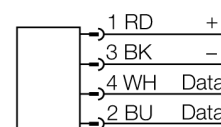
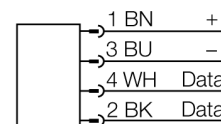


- Rectangular, height 40 mm
- Read/write head (5 positions)
- Plastic, PBT-GF30-VO
- Every read/write head can communicate with a number of different TURCK data carriers.
- Powered and operated only via BL ident interface module
- Male M12 x 1, only for use with BL ident extension cable

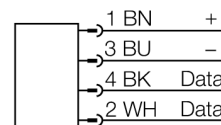
Connectors .../S2503



Connectors .../S2500



Connectors .../S2501



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.

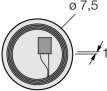
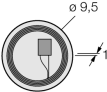


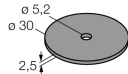
The read/write distances of the data carriers for mounting in metal TW-R**-M(MF) were determined in metal.

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

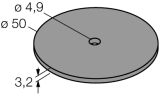
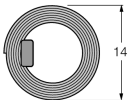
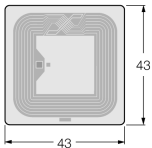
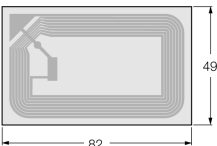
Testing of the application under real operating conditions is therefore essential, especially with read/write on-the-fly!

Type code	TN-CK40-H1147
Ident no.	7030006
Mounting condition	non-flush, flush mountable
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.	115 mm
Output function	4-wire, read/write
Design	rectangular, CK40
Dimensions	65x 40x 40mm
Housing diameter	40 mm
Housing material	Plastic, PBT, black
Material active face	Plastic, PA, yellow
Connection	male, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
MTTF	248 years acc. to SN 29500 (Ed. 99) 40 °C
Operating voltage	LED green
Included in scope of supply	BS4-CK40

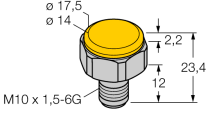
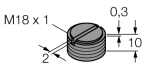
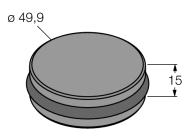
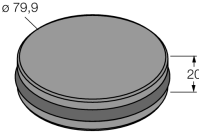
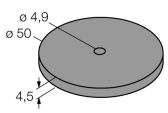
Data carrier

Dimensions	Type designation Ident - no.	Read-write distance		Transfer zone		Minimum distance between two read-write heads [mm]
		Recommend- ed (mm)	max. [mm]	length max. [mm]	width offset max. [mm]	
	TW-R7.5-B128 7030231	13	30	42	21	120
	TW-R9.5-B128 7030252	14	33	46	23	120
	TW-R16-B128 6900501	28	50	54	27	120
	TW-R20-B128 6900502	30	50	50	25	120
	TW-R20-K2 6900505	22	40	36	18	120
	TW-R30-B128 6900503	30	53	62	31	120
	TW-R30-K2 6900506	30	55	56	28	120

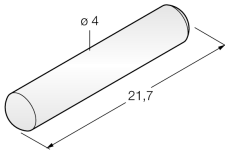
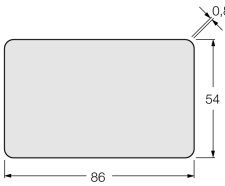
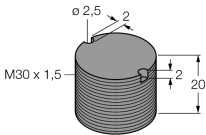
Data carrier

Dimensions	Type designation Ident - no.	Read-write distance		Transfer zone		Minimum distance between two read-write heads [mm]
		Recommend- ed (mm)	max. [mm]	length max. [mm]	width offset max. [mm]	
	TW-R50-B128 6900504 TW-R50-K2 6900507	45 38	85 81	96 82	48 41	120 120
	TW-R50-90-HT-B128 1542326 TW-R50-90-HT-K2 1542329	15 8	55 51	96 82	48 41	120 120
	TW-I14-B128 6900526	28	50	54	27	120
	TW-L49-46-F-B128 7030390	42	76	80	40	120
	TW-L80-50-P-B128 7030389	42	81	93	46	120

