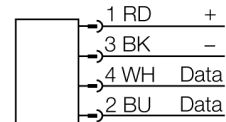
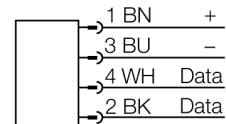


- Threaded barrel, M30 x 1.5
- Chrome-plated brass
- Powered and operated only via BL ident interface module
- Male M12 x 1, only for use with BL ident extension cable

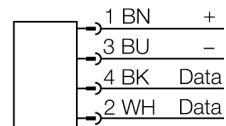
Connectors .../S2503



.../S2500 Connectors



.../S2501 Connectors



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.

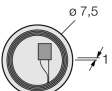
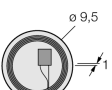
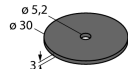
The read/write distances of the data carriers for mounting in metal TW-R**-M(MF) were determined in metal.

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

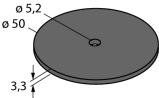
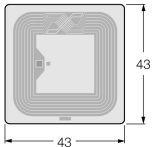
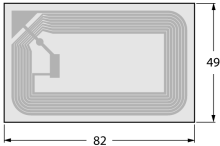
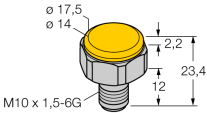
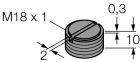
Testing of the application under real operating conditions is therefore essential, especially with read/write on-the-fly!

Type designation	TB-M30-H1147
Ident no.	7030003
Mounting conditions	flush
Ambient temperature	-25...+70 °C
Operating voltage	10... 30VDC
DC rated operational current	≤ 80 mA
Data transfer	inductive coupling
Operating frequency	13.56 MHz
Radio communication and protocol standards	ISO 15693
Read/write distance max.	45 mm
Output function	4-wire, read/write
Construction	Threaded barrel, M30 x 1.5
Dimensions	62 mm
Housing diameter	30 mm
Housing material	Metal, CuZn, chrome-plated
Active area material	Plastic, PA12-GF30
Electrical connection	Flange connector, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
MTTF	391 years acc. to SN 29500 (Ed. 99) 20 °C
Power-on indication	LED green
Packaged quantity	1

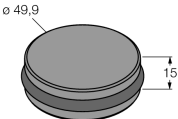
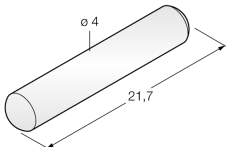
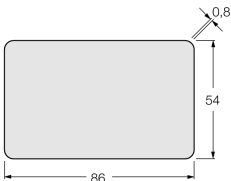
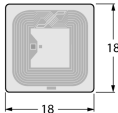
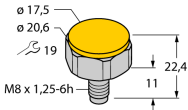
Data carrier

Dimensions	Type designation	Read-write distance		Transfer zone		Minimum distance between two read-write heads
	Ident - no.	Recommend- ed (mm)	max. [mm]	length max. [mm]	width offset max. [mm]	[mm]
	TW-R7.5-B128 7030231	8	18	20	10	90
	TW-R9.5-B128 7030252	9	20	22	11	90
	TW-R9.5-K2 7030558	9	20	22	11	90
	TW-R16-B128 6900501	12	23	20	10	90
	TW-R20-B128 6900502	15	27	20	10	90
	TW-R20-K2 6900505	15	22	20	10	90
	TW-R30-B128 6900503	13	30	32	16	90
	TW-R30-K2 6900506	15	27	32	16	90

Data carrier

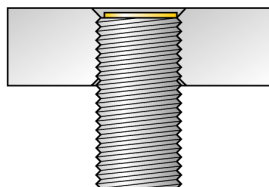
Dimensions	Type designation	Read-write distance		Transfer zone		Minimum distance between two read-write heads
	Ident - no.	Recommend- ed (mm)	max. [mm]	length max. [mm]	width offset max. [mm]	[mm]
	TW-R50-B128 6900504	20	43	46	23	90
	TW-R50-K2 6900507	15	33	36	18	90
	TW-L49-46-F-B128 7030390	21	35	37	18	90
	TW-L80-50-P-B128 7030389	17	36	64	32	90
	TW-BS10X1.5-19-K2 6901380	6	15	21	10	90
	TW-BD10X1.5-19-K2 6901381	10	20	22	11	90
	TW-SPP18X1-B128 6901062	10	17	26	13	90

