX-2V1	IDENTControl Compact control interface with serial
IC-KP2-2HB17-2V1D	IDENTControl Compact control interface with Ethernet
IC-KP2-2HB21-2V1D	IDENTControl Compact control interface with EtherCAT

Read/Write Heads—Frequency Range UHF



Standard Technical Data	
Frequency	UHF (865 MHz ... 928 MHz)
Connection type	M12 connector plug
Degree of protection	IP67
Ambient temperature (max)	70 °C

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

Model number	RF approval	Transmission power	Region UHF	Max. read distance	Ambient temp. (min)	Length L	Width W	Height H	CSA	UL
IUH-F190-V1-FR1-01	EU, Turkey	3 mW ... 1000 mW	ETSI (865 MHz ... 868 MHz)	2000	-20	100	100	63		
IUH-F190-V1-FR2-02	Argentina, Canada, USA	3 mW ... 1250 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63	■	■
IUH-F190-V1-FR2-03	China	3 mW ... 800 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		■
IUH-F190-V1-FR1-04	India	3 mW ... 800 mW		2000	-20	100	100	63		
IUH-F190-V1-FR1-05	Singapore, Vietnam	3 mW ... 500 mW	ETSI (865 MHz ... 868 MHz)	2000	-20	100	100	63		
IUH-F190-V1-FR1-06	Russia	3 mW ... 800 mW		2000	-20	100	100	63		
IUH-F190-V1-FR2-07	Brazil	3 mW ... 1250 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		
IUH-F190-V1-FR2-08	Japan	3 mW ... 125 mW	FCC (902 MHz ... 928 MHz)	700	-20	100	100	63		
IUH-F190-V1-FR2-10	Australia		FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		
IUH-F190-V1-FR2-12	Hong Kong, Thailand	3 mW ... 1250 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		
IUH-F190-V1-FR2-13	Malaysia	3 mW ... 800 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		
IUH-F190-V1-FR2-14	Singapore, Vietnam	3 mW ... 500 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		
IUH-F192-V1-FR1	EU, India, Russia, Turkey	10 mW ... 2000 mW	ETSI (865 MHz ... 868 MHz)	4000	-25	268	270	81		
IUH-F192-V1-FR2	Australia, Brazil, China, Malaysia, New Zealand	10 mW ... 4000 mW	FCC (902 MHz ... 928 MHz)	4000	-25	268	270	81	■	
IUH-F192-V1-FR2-02	Argentina, USA	10 mW ... 4000 mW	FCC (902 MHz ... 928 MHz)	4000	-25	268	270	81	■	
IUT-F190-R4-V1-FR1-01	EU, Turkey	3 mW ... 1000 mW	ETSI (865 MHz ... 868 MHz)	2000	-20	100	100	63		
IUT-F190-R4-V1-FR2-02	Canada, USA	3 mW ... 1250 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63	■	■
IUT-F190-R4-V1-FR2-03	China	3 mW ... 800 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		■
IUT-F190-R4-V1-FR1-05	Singapore, Vietnam	3 mW ... 500 mW	ETSI (865 MHz ... 868 MHz)	2000	-20	100	100	63		
IUT-F190-R4-V1-FR1-06	Russia	3 mW ... 800 mW		2000	-20	100	100	63		
IUT-F190-R4-V1-FR2-07	Brazil	3 mW ... 1250 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		
IUT-F190-R4-V1-FR2-14	Singapore, Vietnam	3 mW ... 500 mW	FCC (902 MHz ... 928 MHz)	2000	-20	100	100	63		

Highlights

- For medium to large detection ranges and global use
- Preassembled function blocks for quick and simple system integration
- Compact, durable housing with a wide range of applications
- Switchable antenna polarization for accurate tag identification and reliable process flows
- Multi tag reading for impressive productivity

Brief Description

The UHF systems (865 MHz – 928 MHz) from Pepperl+Fuchs are the perfect choice for all long-distance applications requiring long detection ranges of up to 6 meters. Their compact design featuring an integrated antenna means these devices are also ideal for use in confined spaces.

Accessories	
IC-KP-B17-AIDA1	IDENTControl control interface with Ethernet
IC-KP2-1HB17-2V1D	IDENTControl Compact control interface with Ethernet
IC-KP2-1HB6-2V15B	IDENTControl Compact control interface with PROFIBUS
IC-KP2-1HRX-2V1	IDENTControl Compact control interface with serial
IC-KP2-2HB17-2V1D	IDENTControl Compact control interface with Ethernet
IC-KP2-2HB18-2V1	IDENTControl Compact control interface with CC-Link
IC-KP2-2HB21-2V1D	IDENTControl Compact control interface with EtherCAT

