



### Model Number

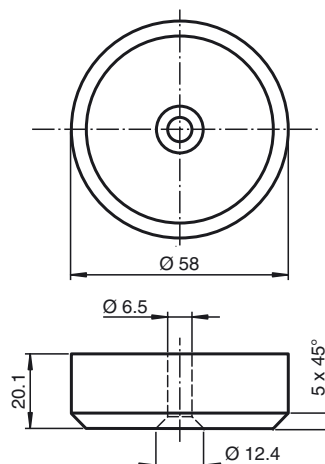
**IPC03-58**

Data carrier

### Features

- Battery-free data carrier
- 32 bit fixcode
- 928 bits computer memory available
- Protection degree IP67
- Mounting holes for simple installation
- High resistance against water, chemicals, transformer oil, petrol and heating oil

### 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	-25 ... 85 °C (-13 ... 185 °F)
Storage temperature	-25 ... 120 °C (-13 ... 248 °F)

#### Mechanical specifications

Protection degree	IP67
Material	
Housing	PA 6 (Polyamid)
Encapsulation compound	Polyurethane (PUR)

#### Compliance with standards and directives

Standard conformity	
Protection degree	EN 60529

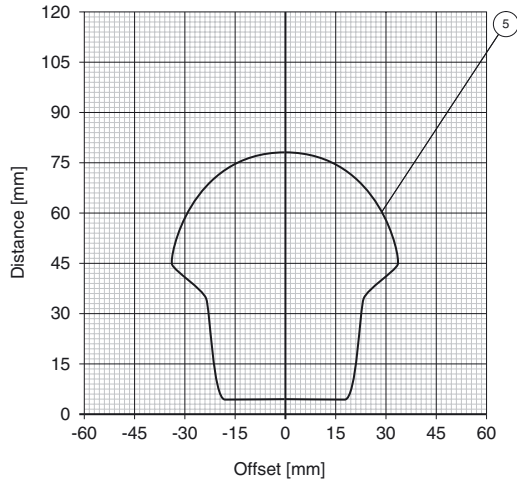
### Notes

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

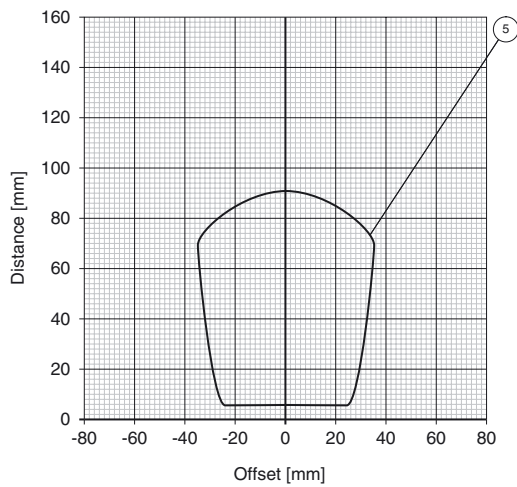
**Read/write distances**

- 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 IPC03-58

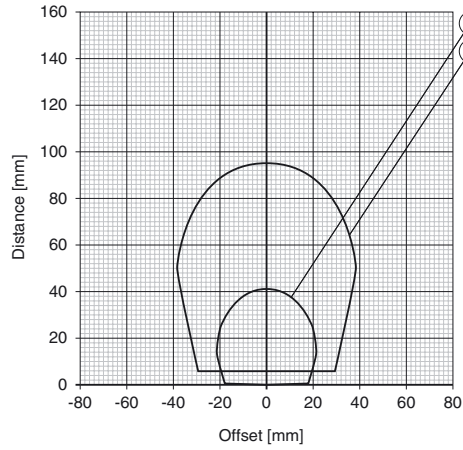


Writing range in air IPC03-58

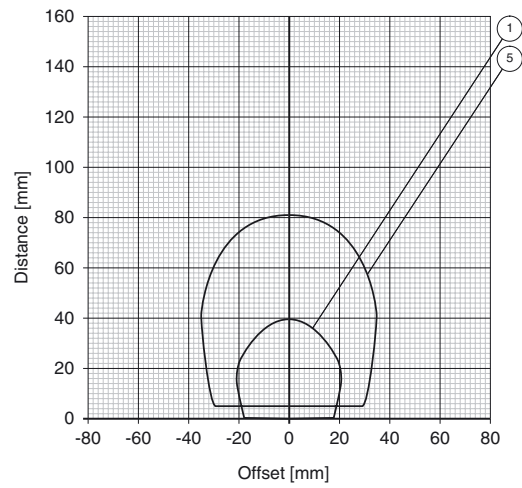


Release date: 2011-07-19 10:02 Date of issue: 2012-02-28 182162\_eng.xml

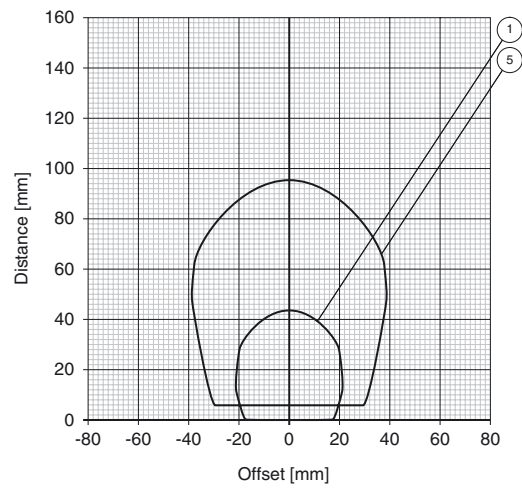
Reading range on aluminium IPC03-58



Writing range on aluminium IPC03-58

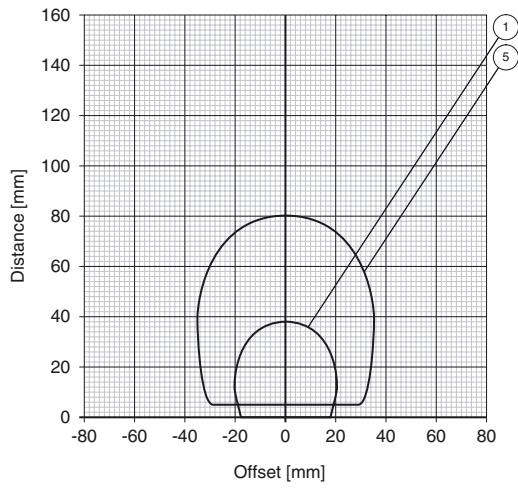


Reading range on steel IPC03-58



Release date: 2011-07-19 10:02 Date of issue: 2012-02-28 182162\_eng.xml

Writing range on steel IPC03-58



Release date: 2011-07-19 10:02 Date of issue: 2012-02-28 182162\_eng.xml