



Model Number

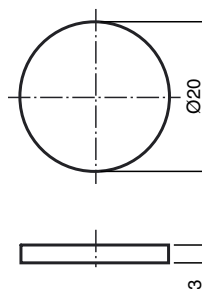
IPC03-20P

Data carrier

Features

- Battery-free data carrier
- 32 bit fixcode
- 928 bits computer memory available
- Readable and writable from both sides
- Potted housing
- Protection degree IP67 / IP68 / IP69K

Dimensions



Technical data

General specifications

Operating frequency	125 kHz
Transfer rate	2 kBit/s

Memory

Chip Type	EM4450 Titan (EM Microelectronic)
Type/Size	EEPROM 928 Bit ROM 32 Bit
Read cycles	unlimited
Write cycles	> 100000
Data retention period	10 years at 55 °C (131 °F)

Ambient conditions

Ambient temperature	-20 ... 85 °C (-4 ... 185 °F)
Storage temperature	-20 ... 85 °C (-4 ... 185 °F)

Mechanical specifications

Protection degree	IP68 / IP69K
Material	
Housing	PC (Polycarbonate)
Encapsulation compound	Epoxy

Compliance with standards and directives

Standard conformity	
Protection degree	EN 60529

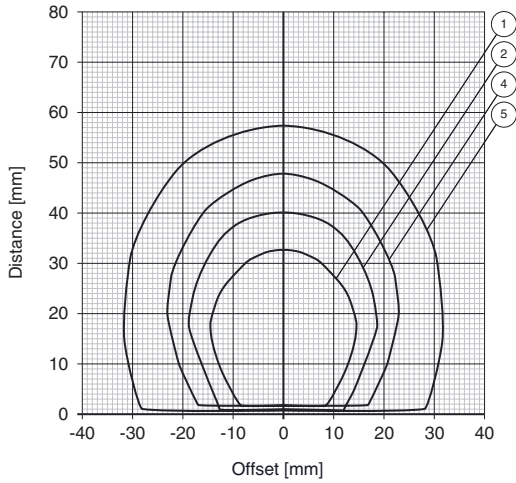
Notes

The transponder can be read and written from either side.

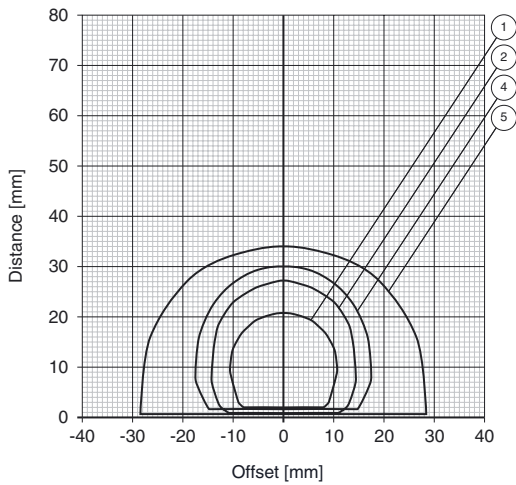
Read/write distances

- ① IPH-18GM-V1 ③ IPH-F61 ⑤ IPH-FP-V1 ⑦ IPT1-FP-V1
- ② IPH-30GM-V1 ④ IPH-L2-V1 ⑥ IPH-F15-V1

Reading range in air IPC03-20..



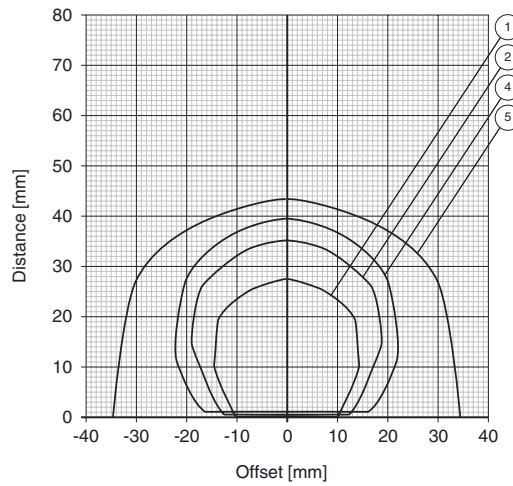
Writing range in air IPC03-20..



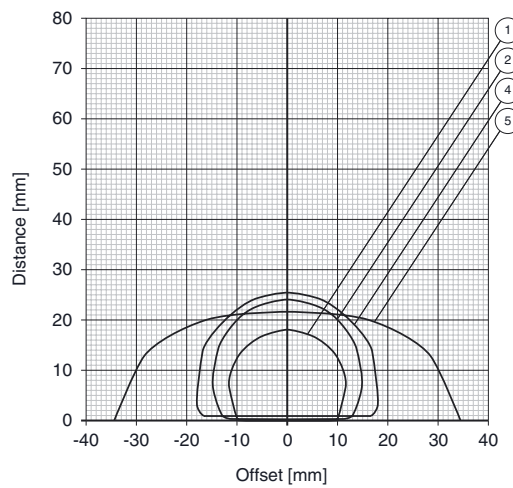
Release date: 2011-07-19 10:01 Date of issue: 2012-02-28 199450_eng.xml



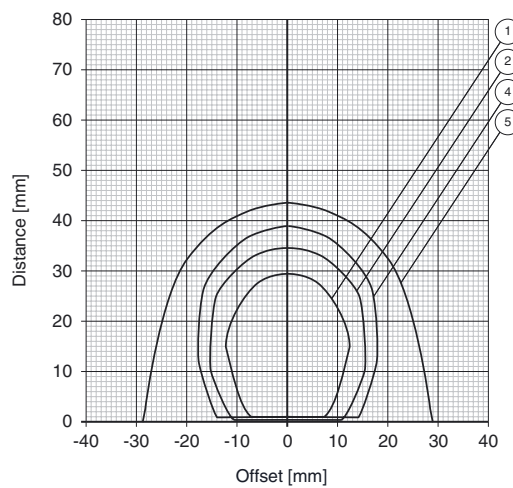
Reading range on aluminium IPC03-20..



Write distance on aluminium IPC03-20..



Reading range on steel IPC03-20..



Release date: 2011-07-19 10:01 Date of issue: 2012-02-28 199450_eng.xml

Subject to modifications without notice

Pepperl+Fuchs Group
www.pepperl-fuchs.com

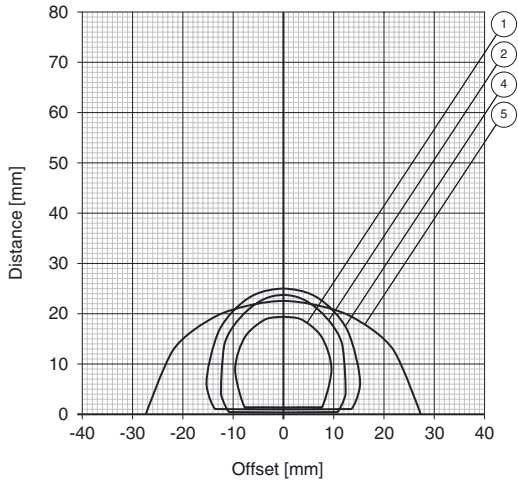
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Writing range on steel IPC03-20..



Release date: 2011-07-19 10:01 Date of issue: 2012-02-28 199450_eng.xml