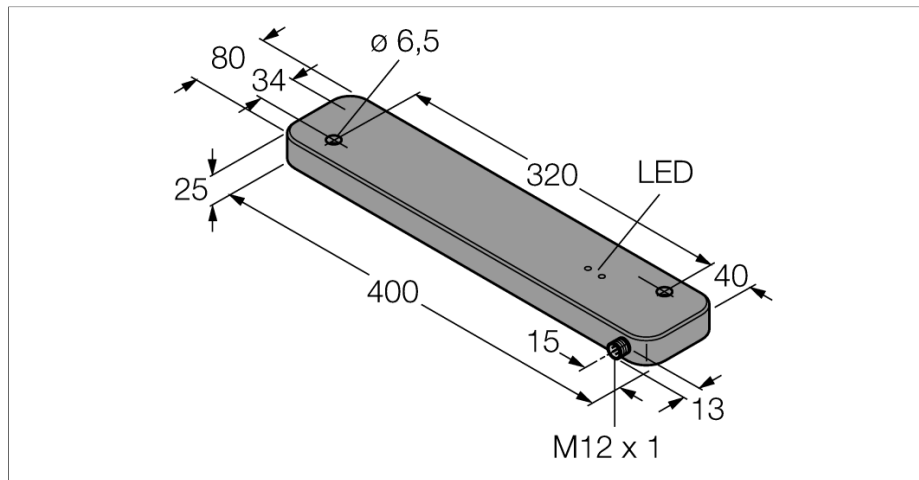
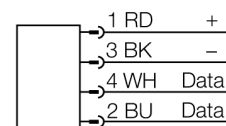


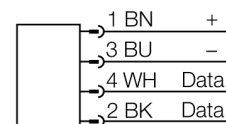


- For roller conveyors
- The approach direction of the data carrier can be both, diagonal as well as longitudinal to the read/write head.
- Rectangular, 80 x 400 mm, height 25 mm
- Active face on top
- Plastic, PBT-GF30-VO
- Every read/write head can communicate with a number of different TURCK data carriers.
- Powered and operated only via BL ident interface module
- Male M12 x 1, only for use with BL ident extension cable

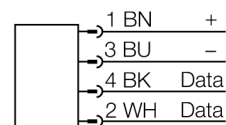
Connectors .../S2503



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.

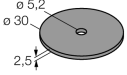
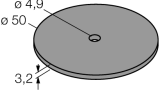
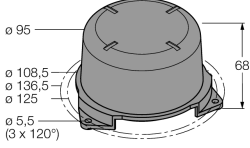
The read/write distances of the data carriers for mounting in metal TW-R**-M(MF) were determined in metal.

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

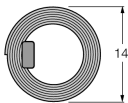
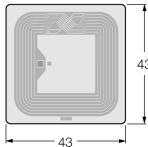
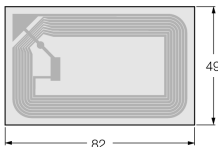
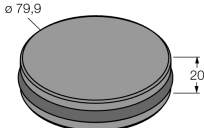
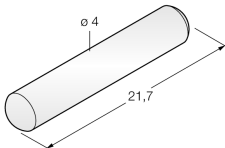
Testing of the application under real operating conditions is therefore essential, especially with read/write on-the-fly!

Type code	TNLR-Q80L400-H1147L
Ident no.	7030234
Mounting condition	non-flush, flush mountable
Ambient temperature	-25...+70 °C
Operating voltage	19.2...28.8VDC
DC rated operational current	≤ 230 mA
Data transfer	inductive coupling
Operating frequency	13.56 MHz
Radio communication and protocol standards	ISO 15693
Read/write distance max.	360 mm
Output function	4-wire, read/write
Design	rectangular
Dimensions	400x 80x 25mm
Housing material	Plastic, PBT, black
Material active face	Plastic, Black
Connection	male, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
MTTF	121 years acc. to SN 29500 (Ed. 99) 40 °C
Operating voltage	LED green

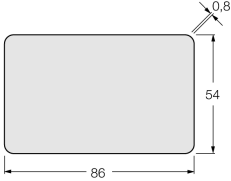
Data carrier

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-R16-B128 6900501	50	95	74	205	240
	TW-R20-B128 6900502	60	102	86	202	240
	TW-R20-K2 6900505	15	64	70	195	240
	TW-R30-B128 6900503	90	152	132	217	240
	TW-R30-K2 6900506	70	122	100	208	240
	TW-R50-B128 6900504	150	256	230	242	240
	TW-R50-K2 6900507	120	216	190	233	240
	TW-R50-90-HT-B128 1542326	120	226	230	242	240
	TW-R50-90-HT-K2 1542329	90	186	190	233	240

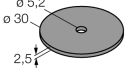
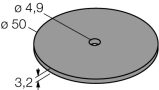
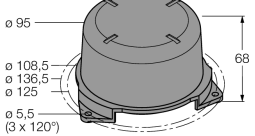
Data carrier

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-I14-B128 6900526	50	95	74	205	240
	TW-L49-46-F-B128 7030390	74	176	149	197	240
	TW-L80-50-P-B128 7030389	136	229	204	207	240
	TW-R80-M-B128 7030207	40	77	56	199	240
	TW-R80-M-K2 7030205	30	77	64	195	240
	TW-R4-22-B128 7030237	40	78	68	184	240

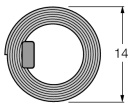
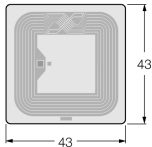
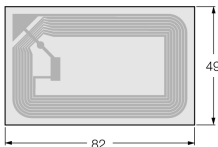
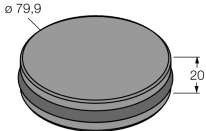
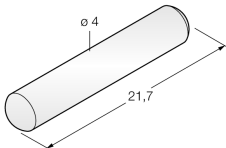
Data carrier

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-L86-54-C-B128 6900479	200	345	306	242	240

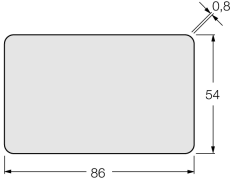
Data carrier longitudinal approach

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-R16-B128 6900501	30	95	410	37	240
	TW-R20-B128 6900502	40	102	404	43	240
	TW-R20-K2 6900505	30	64	390	35	240
	TW-R30-B128 6900503	60	152	434	66	240
	TW-R30-K2 6900506	50	122	416	50	240
	TW-R50-B128 6900504	100	256	484	115	240
	TW-R50-K2 6900507	90	216	466	95	240
	TW-R50-90-HT-B128 1542326	70	226	484	115	240
	TW-R50-90-HT-K2 1542329	60	186	466	95	240

Data carrier longitudinal approach

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-I14-B128 6900526	30	95	410	37	240
	TW-L49-46-F-B128 7030390	68	176	394	74	240
	TW-L80-50-P-B128 7030389	85	229	414	102	240
	TW-R80-M-B128 7030207	30	77	398	28	240
	TW-R80-M-K2 7030205	30	68	390	32	240
	TW-R4-22-B128 7030237	20	80	368	34	240

Data carrier longitudinal approach

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-L86-54-C-B128 6900479	120	360	484	153	240