

Mobile Data Tag MDT...H (13.56 MHz)



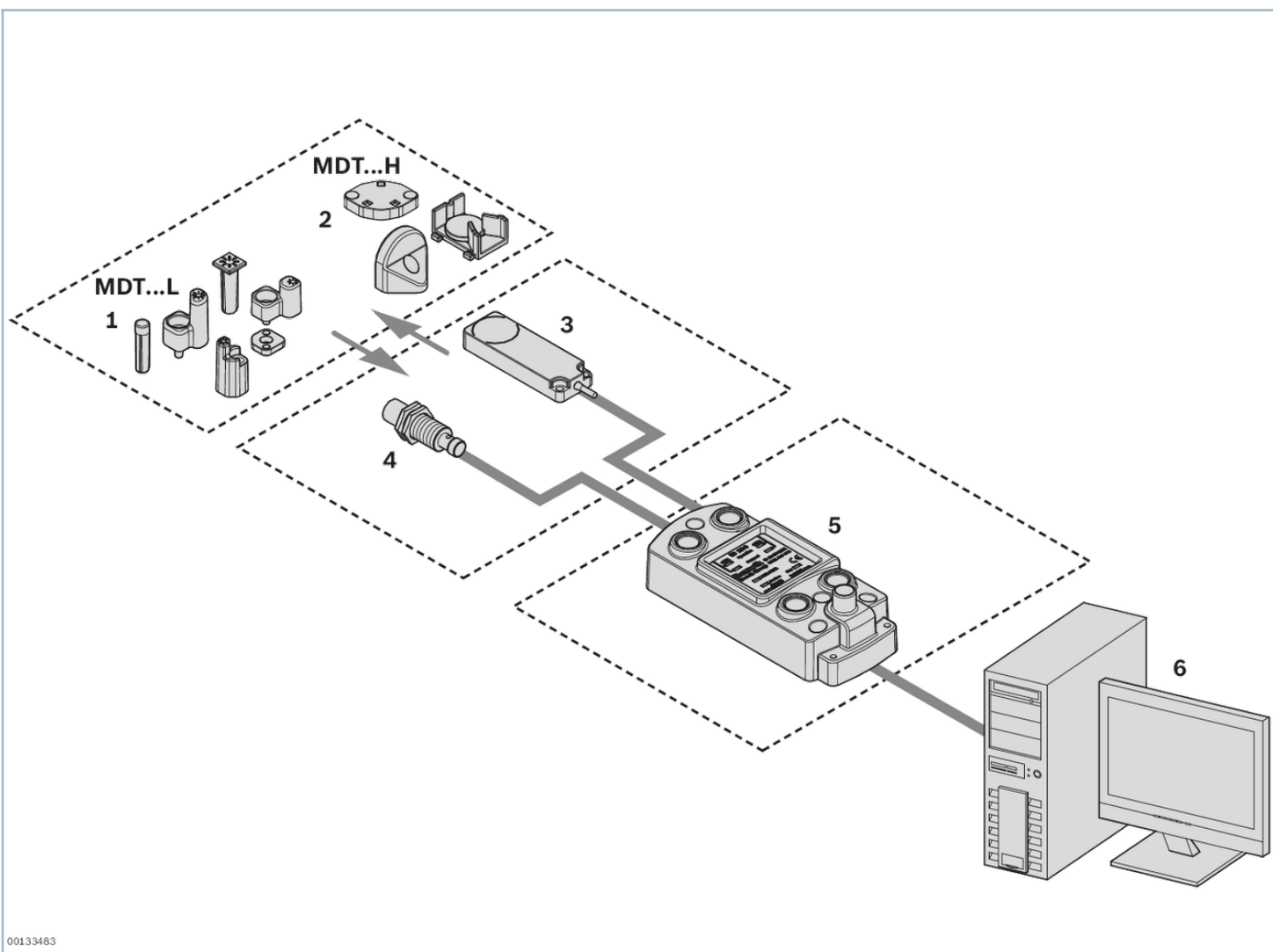
- MDT with FRAM memory

Product description

The mobile data tags are compatible with international standard ISO 15693 (13.56 MHz) and work without batteries and with FRAM memory. Several housing variants offer a wide range of installation positions on the workpiece pallet or directly on the products to be identified. The data tags can be read from several sides, including dynamically while passing.