Tags—Frequency Range LF



Standard Technical Data

Frequency	LF (125 kHz)
------------------	--------------

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

Model number	Special features	Memory size	Mounting	Degree of protection	Length L	Width W	Height H	Diameter D
IPC02-12 50pcs	High temperature	40 bit ROM	Non-conductive material	IP68			2.2	12.4
IPC02-16 50pcs	High temperature	40 bit ROM	Non-conductive material	IP68			3	16
IPC02-26-T6 10pcs	High temperature	40 bit ROM	Non-conductive material	IP68			4	26
IPC02-20P		40 bit ROM	Non-conductive material	IP68/IP69K			3	20
IPC02-30P	High temperature	40 bit ROM	Non-conductive material	IP68			3	30
IPC02-50 25pcs		40 bit ROM	Non-conductive material	IP68			3	50
IPC02-C1 10pcs		40 bit ROM	Non-conductive material	IP68	85.6	54	0.8	
IPC03-8		928 bit EEPROM, 32 bit ROM	On metal, in metal, non-conductive material	IP67			5	8
IPC03-10		928 bit EEPROM, 32 bit ROM	On metal, in metal, non-conductive material	IP67			4.5	10
IPC03-12.4 10pcs		928 bit EEPROM, 32 bit ROM	On metal, in metal, non-conductive material	IP67			6	12.1
IPC03-16GK		928 bit EEPROM, 32 bit ROM	On metal, in metal, non-conductive material	IP67			6	16
IPC03-30GK		928 bit EEPROM, 32 bit ROM	On metal, in metal, non-conductive material	IP67			20	30
IPC03-30P	High temperature	928 bit EEPROM, 32 bit ROM	Non-conductive material	IP68			3	30
IPC03-50P	High temperature	928 bit EEPROM, 32 bit ROM	Non-conductive material	IP68			5	50
IPC03-54-T8	High temperature	928 bit EEPROM, 32 bit ROM	On metal, non-conductive material	IP67			15	54
IPC03-58	High temperature	928 bit EEPROM, 32 bit ROM	On metal, non-conductive material	IP67			20.1	58
IPC03-C1 10pcs		928 bit EEPROM, 32 bit ROM	Non-conductive material	IP68	85.6	54	0.8	
IPC11-12 50pcs	High temperature	40 bit EEPROM	Non-conductive material	IP68			2	12.4
IPC11-50CD 10pcs		40 bit EEPROM	Non-conductive material	IP67			2	50

Tags—Frequency Range HF



Standard Technical Data	
Frequency	HF (13.56 MHz)
HF protocol	ISO 15693

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

Model number	Special features	Memory size	Mounting	Degree of protection	Length L	Width W	Height H	Diameter D
IQC21-10 10pcs		896 bit EEPROM	On metal, in metal, non-conductive material	IP67			4.5	10
IQC21-16 50pcs		896 bit EEPROM	Non-conductive material	IP67			2.9	16
IQC21-30 25pcs	High temperature	896 bit EEPROM	Non-conductive material	IP68			3	30
IQC21-50 25pcs		896 bit EEPROM	Non-conductive material	IP68			3	50
IQC21-58		896 bit EEPROM	On metal, non-conductive material	IP67			20.1	58
IQC21-50F-T10	High temperature	896 bit EEPROM	Non-conductive material	IP68	51.5	51.5	6.4	
IQC21-15L15 500pcs		896 bit EEPROM	Non-conductive material	IP67	14.5	14.5	0.2	
IQC21-18L35-M 500pcs		896 bit EEPROM	On metal, non-conductive material	IP67	35	18	0.5	
IQC21-51L51 500pcs		896 bit EEPROM	Non-conductive material	IP67	50.8	50.8	0.2	
IQC22-22-T9 50pcs	High temperature	2000 bit EEPROM	Non-conductive material	IP68			3	22
IQC24-27-T12	High temperature	7936 bit EEPROM	Non-conductive material	IP67			4	27
IQC33-20 50pcs	High storage capacity		Non-conductive material	IP68			2.5	20
IQC33-30 25pcs	High temperature		Non-conductive material	IP68			2.5	30
IQC33-50 25pcs	High storage capacity		Non-conductive material	IP68			3	50
IQC33-ST22	High storage capacity		On metal, non-conductive material	IP68			20.5	22
IQC35-10 50pcs	High temperature	1280 bit EEPROM	Non-conductive material	IP68			2	10
IQC37-30			Non-conductive material	IP68			2.8	30
IQC37-F162			On metal, non-conductive material	IP67	70	40	22	

Tag—Frequency Range UHF



Standard Technical Data

Frequency	UHF (865 MHz ... 928 MHz)
------------------	---------------------------

