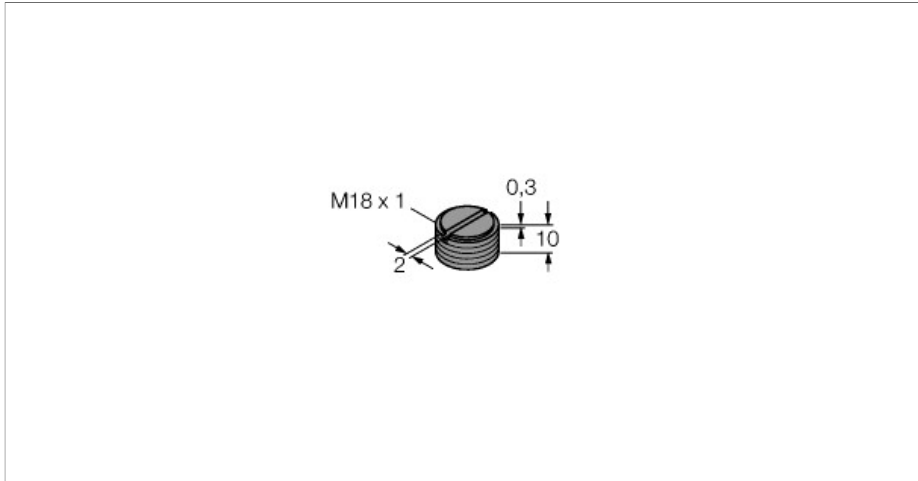


Mobile data carrier

TW-SPP18x1-B128



mobile data carrier

read/write

compatible with a series of BL ident read-write heads (see data sheet or compatibility table)

EEPROM, memory size 128 bytes

Functional principle

The HF read-write heads and the work 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.

Due to component tolerances, mounting conditions, ambient conditions and material influences (especially metal,) attainable distances can deviate by 30 %.

Therefore testing of the application under real operating conditions is indispensable (especially regarding read-write on the fly)!

Type	TW-SPP18x1-B128
Ident-No.	6901062
Data transfer	inductance coupling
Working frequency	13.56 MHz
Memory	read/write
Memory type	EEPROM
Memory size	128 Byte
Freely usable memory	112 Byte
Number of read operations	unlimited
Number of write operations	10 ⁵
Typical read time	2 ms/byte
Typical write time	3 ms/byte
Radio communication and protocol standards	ISO 15693
Minimum distance to metal	0 mm, Data carrier can be screwed in metal. The attainable read-write distances have to be determined with tests.
Storage temperature	-40...+85°C
Housing	SPP18x1
Housing material	Plastic, PP
Material active face	Plastic
Protection class	IP68
Packaged quantity	1

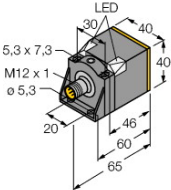
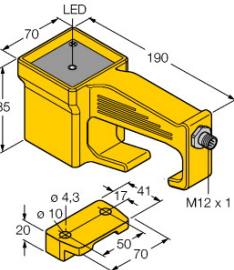
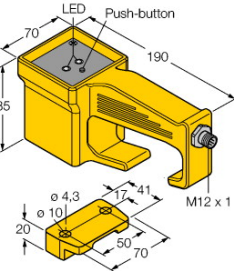
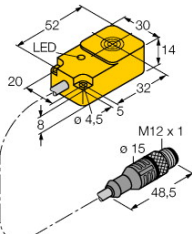
Mobile data carrier
TW-SPP18x1-B128
Read/write heads

Dimensions	Type designation	Read-write distance		Transfer zone		Minimum distance between two read-write heads [mm]
		Ident - no.	Recom- mend- ed (mm)	max. [mm]	length max. [mm]	
	TB-M18-H1147/S1126 7030212	5	11	14	7	54
	TB-EM18WD-H1147/S1126 7030228	5	11	14	7	54
	TN-M18-H1147 7030002	5	16	22	11	54
	TN-EM18WD-H1147 7030223	5	16	22	11	54
	TN-M18-H1147/S1126 7030213	5	16	22	11	54
	TN-EM18WD-H1147/S1126 7030227	5	16	22	11	54
	TB-M30-H1147 7030003	10	17	26	13	90
	TB-EM30WD-H1147 7030221	10	17	26	13	90
	TB-M30-H1147/S1126 7030214	10	17	26	13	90
	TB-EM30WD-H1147/S1126 7030225	10	17	26	13	90
	TN-M30-H1147 7030004	10	24	34	17	90
	TN-EM30WD-H1147 7030222	10	24	34	17	90
	TN-M30-H1147/S1126 7030215	10	24	34	17	90
	TN-EM30WD-H1147/S1126 7030226	10	24	34	17	90

Mobile data carrier

TW-SPP18x1-B128

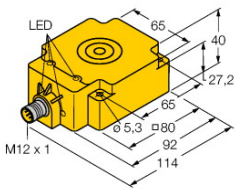
Read/write heads

Dimensions	Type designation	Read-write distance		Transfer zone		Minimum distance between two read-write heads [mm]
		Ident - no.	Recom- mend- ed (mm)	max. [mm]	length max. [mm]	
	TN-CK40-H1147 7030006	15	34	46	23	120
	TN-CK40-H1147/S1126 7030216					
	HT-IDENT-H1147 7030236	15	34	46	23	120
	HT-IDENT-H1187 7030238	15	34	46	23	120
	TN-Q14-0.15-RS4.47T 7030235	10	24	34	17	90

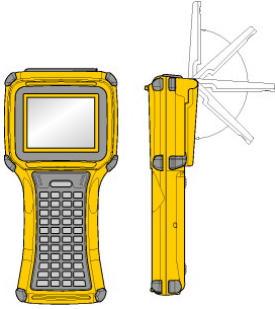
Mobile data carrier

TW-SPP18x1-B128

Read/write heads

Dimensions	Type designation	Read-write distance		Transfer zone		Minimum distance between two read-write heads [mm]
		Ident - no.	Recom- mend- ed (mm)	max. [mm]	length max. [mm]	
	TN-Q80-H1147 7030007					240
	TN-Q80-H1147/S1126 7030217	15	39	60	30	240
	TNLR-Q80-H1147 7030230	30	66	80	40	240
	TNLR-Q80-H1147/S1126 7030219	30	66	80	40	240

Mobile data carrier**TW-SPP18x1-B128****Compatible handhelds**

**PD-IDENT**

1542331

Handheld for mobile reading and writing on data carriers.

**PDA-IDENT**

1542344

The handheld can be used with two different antennas.

Internal antenna, PDA-IDENT-IA, 1542345

External antenna, PDA-IDENT-EA, 1542346