MDTs with FRAM memory

- Memory capacity: 2000 byte user memory
- additional 64 bit: unique serial number
- Write/read cycles: 10^{10}



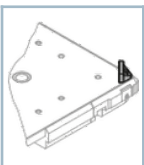
- 1) Mobile data tags MDT...L for 125 kHz
- 2) Mobile data tags MDT...H for 13.56 MHz
- 3) Flat antennas A...F for 125 kHz or 13.56 MHz
- 4) Round antennas A...R for 125 kHz or 13.56 MHz
- 5) Communication modules C-... for PROFIBUS or Ethernet
- 6) Control system

Technical data

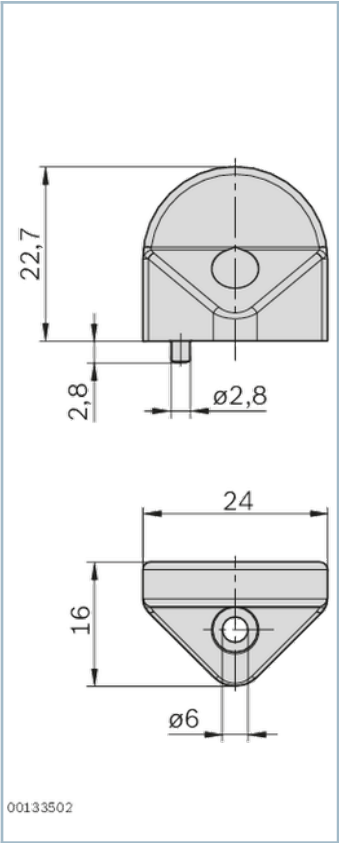
	Mobile data tag 1/2K-H	Mobile data tag 2/2K-H	Mobile data tag 3/2K-H	Mobile data tag 4/2K-H	Mobile data tag 6/2K-H
Frequency	13.56 MHz				
Standard conformity	ISO 15693				
Memory capacity	2000 byte				
Data access	8 byte block				
Memory type	FRAM				
Number of write cycles	≥ 10 billion				
Number of read cycles	unlimited				
Transmission distance – static	35 mm				
Transmission distance – dynamic	30 mm				
Ambient temperature during operation	–25 ... +85 °C				
Housing material	PA 66				
Protection type	IP68				