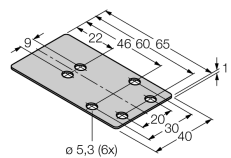
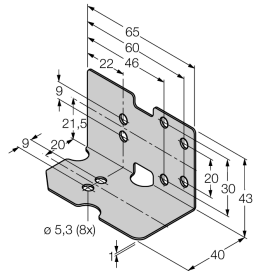
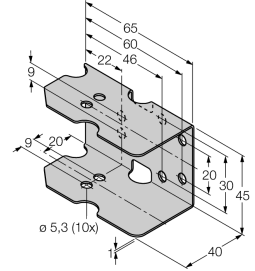
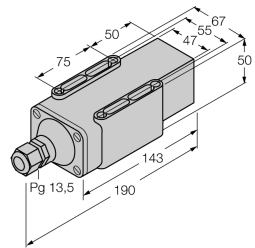
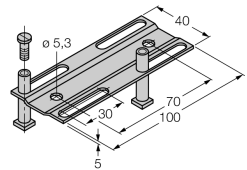
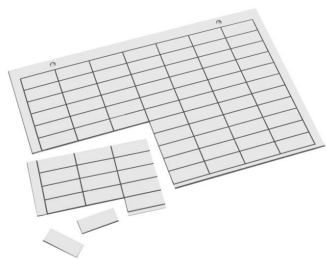
Data carrier

Dimensions	Type designation Ident - no.	Read-write distance		Transfer zone		Minimum distance between two read-write heads [mm]
		Recommend- ed (mm)	max. [mm]	length max. [mm]	width offset max. [mm]	
	TW-BS10X1.5-19-K2 6901380	6	18	34	17	120
	TW-BD10X1.5-19-K2 6901381	20	39	44	22	120
	TW-SPP18X1-B128 6901062	15	34	46	23	120
	TW-R50-M-B128 7030209	23	46	48	24	120
	TW-R50-M-K2 7030229	15	37	46	23	120
	TW-R80-M-B128 7030207	25	53	68	34	120
	TW-R80-M-K2 7030205	15	47	54	27	120
	TW-R50-MF-K2 7030232	15	33	50	25	120

Data carrier

Dimensions	Type designation Ident - no.	Read-write distance		Transfer zone		Minimum distance between two read-write heads [mm]
		Recommend- ed (mm)	max. [mm]	length max. [mm]	width offset max. [mm]	
	TW-R4-22-B128 7030237	20	40	50	25	120
	TW-L86-54-C-B128 6900479	60	115	132	66	120
	TW-M30X1.5-20-B128 7030318	28	50	50	25	120

Accessories

Type code	Ident no.	Description	Dimension drawing
MF-CK40-1S	6900481	Protective frame (one side) rectangular CK40	
MF-CK40-2S	6900482	Protective frame (angle) for rectangular CK40	
MF-CK40-3S	6900483	Protective frame (U profile) CK40	
SG40	69500	Protective housing; housing material: PA (per UL94/V-2); cover: PBT-GF30; for harsh environments; protection degree IP68, 5 m w.g.	
Adjusting bar JS 025/037	69429	Adjusting bar for rectangular housings CK/CP40; material: VA 1.4301	
T-CK40-T-FC	6900146		
BST-BS	6947220	Label for BST	

Accessories

Type code	Ident no.	Description	Dimension drawing
BSS-CP40	6901318	Mounting bracket for rectangular devices; material: Polypropylene	
BSS-SPV5	6901324	Weld-on plate for BSS mounting bracket, long	
BSS-TSM (2 pcs.)	6901323	DIN rail nut for BSS mounting bracket	