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

Model number	Special features	Mounting	Region UHF	Degree of protection	Length L	Width W	Height H	Diameter D
IUC72-F152-M-FR1		On metal	ETSI (865 MHz ... 868 MHz)	IP67	60	14	12	
IUC72-F152-M-FR2		On metal	FCC (902 MHz ... 928 MHz)	IP68	60	14	12	
IUC76-F157-T17-M-FR1	High temperature	On metal	ETSI (865 MHz ... 868 MHz)	IP68	51	36.3	7.5	
IUC76-F157-T17-M-FR2	High temperature	On metal	FCC (902 MHz ... 928 MHz)	IP68	51	36.3	7.5	
IUC76-F157-T18-M-FR1	High temperature	On metal	ETSI (865 MHz ... 868 MHz)	IP68	51	36.3	7.5	
IUC76-F157-T18-M-FR2	High temperature	On metal	FCC (902 MHz ... 928 MHz)	IP68	51	36.3	7.5	
IUC76-F157-T19-M-FR1	High temperature	On metal	ETSI (865 MHz ... 868 MHz)	IP69K	51	36.3	7.5	
IUC76-F157-T19-M-FR2	High temperature	On metal	FCC (902 MHz ... 928 MHz)	IP69K	51	36.3	7.5	
IUC76-F203-M-FR1 10pcs	High temperature	On metal	ETSI (865 MHz ... 868 MHz)	IP68	31.7	12.8	4.8	
IUC76-F203-M-FR2 10pcs	High temperature	On metal	FCC (902 MHz ... 928 MHz)	IP68	31.7	12.8	4.8	
IUC76-F204-M-FR1 10pcs	High temperature	On metal, in metal	ETSI (865 MHz ... 868 MHz)	IP68	10	5	3	
IUC76-F204-M-FR2 10pcs	High temperature	On metal, in metal	FCC (902 MHz ... 928 MHz)	IP68	10	5	3	
IUC76-F205-M-FR1 10pcs	High temperature	On metal	ETSI (865 MHz ... 868 MHz)	IP68	12.8	7.1	3.1	
IUC76-F205-M-FR2 10pcs	High temperature	On metal	FCC (902 MHz ... 928 MHz)	IP68	12.8	7.1	3.1	
IUC76-F208-M-FR1 10pcs	High temperature	On metal, in metal	ETSI (865 MHz ... 868 MHz)	IP68	25	25	3	
IUC76-F208-M-FR2 10pcs	High temperature	On metal, in metal	FCC (902 MHz ... 928 MHz)	IP68	25	25	3	
IUC76-F209-M-FR1 10pcs	High temperature	In metal	ETSI (865 MHz ... 868 MHz)	IP68	12.8	7.1	3.1	
IUC76-F209-M-FR2 10pcs	High temperature	In metal	FCC (902 MHz ... 928 MHz)	IP68	12.8	7.1	3.1	
IUC76-28L90-M-FR1 25pcs		On metal	ETSI (865 MHz ... 868 MHz)	IP68	90	28	0.9	
IUC76-28L90-M-FR2 25pcs		On metal	FCC (902 MHz ... 928 MHz)	IP68	90	28	0.9	
IUC76-34-M-FR1	High temperature	On metal	ETSI (865 MHz ... 868 MHz)	IP68			6	34
IUC76-34-M-FR2	High temperature	On metal	FCC (902 MHz ... 928 MHz)	IP68			6	34
IUC76-50-FR1	High temperature	Non-conductive material	ETSI (865 MHz ... 868 MHz)	IP68			8	50
IUC76-50-FR2	High temperature	Non-conductive material	FCC (902 MHz ... 928 MHz)	IP68			8	50
IUC76-83L25-GBL 50pcs		Non-conductive material	Global (865 MHz ... 928 MHz)	IP68	83	25	3	
IUC77-F151-M-GBL		On metal	Global (865 MHz ... 928 MHz)	IP68	47.5	51.5	10	
IUC77-25L100-GBL 1000pcs		Non-conductive material	Global (865 MHz ... 928 MHz)	IP67	100	25	0.2	
IUC82-23L50-M-FR1 500pcs		On metal	ETSI (865 MHz ... 868 MHz)	IP67	50	22.5	1.5	
IUC82-23L50-M-FR2 500pcs		On metal	FCC (902 MHz ... 928 MHz)	IP67	50	22.5	1.5	

Series HH27



Standard Technical Data	
Degree of protection	IP43
Ambient temperature (min)	0 °C
Ambient temperature (max)	45 °C
Housing length L	224 mm
Housing width W	88 mm
Housing height H	49 mm

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

Model number	Frequency	HF protocol
IPT-HH27	LF (125 kHz)	
IQT1-HH27	HF (13.56 MHz)	ISO 15693

Highlights

- Software can be tailored to individual identification tasks as required
- Function block for connecting directly to the control panel
- Robust design for indoor and outdoor use
- Quick, reliable identification for a high level of productivity
- Standard software with powerful features (e.g., write tags using batch file)

Brief Description

Durable, efficient, and tailor-made
 One thing that manual quality control and several tasks in the process flow have in common is that they all require the use of mobile devices for the purpose of identifying and editing tags. RFID handhelds from Pepperl+Fuchs are the perfect solution, and are suitable for any application and all frequency ranges. The standard software in the devices offers a variety of powerful, highly efficient features, including the ability to write multiple tags using a batch file. A function block can be integrated to enable a direct connection to the controller for data transmission. Customer-specific software solutions are also possible for precise adaptation to individual application requirements. Thanks to their robust design, the handhelds are resistant to harsh ambient conditions and are perfect for indoor and outdoor use.

Accessories	
IQZ-HH27-BAT	Lithium-polymer battery for IQT1-HH27 and IPT-HH27
IQZ-HH27-BAT1	Lithium ion battery for IQT1-HH27 and IPT-HH27
IQZ-HH27-CHARGER1	Docking station for IQT1-HH27 and IPT-HH27
IQZ-HH27-CHARGER2	Charger for IQZ-HH27-BAT