Dimensions

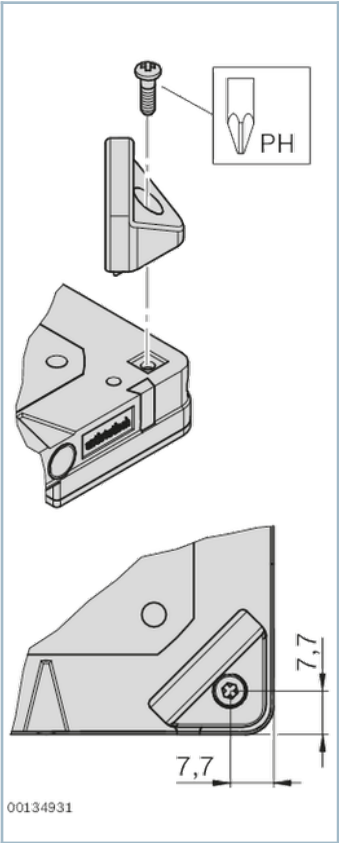
Mobile data tag MDT 1/2K-H



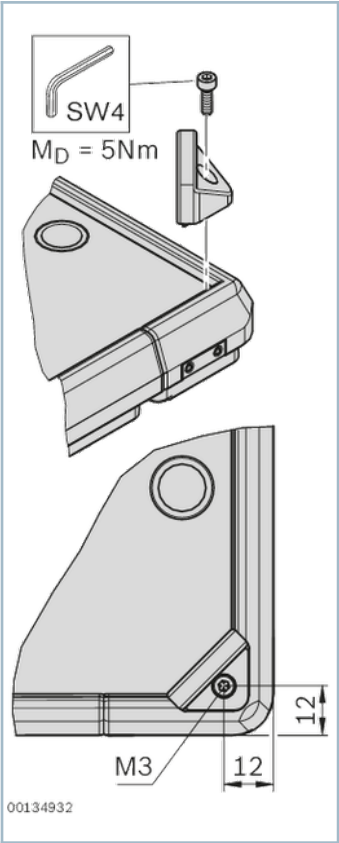
Mobile data tag MDT 1/2K-H



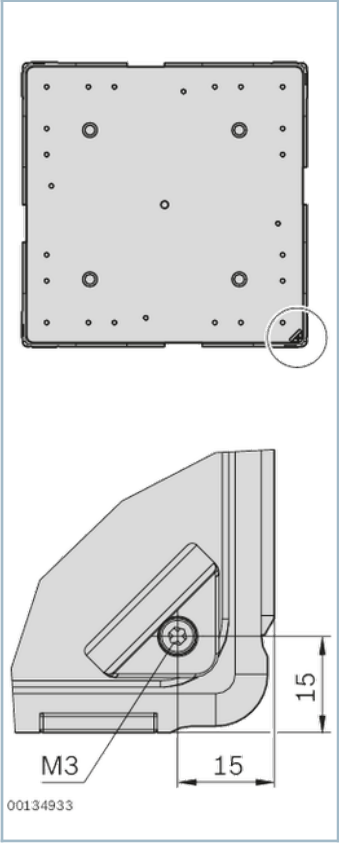
Drill pattern for MDT 1/2K-H on TS 1 workpiece pallet WT 1



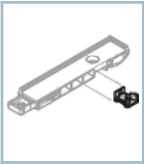
Drill pattern for MDT 1/2K-H on TS 2plus and TS 4plus workpiece pallets



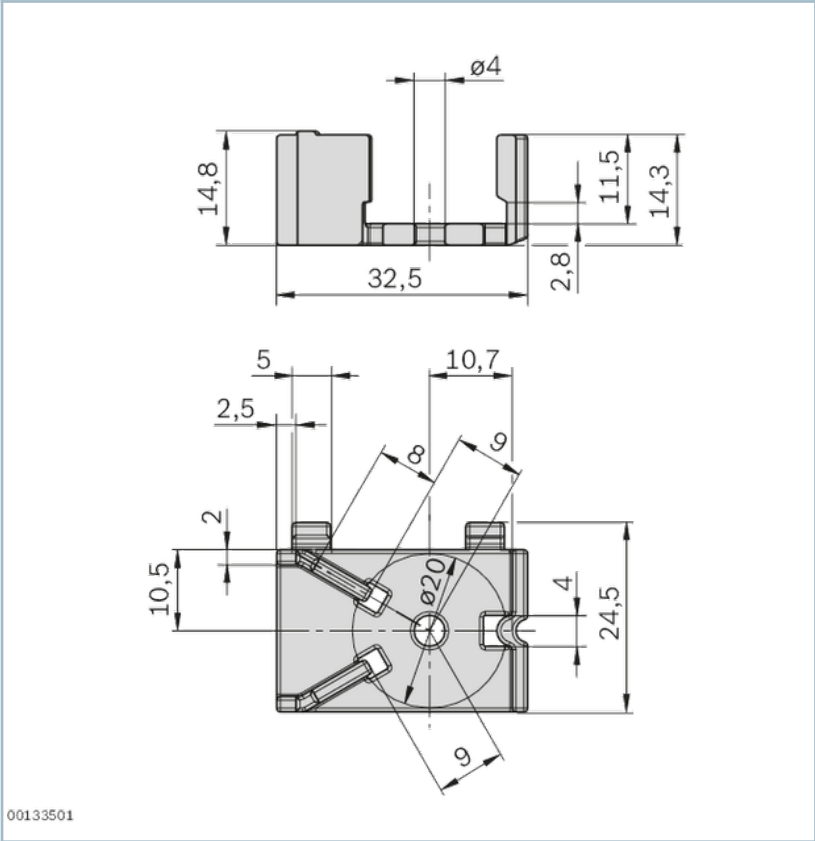
Drill pattern for MDT 1/2K-H on TS 4plus workpiece pallet



