PRODUCT DATASHEET

iID® RFID Transponder

QUIN-TAGspecial ATEX

13.56 MHz transponder for industrial applications and harsh environmental conditions:

- maintenance
- equipment and item tagging
- fastening by screw or blind rivet
- TAG on metal possible
- certified for ATEX II 2G EEx ib IIC T6

This transponder package is available with different chip types based on ISO 15693 or ISO 14443. They are integral part of microsensys iID system solution.
microsensys offers an attractive component platform for closed coupling RFID solutions.

Carrier Frequency:	13.56 MHz
Technology:	RFID system iID®2000 or iID®3000
	closed coupling, based on ISO 15693 or ISO 14443B
Memory:	read write type: EEPROM, endurance >100.000 cycles, data retention > 10 years, ID-No and user OTP possible
Comm. Distance:	0 ... 50 mm, dependent on chip type, reader antenna and metal environment
Dimensions:	approx. 33 x 30 mm, max. TH 3 mm, see following drawing
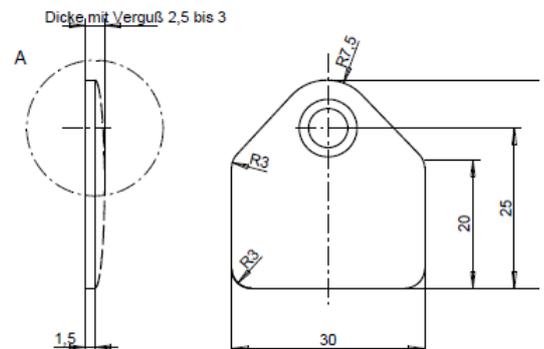
Packaging Material:	multi layer plastic package, carrier glass fibre reinforced, front side black EP, with robust stainless steel socket
Marking:	standard laser printed, optional two colour tampon printing
Mounting Instructions:	fastening by screw or blind rivet, direct using on metal possible (plane side on metal)
Operating Temperature:	-25°C ... +85°C
Storage Temperature:	-45°C ... +125°C (150°C for short time)
Appropriate RFID Reader:	PEN reader, UNI13, POCKET mini, CFC reader, M30 HEAD and more
HOST Command Set:	see actual API documentation of microsensys iID driver engine or data sheets of silicon chip manufacturer

TAG Types	**13.63.551.50**	**13.61.551.50**	**13.53.551.50**	**13.26.551.50**	
System:	ISO 15693	ISO 15693	ISO 15693-2	ISO 14443B	
Chip Type:	my-D	my-D	iID-G	iID-K	
Memory Capacity	2k RW	10k RW	16k RW	64k RW	bit
Comm. Rate	26.4	26.4	26.4	106	kbps
Comm. Distance	15	15	10	5	mm
			measured with P10 reader antenna type		