

PRODUCT DATASHEET

iID® Transponder

D24-TAGspecial

HF-RFID coin size transponder, for industrial environmental conditions and using on metal

- passive RFID communication 13.56 MHz
- round TAG, diameter 24 mm
- EPOXY packaging, PA case
- for mounting on objects including metal surfaces
- 16 kbit memory capacity
- designed for item and object tagging

This transponder device is an integral part of *microsensys* iID® system solutions.



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RFID in motion

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This data sheet is subject to change
contact microsensys for latest information

D24sp-TAG 002

RFID Technology:	closed coupling RFID system iID®2000/3000, ISO 15693/14443	
Chip Type:		SLI, iID®X, iID®K, iID®G others on request
Carrier Frequency:	13.56 MHz	
Communication Rate:		down link 26.4 kbps
Communication Distance:	0 ... 25 mm	dependent on reader antenna, chip type and metal environment
Memory:	EEPROM	endurance >10 ⁵ cycles, data retention > 10 ... 50 years
Memory Capacity:		16 kbit
Special Functionality:		see data sheet of chip manufacturer
Operating Temperature:	-25°C ... +85°C	
Storage Temperature:	-45°C ... +125°C	short time 175°C (1h)
Dimensions:	D 24 mm, max. TH 2.5 mm,	half lens housing, one side EP
Packaging Material:	EPOXY / PA66	PA66 GF30 case in red colour RFID module in black EPOXY material on top
Mounting Instructions:		using on metal plane side on ground recommended glue: see application note
Protection Class:	IP67	
Marking:	laser printing possible	
Appropriate RFID Reader:	PEN reader POCKET reader UNI13 or Q10	with RS232TTL, USB or Bluetooth interface, with USB and Bluetooth interface especially for mobile data capture 13.56 MHz read write module, for microsensys OEM partner only
HOST Command Set:		see actual API documentation of microsensys iID® driver engine
Software:		different software for Windows PC or mobile devices available, for application software please ask at info@microsensys.de

Type:	13.47.450*	13.54.450	13.82.490*	13.26.450*	*on inquiry
Chip Type:	SLIX	iID-G	iID-X	iID-K	
RF Standard:	ISO 15693	ISO 15693-2	ISO 15693	ISO14443-B	
Memory:	1, E ² PROM	16; E ² PROM	16, FRAM	64, E ² PROM	kbit
Data Retention:	>50	>10	>10	>10	years
Commun.Rate:	26,4	26.4	26,4	106	kbps
Write Time:	5	5	< 0.5	5	ms