Mobile data tag MDT 2/2K-H

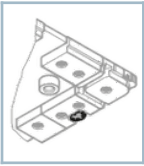


Mobile data tag MDT 2/2K-H

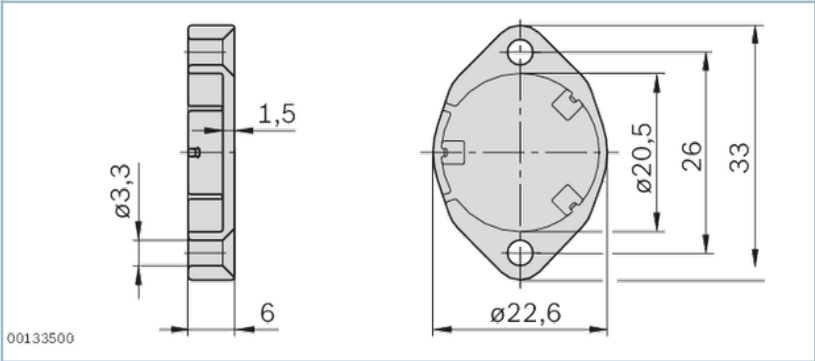


$I_{WT}, b_{WT} > 160$ (PA)

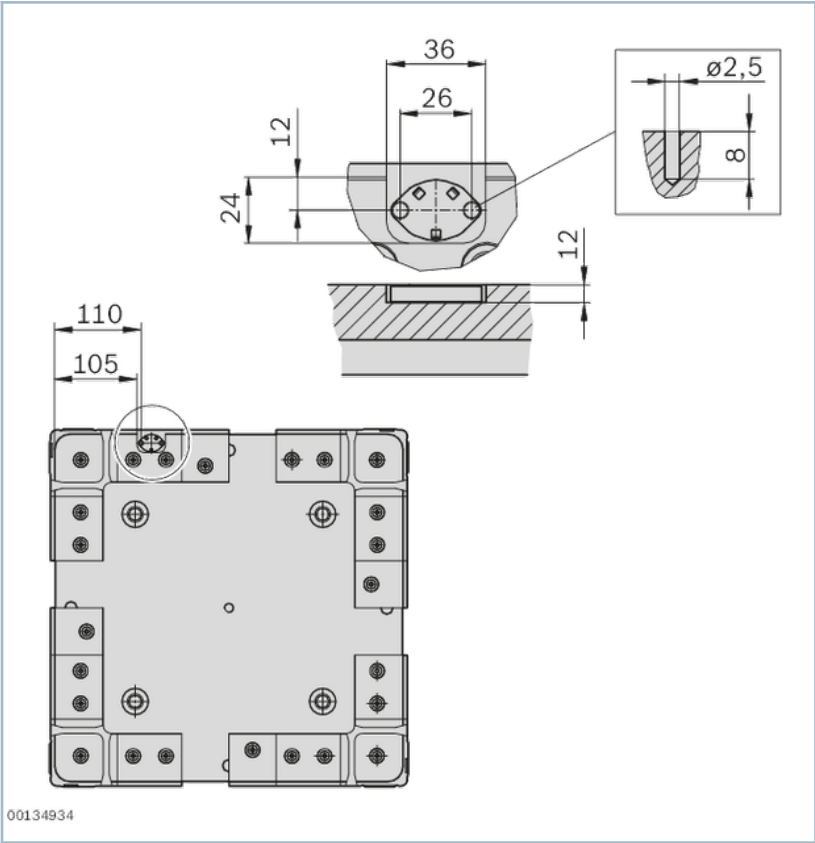
Mobile data tag MDT 3/2K-H



Mobile data tag MDT 3/2K-H



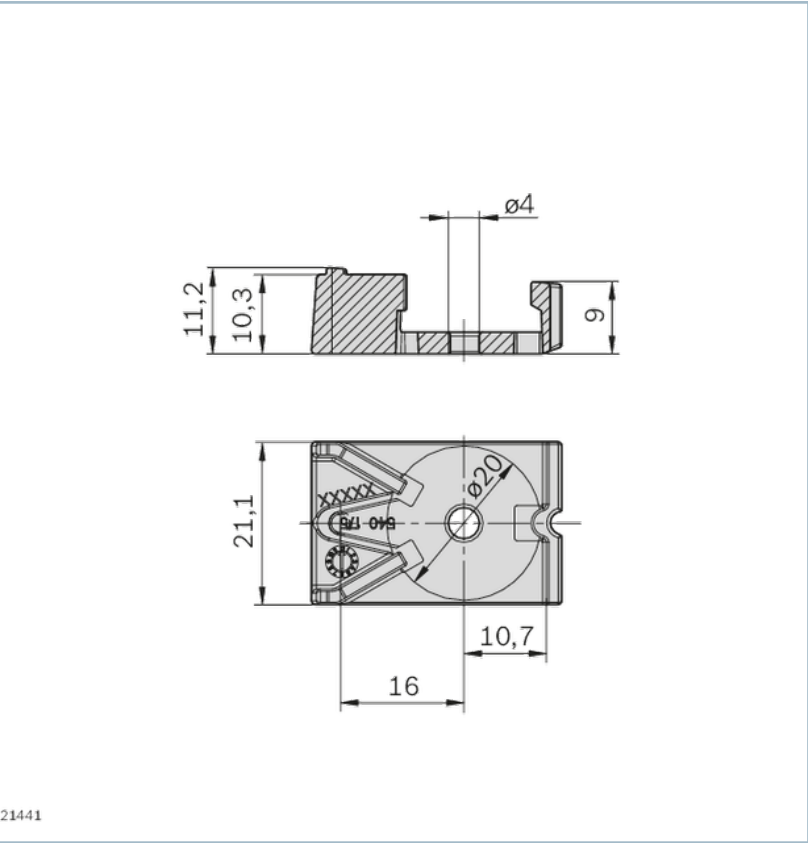
Drill pattern for MDT 3/2K-H on TS 4plus workpiece pallet



Mobile data tag MDT 4/2K-H



