



Model Number

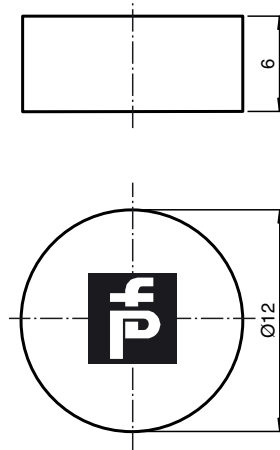
IDC-12-1K-ICC-Y913568

Data carrier

Features

- Battery-free data carrier
- 1 kBit memory
- Readable and writable from the printed side
- Embeddable mountable in metal
- Protection degree IP67
- Preprogrammed with unique numbers to emulate ICC tags

Dimensions



Technical data

General specifications

Operating frequency	250 kHz
Transfer rate	7.8 kBit/s

Memory

Chip Type	Pepperl+Fuchs
Type/Size	EEPROM 1 kBit
Read cycles	unlimited
Write cycles	> 500000
Data retention period	110 years at 25 °C (77 °F) , 18 years at 50 °C (122 °F)

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Protection degree	IP67
Material	
Housing	Epoxy moulding compound

Compliance with standards and directives

Standard conformity	
Protection degree	EN 60529

Notes

These IDC... type tags have been preprogrammed with unique numbers to emulate ICC code carriers. Because the data is stored in EEPROM memory, and not hard coded like the older ICC... tags, the data won't be permanently retained. The data retention time is a customer specific value that will depend on environmental noise, read head mounting, and ambient temperature. The data retention can be extended by reprogramming the tags using a handheld or fixed mount programmer.