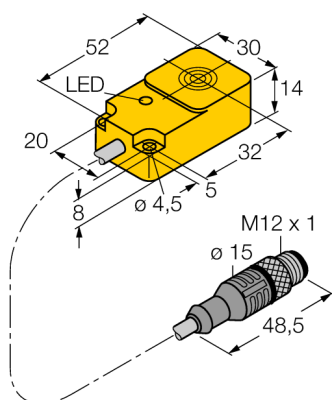
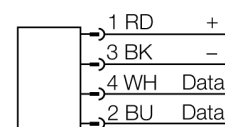


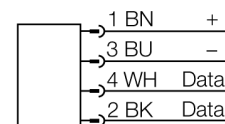


- Rectangular, height 14 mm
- Active face on top
- Plastic, PBT-GF30-VO
- Powered and operated only via BL ident interface module
- Male M12 x 1, only for use with BL ident extension cable

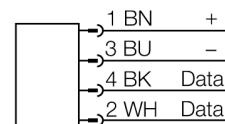
Connectors .../S2503



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.

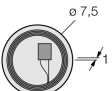
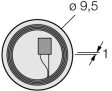
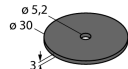
The read/write distances of the data carriers for mounting in metal TW-R**-M(MF) were determined in metal.

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

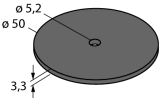
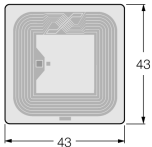
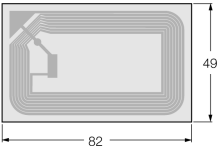
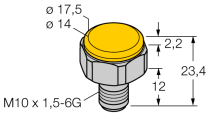
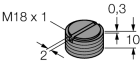
Testing of the application under real operating conditions is therefore essential, especially with read/write on-the-fly!

Type code	TN-Q14-0.15-RS4.47T
Ident no.	7030235
Mounting conditions	non-flush, flush mountable
Ambient temperature	-25...+70 °C
Operating voltage	10...30VDC
DC rated operational current	≤ 75 mA
Data transfer	inductive coupling
Operating frequency	13.56 MHz
Radio communication and protocol standards	ISO 15693
Read/write distance max.	72 mm
Output function	4-wire, read/write
Construction	rectangular, Q14
Dimensions	56x 30x 14mm
Housing material	plastic, PBT, yellow
Material active area	plastic, PBT, yellow
Connection	male, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
IP Rating	IP67
MTTF	391 years acc. to SN 29500 (Ed. 99) 40 °C
Power-on indication	LED green
Packaged quantity	1
Special features	Flat design

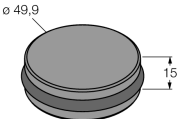
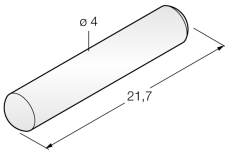
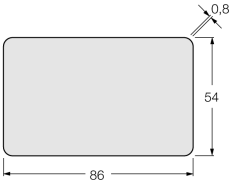
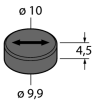
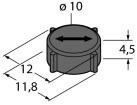
Data carrier

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	10	30	28	14	90
	TW-R9.5-B128 7030252	11	33	31	15	90
	TW-R16-B128 6900501	20	38	44	22	90
	TW-R20-B128 6900502	22	40	34	17	90
	TW-R20-K2 6900505	17	31	32	16	90
	TW-R30-B128 6900503	22	43	56	28	90
	TW-R30-K2 6900506	23	42	50	25	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	40	72	76	38	90
	TW-R50-K2 6900507	30	58	76	38	90
	TW-L49-46-F-B128 7030390	25	54	57	28	90
	TW-L80-50-P-B128 7030389	25	55	71	35	90
	TW-BS10X1.5-19-B128 6901380	5	15	21	10	90
	TW-BD10X1.5-19-B128 6901381	14	29	30	15	90
	TW-SPP18X1-B128 6901062	10	24	34	17	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	20	36	34	17	90
	TW-R50-M-K2 7030229	15	30	32	16	90
	TW-R4-22-B128 7030237	10	20	32	16	90
	TW-L86-54-C-B128 6900479	20	65	98	49	90
	TW-R10-M-B146 7030545	5	14	24	8	90
	TW-R12-M-B146 7030500	5	14	24	8	90

BL
ident

TURCK

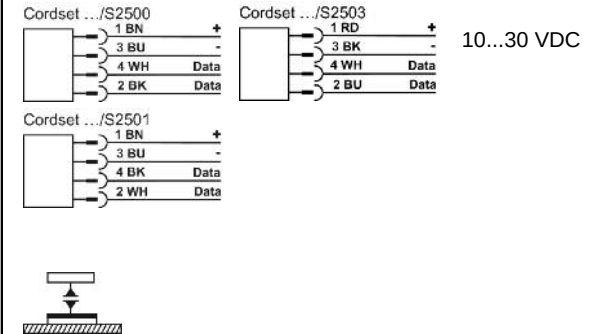
Industrial
Automation

Qty
1

Type
TN-Q14-0.15-RS4.47T

CE

Ident-No. **7030235**



1615H

Warning: Hazardous voltage can cause electrical shock and burns.
Disconnect power before proceeding with any work on this equipment.
Made in Germany
Hans Turck GmbH & Co. KG · Witzlebenstraße 7 · 45472 Mülheim/Ruhr · Germany
Phone +49 208 49 52-0 · Fax +49 208 49 52-264 · more@turck.com · www.turck.com

FCC/IC Digital Device Limitations

M/N: **TN-Q14-0.15-RS4.47T**
FCC ID: **YQ7-TNQ14**
IC: **8821A-TNQ14**

This device complies with Industry Canada licence-exempt RSS standard(s) and part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.