Inductive data carrier IDC-50

This data carrier is cylindrical and has a diameter of 50 mm.

Static read-write distance (mm) without offset at 25 °C:

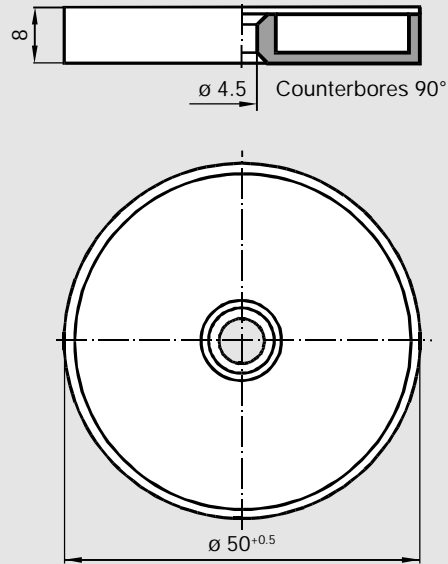| Read data carrier	In air	In steel
IVH-18GM-V1	1.0 ... 40.0	2.0 ... 35.5
IVH-30GM-V1	0.5 ... 50.0	1.0 ... 45.0
IVH-M1K	0.7 ... 54.0	0.7 ... 44.0
IVH-FP1	7.5 ... 83.0	7.5 ... 64.0

Write data carrier	In air	In steel
IVH-18GM-V1	1.0 ... 24.0	2.7 ... 22.0
IVH-30GM-V1	0.8 ... 34.5	1.0 ... 32.0
IVH-M1K	0.7 ... 34.0	0.7 ... 29.0
IVH-FP1	7.5 ... 55.0	7.7 ... 40.0

Features:
Memory:	EEPROM 256 bit
Read cycles:	Unlimited
Write cycles:	$>10^4$
Operating temperature:	248 Kelvin ... 343 Kelvin (-25 °C...+70 °C)
Storage temperature:	233 Kelvin ... 343 Kelvin (-40 °C...+70 °C)
Material:	PBT (Polybutylenterephthalate)
Protection class to DIN 40050:	IP 67

No provision is made for installation in metal. When mounting on a metallic surface, a distance of at least 10 mm should be maintained between the data carrier and the surface.
The read/write intervals of the data overview only obtained by using an 8 mm thick plastic spacer.

ø 4.5   Counterbores 90°

ø 50$^{+0.5}$

Inductive data carrier IDC-50F

This data carrier is built on a 50 mm square base.

Static read-write distance (mm) without offset at 25 °C:

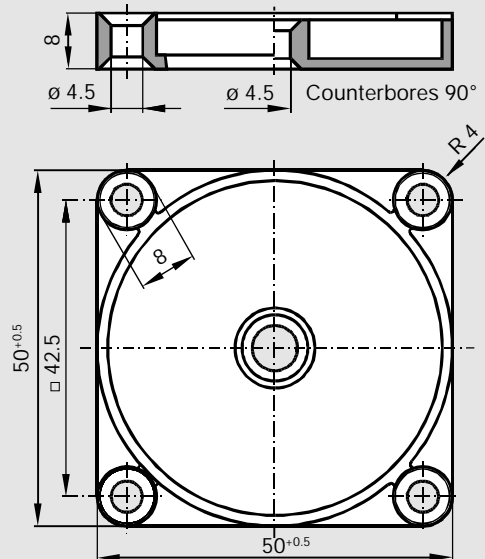| Read data carrier	In air	In steel
IVH-18GM-V1	1.0 ... 40.0	2.0 ... 35.5
IVH-30GM-V1	0.5 ... 50.0	1.0 ... 45.0
IVH-M1K	0.7 ... 54.0	0.7 ... 44.0
IVH-FP1	7.5 ... 83.0	7.5 ... 64.0

Write data carrier	In air	In steel
IVH-18GM-V1	1.0 ... 24.0	2.7 ... 22.0
IVH-30GM-V1	0.8 ... 34.5	1.0 ... 32.0
IVH-M1K	0.7 ... 34.0	0.7 ... 29.0
IVH-FP1	7.5 ... 55.0	7.7 ... 40.0

Features:
Memory:	EEPROM 256 bit
Read cycles:	Unlimited
Write cycles:	$>10^4$
Operating temperature:	248 Kelvin ... 343 Kelvin (-25 °C...+70 °C)
Storage temperature:	233 Kelvin ... 343 Kelvin (-40 °C...+70 °C)
Material:	PBT (Polybutylenterephthalate)
Protection class to DIN 40050:	IP 67

No provision is made for installation in metal. When mounting on a metallic surface, a distance of at least 10 mm should be maintained between the data carrier and the surface.
The read/write intervals of the data overview only obtained by using an 8 mm thick plastic spacer.

ø 4.5   ø 4.5   Counterbores 90°

R 4

50$^{+0.5}$ 42.5

50$^{+0.5}$

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