**Model Number**

IPC03-16GK

**Data carrier**

**Features**

- Battery-free data carrier
- 32 bit fixcode
- 928 bits memory available
- Flush mounting in metal
- Degree of protection IP67

**Dimensions**

**Technical data**

**General specifications**
- Operating frequency: 125 kHz
- Transfer rate: 2 kBit/s

**Functional safety related parameters**
- MTTFd: 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
- Ambient conditions
  - Ambient temperature: -25 ... 70 °C (-13 ... 158 °F)
  - Storage temperature: -40 ... 85 °C (-40 ... 185 °F)

**Mechanical specifications**
- Degree of protection: IP67
- Material
  - Housing: PBT
  - Encapsulation compound: CY 221/HY 2966

**Installation**
- In metal: yes
- On metal: yes
- In air: yes

**Mass**: 2 g

**Construction type**: Cylindrical

**Notes**

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

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

**Reading range mounted flush in aluminium IPC03-16GK**

**Writing range mounted flush in aluminium IPC03-16GK**
RFID Transponder

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

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Reading range mounted flush in steel IPC03-16GK

Writing range mounted flush in steel IPC03-16GK