



RFID Transponder

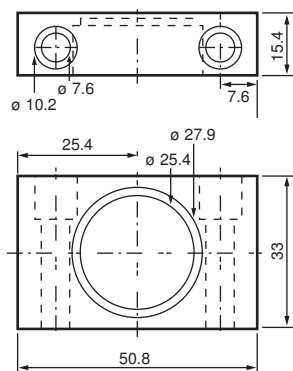
IPC03-20CT

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

Data carrier



Dimensions



Technical Data

General specifications

Operating frequency	125 kHz
Transfer rate	2 kBit/s

Functional safety related parameters

MTTF _d	3400 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Memory

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

Standard conformity

Degree of protection	EN 60529
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Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-20 ... 85 °C (-4 ... 185 °F)

Mechanical specifications

Degree of protection	IP68 / IP69K
Material	

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

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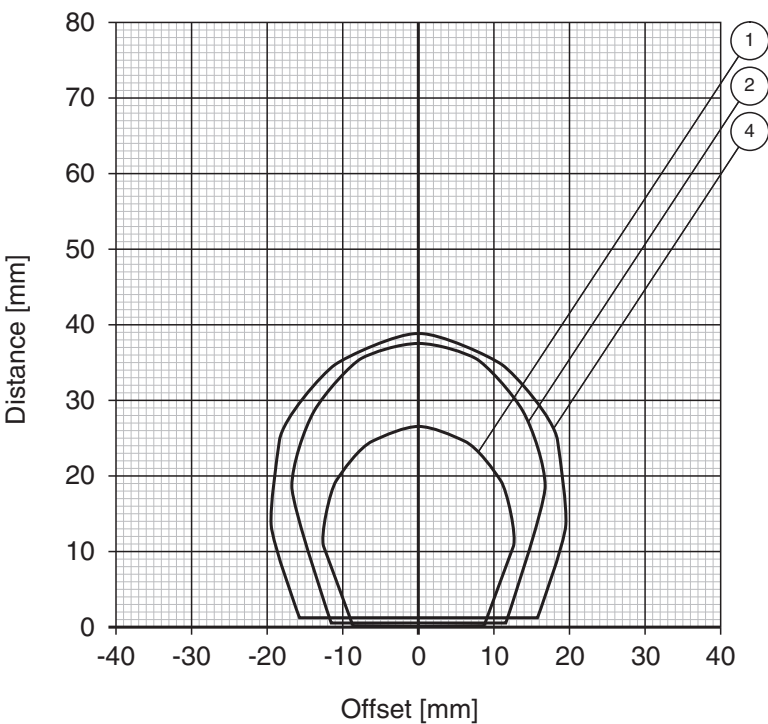
Singapore: +65 6779 9091
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Technical Data

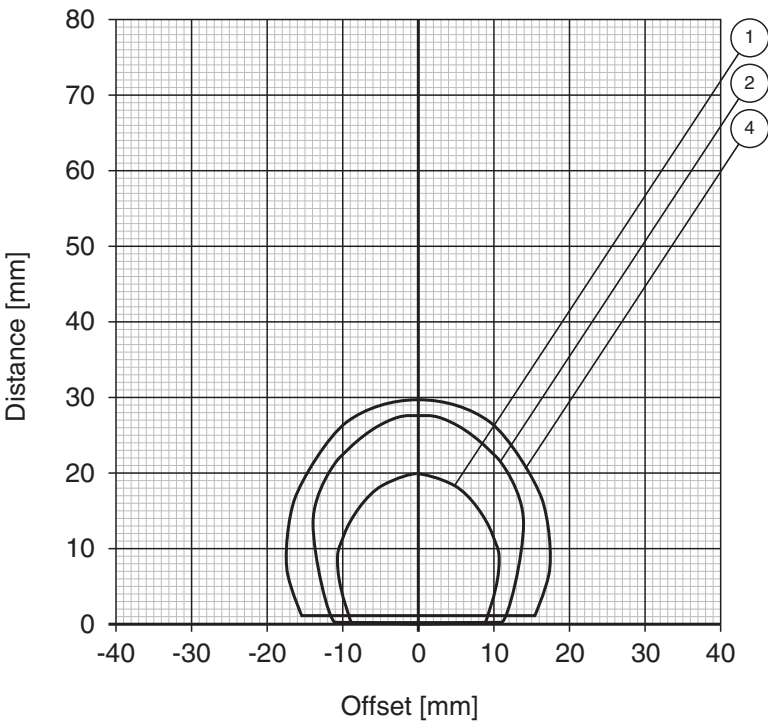
Housing	Nylotron
Encapsulation compound	Epoxy
Installation	
On metal	yes
In air	yes
Mass	31 g
Construction type	Rectangular type

