MOBY Identification Systems Introduction

Overview

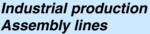
Users working with identification systems all have their own personal requirements. One might require low-price SmartLabels for logistics and another might require rugged data memories for assembly lines. In the automotive industry, such mobile data storage units (MDS) must above all be heat-resistant, and for transport control and logistics it is essential to have long-range data memories.

Irrespective of your requirements: we have the solution: MOBY[®]. These clever electronic identification systems from Siemens are the right choice for pioneering companies that exactly know what they require for the future. The reason: MOBY identification systems control and optimize material flow.

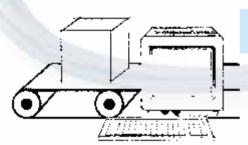
They carry out identification functions reliably, rapidly and economically, are insensitive to contamination, and save data directly on the product. We of course offer our complete servicing facilities worldwide for these systems.

Successful industrial companies worldwide use the MOBY identification systems – from the leading supplier.





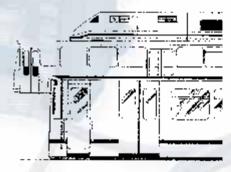
MOBY I MOBY E MOBY U



Warehouse/logistics Distribution Order picking

> MOBY D MOBY F





Transport/traffic
Transport logistics
Detecting

MOBY U MOBY R



MOBY Identification Systems Introduction

Overview

The advantages of MOBY data memories compared to other information media, for example barcodes, are quite clear:

- MOBY carries out identification fully automatically, rapidly and with 100% transmission reliability.
- MOBY is insensitive to temperature fluctuations and contamination such as oil, dust, water.
- MOBY data memories can be repeatedly reused.
- Production and quality data can be saved directly on the product; up to 32 KB.
- MOBY has a long service life.
- MOBY has a convincing cost/benefits ratio.

Furthermore, MOBY is fully integrated into the SIMATIC/SI-COMP/PROFIBUS environment or PCs with Windows, can be connected to any PLCs and – particularly important – it can be easily configured and installed exactly according to customer requirements.

Mobile handheld terminals provide even greater flexibility for a wide range of applications.





MOBY Identification SystemsIntroduction

MOBY D	MOBY F	MOBY E		
 For logistics and distribution applications 13.56 MHz identification system 	 For logistics and distribution applications 125 kHz identification system 	for logistics applications and for industrial assembly lines 13.56 MHz identification system		
 Read/write distance up to 680 mm Low-cost EEPROM data memory (44/112 byte) up to +80 °C or +200 °C 	 Read/write distance up to 420 mm Low-cost read-only or EEPROM data memory (192 byte/224 byte) up to +130 °C 	(752 byte)		
Bulk/multitag capability	Bulk-/multitag capability	up to max. +150 °C • Bulk/multitag capability (only SIM)		
 High data transfer rate (≥ 9.5 ms/byte) 	 High data transfer rate (≤ 10 ms/byte) 	 High data transfer rate (≥ 2.8 ms/byte) 		
Powerful mobile handheld terminal	Powerful mobile handheld terminal	Powerful mobile handheld terminal		
Approvals: EN 300330 (Europe)	• Approvals: EN 300330 (Europe)	• Approvals ¹⁾ : EN 300330 (Europe) FCC Part 15 (USA), UL/CSA		

Special features:

- For SmartLabels based on I-Code 1 and standard ISO 15693, e.g. I-Code SLI, Tag-it
- nas on request
- Customer-specific data memories and anten Customer-specific data memories and anten Tool pill to DIN 69 873 nas on request
- Standard components (catalog products) for versatile applications and individual solutions
- High reliability even with contamination (oil, dust, ...) or temperature fluctuations
- Simple integration into SIMATIC S5/S7 or PROFIBUS-DP/DP-V1
- Connection possible to any systems/PC through serial interface
- Worldwide configuring and service support
- 1) Also see "Manual for Configuration, Assembly and Service"

MOBY Identification Systems Introduction

МОВҮ І		MOBY U		MOBY R	
				3	
For universal industrial application		For universal industrial and logistics applications		Ideal when objects must be localized in real time	
• 1.81 MHz identification system		• 2.4 GHz identification system		 2.4 GHz Real time locating system Localization range up to 300 m with an accuracy of 3 m 	
Read/write distance up to 150 mm		Read/write distance up to 3000 mm		Read/write distance up to 3000 mm	
 Comprehensive range of rugged FRAM/ EEPROM data memories (max. 32 KB) up to +85 °C or +220 °C 		Comprehensive range of rugged RAM data memories (max. 32 KB) up to +85 °C or +220 °C		• 32 bit ROM	
_		Bulk/multitag capability		Bulk capability, practically unlimited number of MDS	
 High data transfer rate (≥ 0.8 ms/byte) 		• Very high data transfer rate (≥ 0.12 ms/byte)		• Data transfer rate depends on flashing rate (5 s up to 9 h)	
Powerful mobile handheld terminal		Powerful mobile handheld terminal		Powerful mobile handheld terminal	
• Approvals ¹⁾ :	EN 300 330 (Europe) FCC Part 15 (USA), UL/CSA	• Approvals ¹⁾ :	EN 300440-2 FCC Part 15C, UL/CSA	Approvals:	EN 55022 EN 55024 FCC Part class B
·	 No battery needed for FRAM data memory Automatic switching to vacant frequency channels (frequency hopping) Comprehensive range of read/write units Read/write range can be reduced with software 		Write/read device (SLG) can be incorporated in a WLAN infrastructure The TRIG R201 instantly recognizes a passing MDS (mobile data storage)		
				Powerful "Visibility possible to calcula	/ Server Software" makes it ate a position
				Hooks up to a server through LAN/WLAN	