



### Model Number

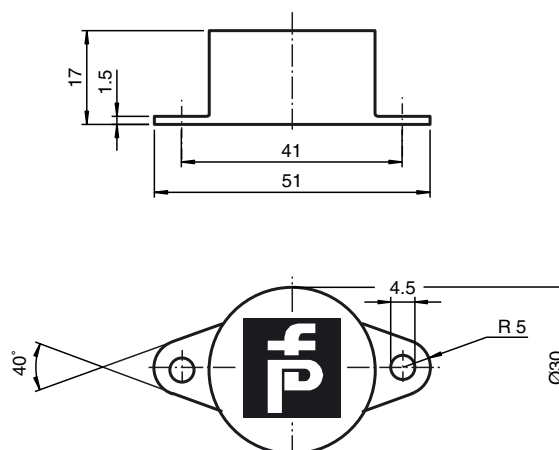
**IDC-30-EXIA-1K**

Data carrier for hazardous area

### Features

- Battery-free data carrier for use in hazardous areas
- 1 kBit memory
- Readable and writeable from the printed side
- Embeddable mountable in metal
- Protection degree IP67
- Intrinsically safe
- Certificate of conformity

### Dimensions



### Technical data

#### General specifications

Operating frequency	250 kHz
Transfer rate	7.8 kBit/s

#### Memory

Type/Size	EEPROM 1 kBit
Read cycles	unlimited
Write cycles	> 500000
Data retention period	110 years at 25 °C , 10 years at 50 °C

#### Ambient conditions

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

#### Mechanical specifications

Protection degree	IP67 according to EN 60529
Material	
Housing	PBT
Encapsulation compound	CY 221/HY 2966

### Operating instructions for use in hazardous areas

#### Installation, commissioning

This product, which is categorised as intrinsically-safe, has been developed and approved for use in hazardous areas in accordance with EN 50014 and EN 50020.

The prototype test certificate and the national regulations relating to the installation of such equipment must be complied with.

Appropriate associated apparatus can be found in the Sensor Systems 1/Identification Systems catalogue from Pepperl+Fuchs GmbH.

The device must be protected from strong electromagnetic fields and mechanical damage.

#### Maintenance and repairs

Devices, which are operated in hazardous areas, must not be modified in any way. It is not possible to carry out repairs on these devices.