Reading range in air IPC03-24



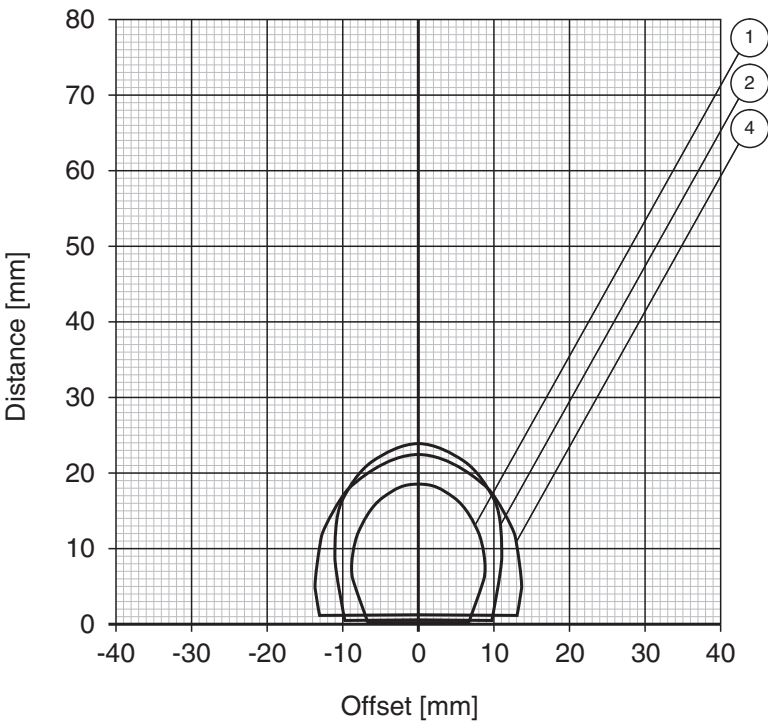
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Writing range in air IPC03-24

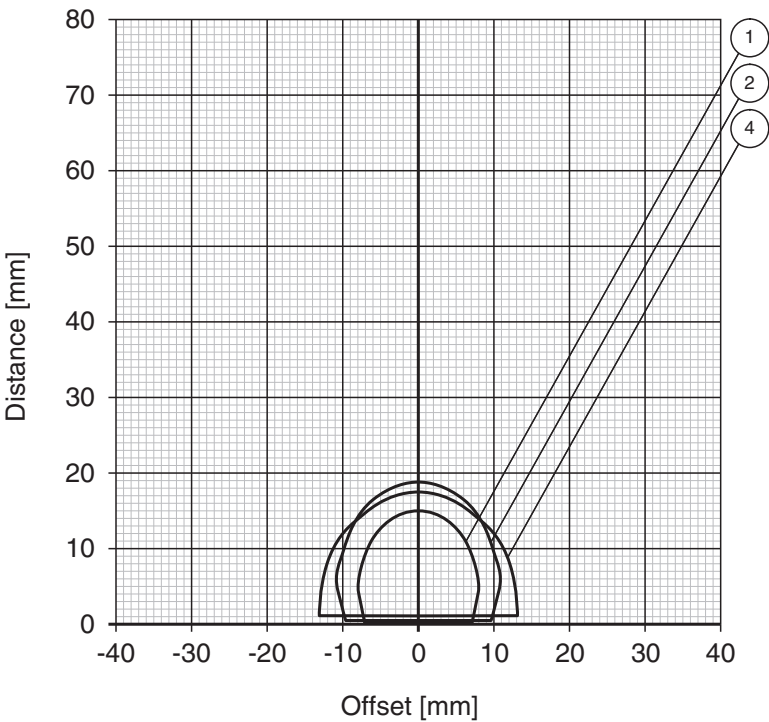


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Reading range mounted flush in aluminium IPC03-24