Data carrier

Dimensions	Type designation	Read-write distance		Transfer zone		Minimum distance between two read-write heads
	Ident - no.	Recommend- ed (mm)	max. [mm]	length max. [mm]	width offset max. [mm]	[mm]
	TW-R50-M-B128 7030209	15	27	22	11	90
	TW-R50-M-K2 7030229	10	21	26	13	90
	TW-R4-22-B128 7030237	5	16	22	11	90
	TW-L86-54-C-B128 6900479	20	45	80	40	90
	TW-L18-18-F-B128 7030634	16	29	16	8	90
	TW-BS8x1.25-19-K2 7030638	6	15	21	10	90

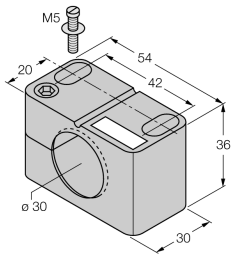
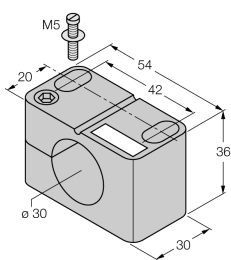
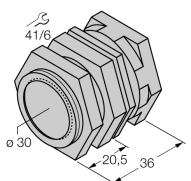
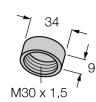
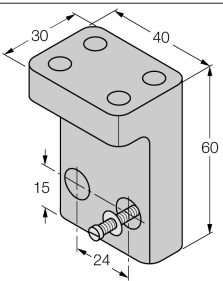
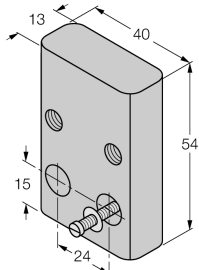
Mounting instructions

Diameter of the active area B	Ø 30
Width of the active face B	30

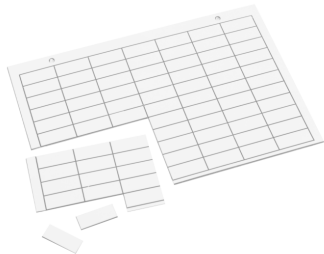
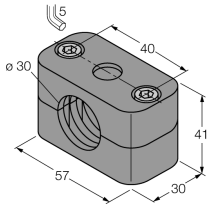
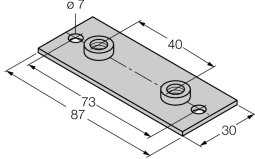
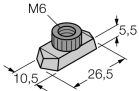


flush mounting

Accessories

Type code	Ident no.	Description	
BST-30B	6947216	Fixing clamp for threaded barrel devices, with dead-stop; material: PA6	
BST-30N	6947217	Fixing clamp for threaded barrel devices, without dead-stop; material: PA6	
QM-30	6945103	Quick-mount bracket with dead-stop; material: Chrome-plated brass Male thread M36 x 1.5. Note: The switching distance of proximity switches can be reduced by the use of quick-mount brackets.	
SKN/M30	69664	PTFE-coated caps; for use in welding systems and grinding machinery; protection against intense sparking	
BST-UH	6947219	Base part for BST-12 and BST-18 fixing clamps	
BST-UV	6947218	Base part for BST-12 and BST-18 fixing clamps	

Accessories

Type code	Ident no.	Description	
BST-BS	6947220	Label for BST	
BSS-30	6901319	Mounting bracket for smooth and threaded barrel devices; material: Polypropylene	
BSS-SPV4	6901347	Weld-on plate for BSS mounting bracket, long	
BSS-TSM (2 pcs.)	6901323	DIN rail nut for BSS mounting bracket	
MW-30	6945005	Mounting bracket for threaded barrel devices; material: Stainless steel A2 1.4301 (AISI 304)	