



### Model Number

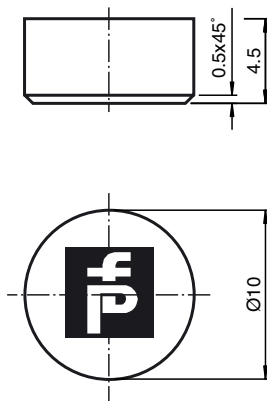
**IDC-10-1K**

Data carrier

### Features

- Battery-free data carrier
- 1 kBit memory
- Readable and writable from the printed side
- Embeddable mountable in metal
- Protection degree IP67
- Dimensions correspond to DIN 69873 for tool identification

### Dimensions



### Technical data

#### General specifications

Operating frequency	250 kHz
Transfer rate	7.8 kBit/s

#### Memory

Chip Type	P+F
Type/Size	EEPROM 1 kBit
Read cycles	unlimited
Write cycles	> 500000
Data retention period	110 years at 25 °C , 18 years at 50 °C

#### Ambient conditions

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Storage temperature	-40 ... 85 °C (233 ... 358 K)

#### Mechanical specifications

Protection degree	IP67
Material	
Housing	PBT
Encapsulation compound	CY 221/HY 2966

#### Compliance with standards and directives

Standard conformity	
Protection degree	EN 60529

### Notes

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