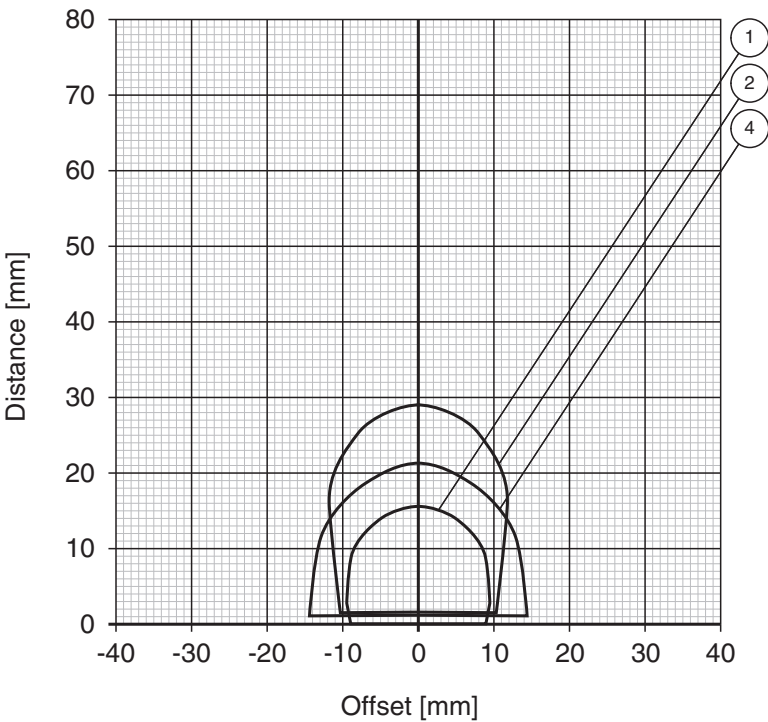


Writing range mounted flush in aluminium IPC03-24

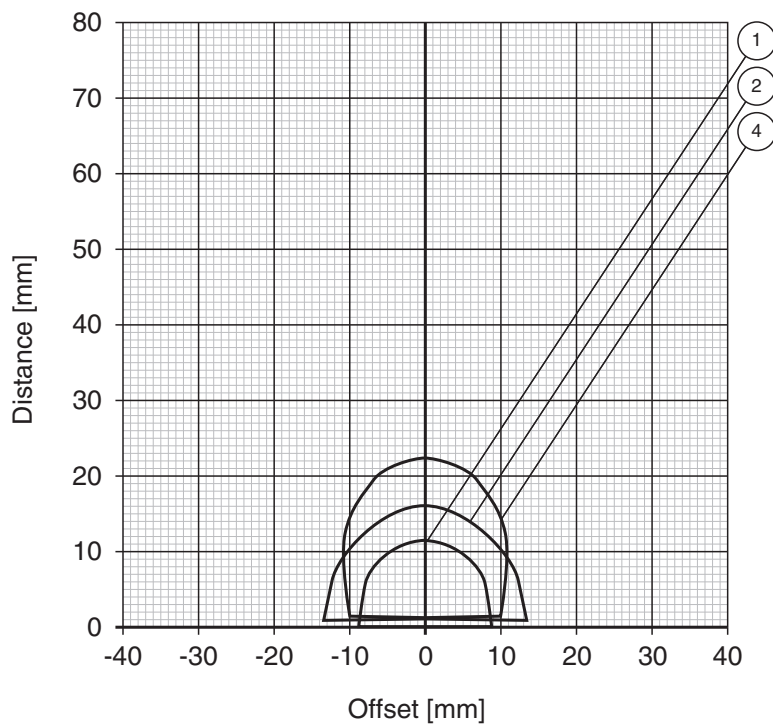


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Reading range mounted flush in steel IPC03-24



Writing range mounted flush in steel IPC03-24



- | | | | |
|---------------|-------------|--------------|--------------|
| 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 | |

Mounting

The surface containing the text must face the read/write head.

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