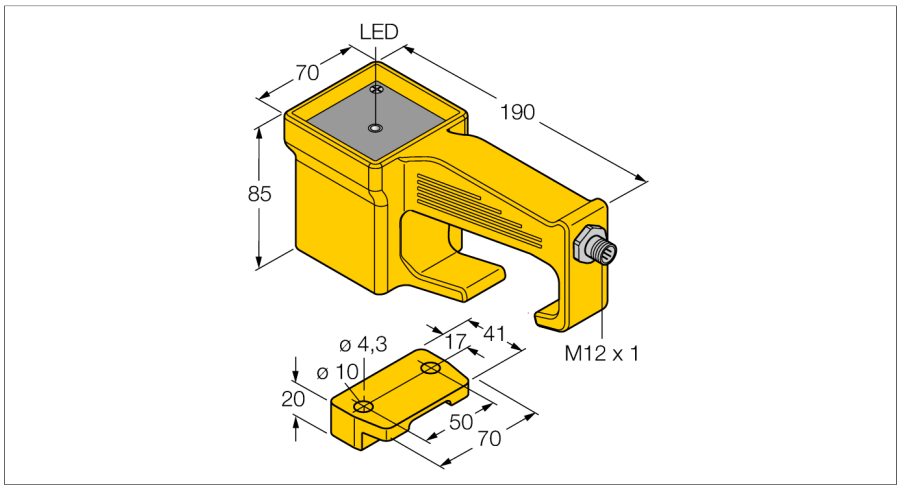
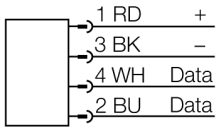
BL ident®

Read/write Head
HT-IDENT-H1147

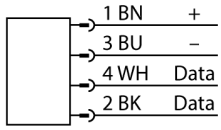


Type designation	HT-IDENT-H1147
Ident-No.	7030236
Remark to product	Flexible use
Electrical data	
Operating voltage	10…30 VDC
DC rated operational current	≤ 80 mA
inrush current	1000 mA For: 1 ms
Data transfer	Inductive coupling
Technology	HF (13.56 MHz)
Operating frequency	13.56 MHz
Radio communication and protocol standards	ISO 15693
Read/Write distance max.	115 mm
Output function	4-wire, Read/Write
Interface	Connection only via Turck system components
Mechanical data	
Mounting conditions	Non-flush
Ambient temperature	-25…+70 °C
Design	Grip
Dimensions	190x 70x 85mm
Housing material	Yellow
Active area material	Plastic, yellow
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
Electrical connection	Connector, M12 × 1
MTTF	248 years acc. to SN 29500 (Ed. 99) 40 °C
Power-on indication	LED,Green
Packaging unit	1

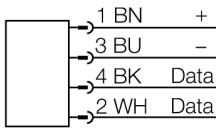
…/S2503 Connectors



Connector …/S2500



Connector …/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!

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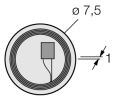
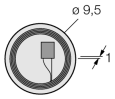
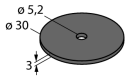
Data carrier

Dimensions	Type designation Ident - no.	Read-write distance Recommended (mm)	 max. [mm]	Transfer zone length max. [mm]	 width offset max. [mm]	Minimum distance between two read-write heads [mm]
	**TW-R7.5-B128** 7030231	13	30	42	21	120
	**TW-R9.5-B128** 7030252 **TW-R9.5-K2** 7030558	14 18	33 38	46 42	23 21	120 120
	**TW-R16-B128** 6900501	28	50	54	27	120
	**TW-R20-B128** 6900502 **TW-R20-K2** 6900505	30 22	50 40	50 36	25 18	120 120
	**TW-R30-B128** 6900503 **TW-R30-K2** 6900506	30 30	53 55	62 56	31 28	120 120

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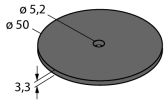
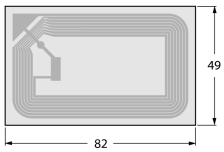
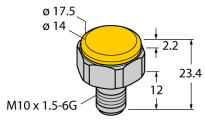
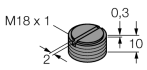
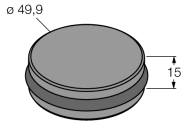
Data carrier

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-R50-B128** 6900504 **TW-R50-K2** 6900507	45 38	85 81	96 82	48 41	120 120
	**TW-L80-50-P-B128** 7030389	42	81	93	46	120
	**TW-BS10X1.5-19-K2** 6901380 **TW-BD10x1.5-19-K2** 6901381	8 20	23 39	30 44	15 22	120 120
	**TW-SPP18X1-B128** 6901062	15	34	46	23	120
	**TW-R50-M-B128** 7030209 **TW-R50-M-K2** 7030229	23 15	46 37	48 46	24 23	120 120

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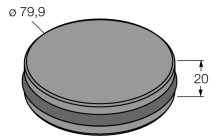
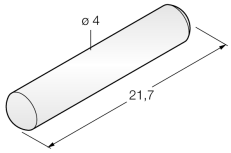
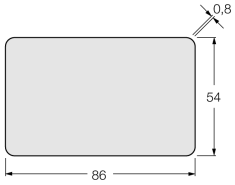
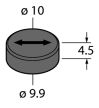
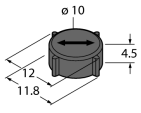
Data carrier

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-R80-M-B128** 7030207 **TW-R80-M-K2** 7030205	25 15	53 47	68 54	34 27	120 120
	**TW-R4-22-B128** 7030237	20	40	50	25	120
	**TW-L86-54-C-B128** 6900479	60	115	132	66	120
	**TW-R10-M-B146** 7030545	7	18	30	15	120
	**TW-R12-M-B146** 7030500	7	18	30	15	120

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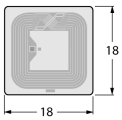
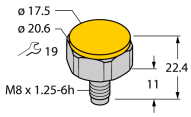
Data carrier

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-L18-18-F-B128** 7030634	29	56	52	26	120
	**TW-BS8x1.25-19-K2** 7030638	8	23	30	15	120

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