RFID system ID 200

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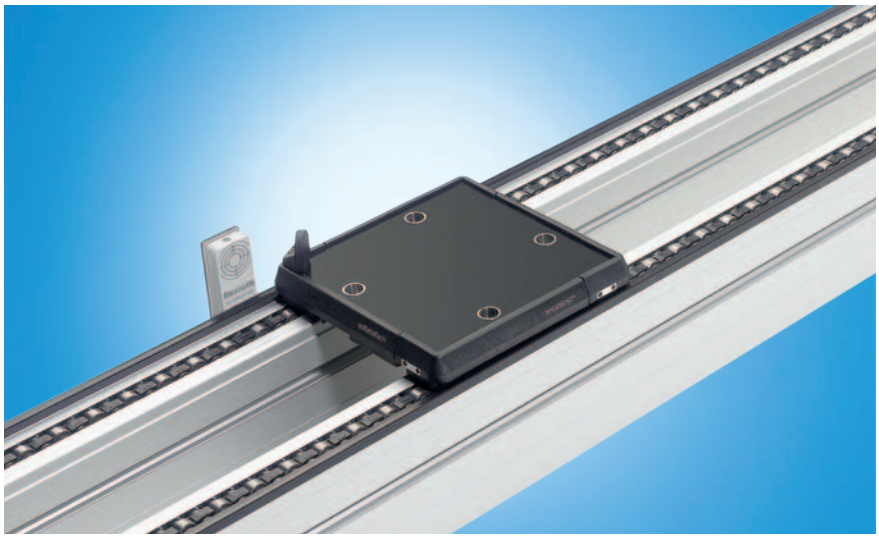
The RFID system ID 200 is a modular identification system developed for industrial use in production environments. The system consists of mobile data tags, antennas and communication modules. It is characterized by the robust and compact construction of its components, as well as by particularly interference-resistant and safe data transmission.
ID 200 is ideal for applications with central or decentralized data storage. The mobile data tags with cost-effective EEPROM memory are very small and suitable for applications with low data volume. The design with FRAM memory is able to store larger data quantities decentrally and can be read/written almost an indefinite number of times. They are preferable for applications with short transmission times. Antennas are available in various construction designs and transmission frequencies. This allows the best design to be selected for each application and installation location. The communication modules connect the antennas and the master control system. They can control up to two antennas simultaneously, even with different frequencies. The interface to the control system can be either PROFIBUS DP or Ethernet.



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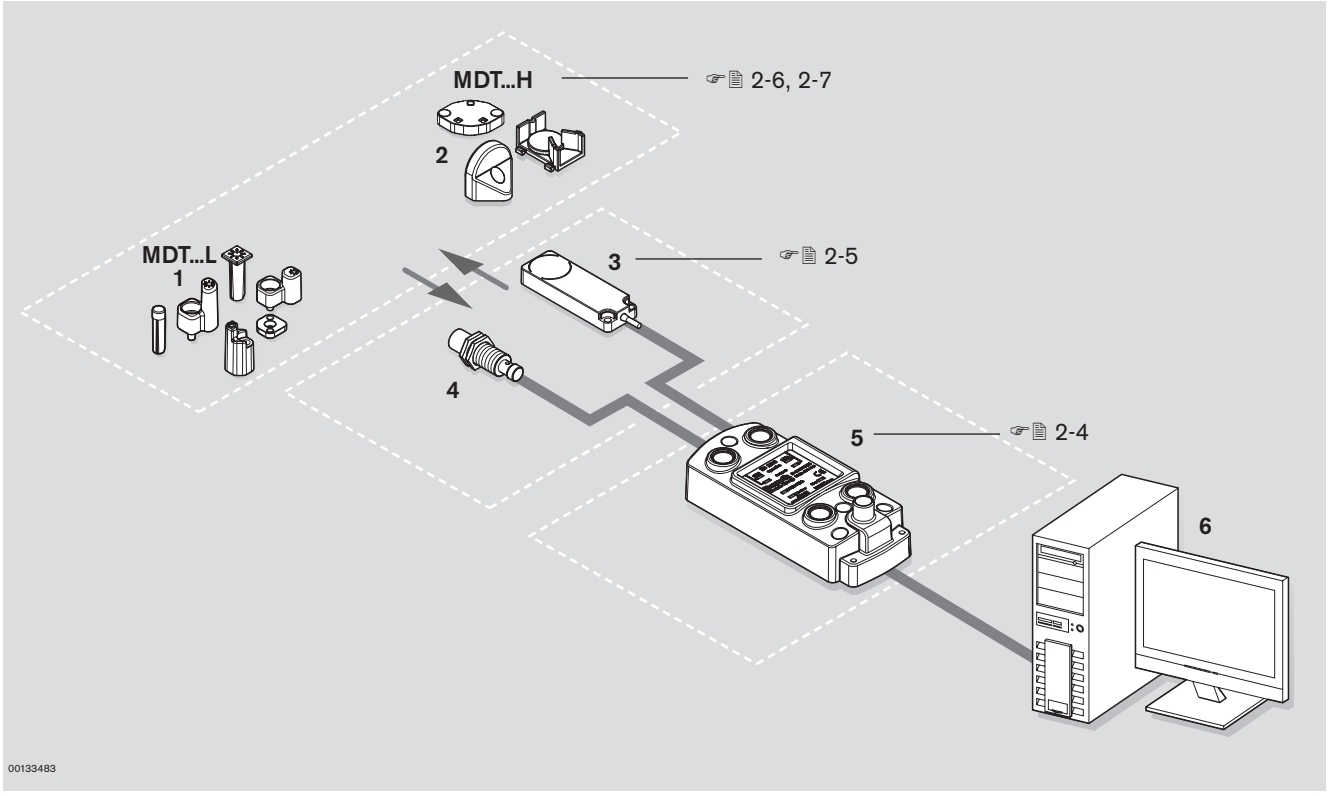