Mobile data tag MDT 4/2K-H

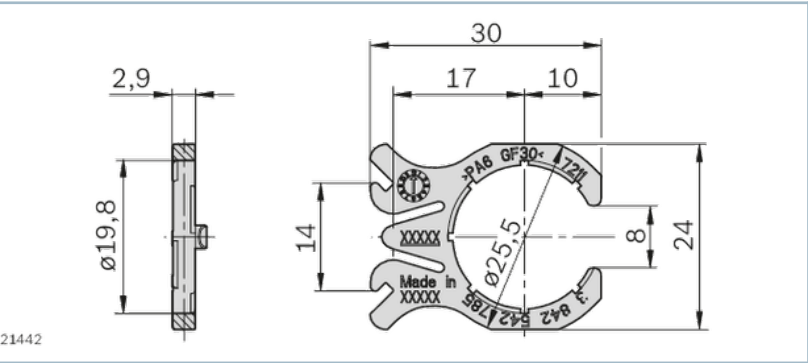


$l_{WT}, b_{WT} > 160$ (PE)

Mobile data tag MDT 6/2K-H



Mobile data tag MDT 6/2K-H



$l_{WT}, b_{WT} = 160$ (PA, PE)

Ordering codes

		No.
Mobile data tag 1/2K-H	5	3842410104
Mobile data tag 2/2K-H	5	3842410103
Mobile data tag 3/2K-H	5	3842410102
Mobile data tag 4/2K-H	5	3842410124
Mobile data tag 6/2K-H	5	3842410184