

Antenna ID 200/A-...



- Antenna ID 200/A-...F (Flat Antenna)
- Antenna ID 200/A-...R (Round Antenna)

Product description

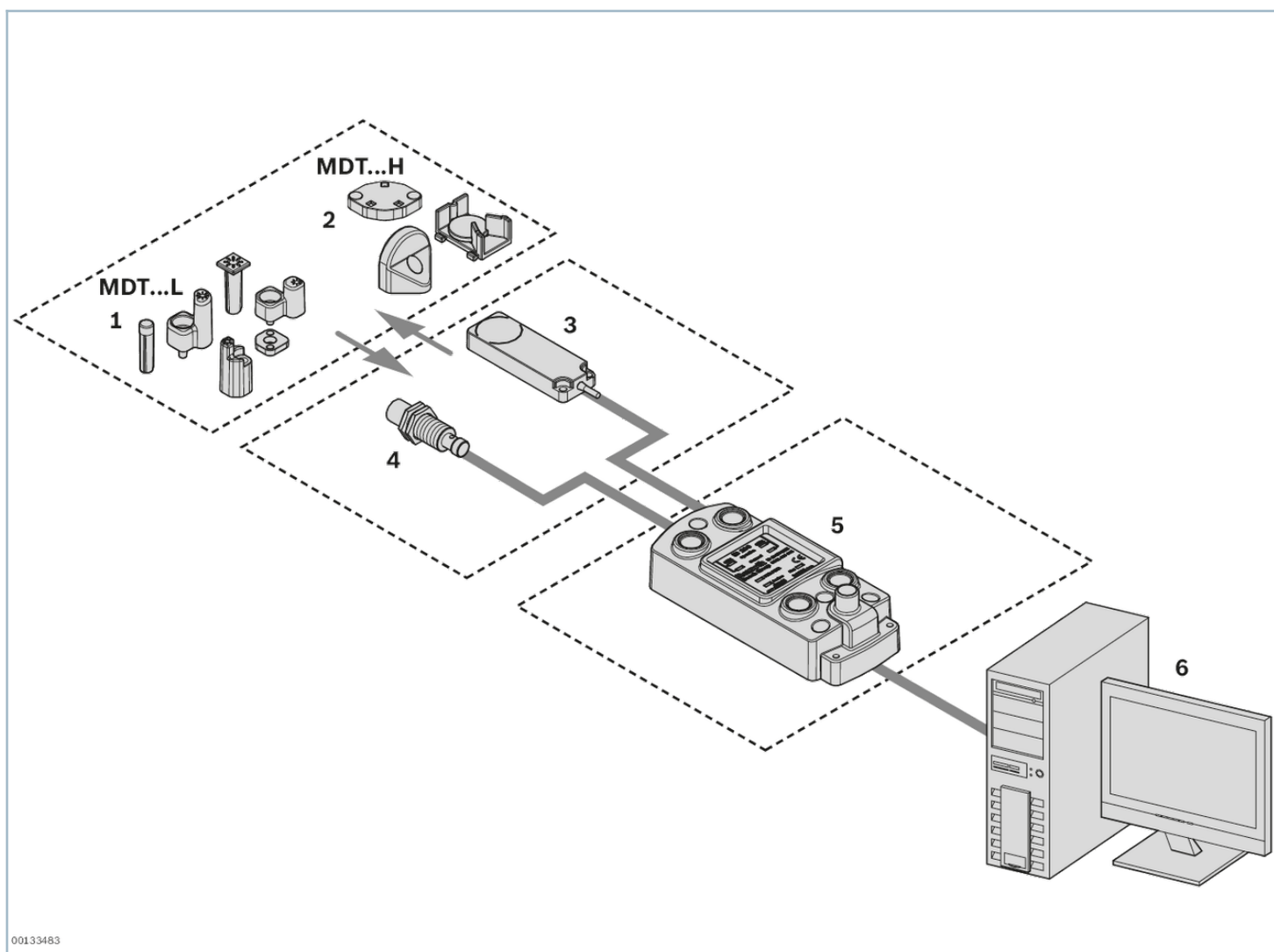
The antennas are used to read and write mobile data tags MDT...L (125 kHz, low frequency) or MDT...H (13.56 MHz, high frequency). The antennas are designed for operation on a communication module and are also powered from this module.

Antenna ID 200/A-...R (Round Antenna)

The round design of the antenna is particularly suitable for reading data tags that are mounted on the underside of the workpiece pallet. Other installation situations are possible with corresponding mounting kits.

Antenna ID 200/A-...F (Flat Antenna)

The flat design of the antenna is optimized for side mounting on transfer systems. Other installation situations are possible with corresponding mounting kits.



- 1) Mobile data tags MDT...L for 125 kHz
- 2) Mobile data tags MDT...H for 13.56 MHz
- 3) Flat antennas A...F for 125 kHz or 13.56 MHz
- 4) Round antennas A...R for 125 kHz or 13.56 MHz
- 5) Communication modules C-... for PROFIBUS or Ethernet
- 6) Control system

Technical data

	Antenna ID 200/A-HF	Antenna ID 200/A-LF	Antenna ID 200/A-HR	Antenna ID 200/A-LR
Operating voltage ¹⁾	24 V			
Protection type	IP67			
Housing material	ABS		PBT/stainless steel	
Ambient temperature	−25 ... +70 °C			
Storage temperature	−40 ... +85 °C			
Humidity	max. 96%			
Vibration resistance	1mm (10 ... 55 Hz); 5g (10 ... 2000 Hz)			
Shock and impact resistance	30 g/11 ms 18 cycles			
Mass	0.1 kg			
Transmission frequency		125 kHz		125 kHz
	13.56 MHz		13.56 MHz	
Write/read distance – static	35 mm	15 mm	35 mm	15 mm
Write/read distance – dynamic ²⁾	30 mm	12 mm	30 mm	12 mm
min. distance between two antennas – multiplex operation	100 mm	50 mm	30 mm	
min. distance between two antennas – simultaneous operation	150 mm	290 mm	80 mm	180 mm

1) Operating voltage from communication module

2) Write/read distance – dynamic: v = 20 m/min

Dimensions

[illegible][illegible]

Ordering codes

	No.
Antenna ID 200/A-HF	3842410065
Antenna ID 200/A-LF	3842410176
Antenna ID 200/A-HR	3842410063
Antenna ID 200/A-LR	3842410177