1 Mobile data tags MDT...L for 125 kHz.
2 Mobile data tags MDT...H for 13.56 MHz
3 Flat antennas A...F for 125 kHz or 13.56 MHz.
4 Round antennas A...R for 125 kHz or 13.56 MHz
5 Communication module C-... for PROFIBUS or Ethernet.
6 Control system

RFID system ID 200

Communication module ID 200/C-...

125 kHz 13,56 MHz IP 65 PROFIBUS Modbus EtherNet/IP PROFINET

The communication module connects the antennas with the control system. There are plug-in connections for up to two antennas, which can be simultaneously active and are able to work with different frequencies. A digital sensor can optionally be connected at each antenna connection. Parameterization and diagnosis are performed via the integrated web server.

ID 200/C-PDP

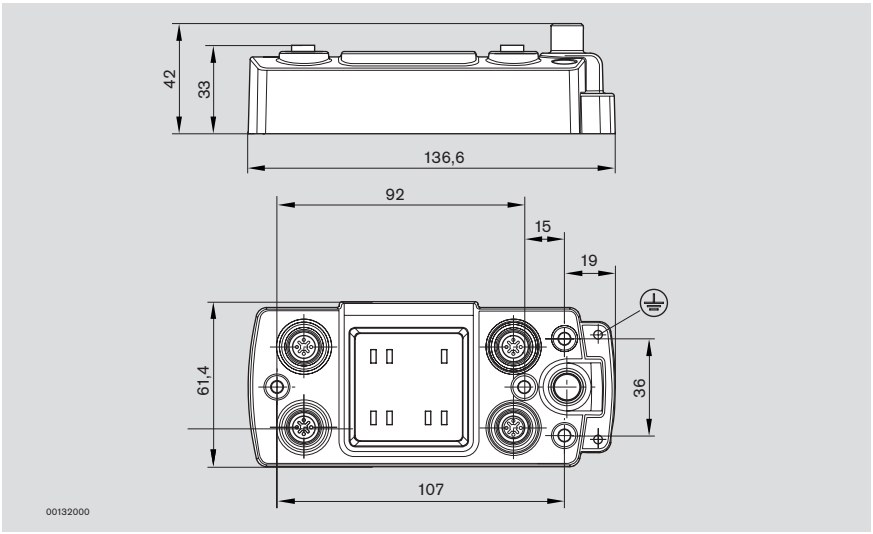
The connection to the control system is established via PROFIBUS-DPV0. The integrated web server can be reached via a separate RS-232 interface.

ID 200/C-ETH

The connection to the control system is established via Ethernet. Ethernet protocols PROFINET/IO, Modbus/TCP and EtherNet/IP are available in addition to TCP/IP. An integrated switch allows cabling in line structure as well as the classical Ethernet star-form cabling.

Communication module ID 200/C-...

	No.
ID 200/C-PDP	**3 842 410 061**
ID 200/C-ETH	**3 842 410 060**



Operating voltage	20 to 30 VDC, PELV	
Ripple	≤ 10%	
Power consumption	Max. 1.5 A (incl. 2 antennas)	
Status displays	7 LEDs	
Connections	RS232	ID 200/C-PDP
	PROFIBUS-DPV0	
	PROFINET	ID 200/C-ETH
	Ethernet/IP	
	Modbus/TCP	
	TCP/IP	
Protection class	IP65	
Housing material	Aluminum, powder coated RAL 7035	
Ambient temperature	–25 to +70°C	
Storage temperature	–30 to +80°C	
Humidity	Max. 96%	
Vibration resistance	3.5 mm (10 to 55 Hz); 20 g (55 to 2000 Hz)	
Shock and impact resistance	70 g/6 ms, 18 cycles	
Approvals	EN 300330, ETS 300683, CE, FCC	
Mass	0.5 kg	