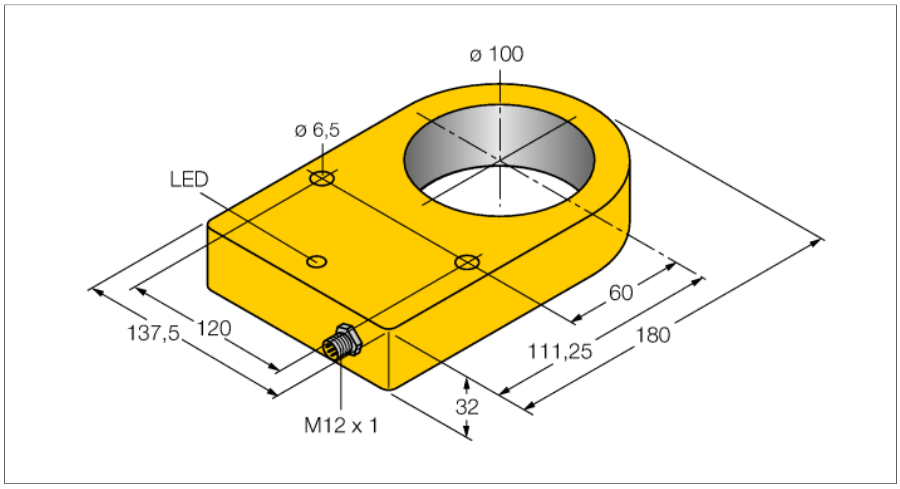
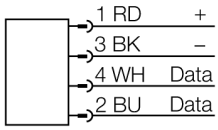
Customised read/write head
TN-S32XL-H1147

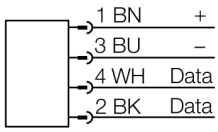


- **Rectangular, height 32 mm**
- **Plastic, ABS**
- **Powered and operated only via BL ident interface module**
- **Male M12 x 1, only for use with BL ident extension cable**

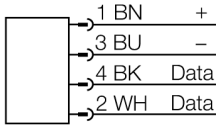
Connectors …/S2503



Connectors …/S2500



Connectors …/S2501



Type code	TN-S32XL-H1147
Ident no.	7030008
Mounting conditions	non-flush
Ambient temperature	-25…+70 °C
Data transfer	inductive coupling
Operating frequency	13.56 MHz
Radio communication and protocol standards	ISO 15693
Read/write distance max.	180 mm
Output function	4-wire, read/write
Inside ring diameter D	100 mm
Construction	S32XL
Dimensions	180x 137.5x 32mm
Housing material	plastic, POM, yellow
Material active area	POM, yellow
Connection	male, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
IP Rating	IP67
MTTF	248 years acc. to SN 29500 (Ed. 99) 40 °C
Power-on indication	LED green
Packaged quantity	1

Functional principle

The HF read/write heads operating at a frequency of 13.56 MHz form a transmission zone the size of which (0…500 mm) varies, depending on the combination of read/write head and data carrier.

The read/write distances mentioned here only represent standard values measured under laboratory conditions.

The read/write distances of the data carriers for mounting in metal TW-R**-M(MF) were determined in metal.

Attainable distances may vary by up to 30 % due to component tolerances, mounting conditions, ambient conditions and material qualities (especially when mounted in metal)

Testing of the application under real operating conditions is therefore essential, especially with read/write on-the-fly!

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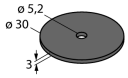
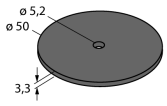
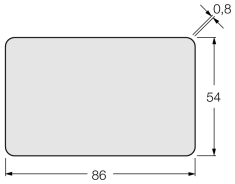
Data carrier

Dimensions	Type designation Ident - no.	Read-write distance Recommend-ed (mm)	 max. [mm]	Transfer zone length max. [mm]	 width offset max. [mm]	Minimum dis-tance between two read-write heads [mm]
	**TW-R16-B128** 6900501	20	67	125	62	420
	**TW-R20-B128** 6900502 **TW-R20-K2** 6900505	36 20	72 60	103 130	51 65	420 420
	**TW-R30-B128** 6900503 **TW-R30-K2** 6900506	30 30	80 82	120 132	60 66	420 420
	**TW-R50-B128** 6900504 **TW-R50-K2** 6900507	80 60	150 128	160 160	80 80	420 420
	**TW-L86-54-C-B128** 6900479	90	180	206	103	420

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