

PRODUCT DATASHEET

TELID® RFID Sensors

TELID® 472.R1 preliminary

RFID proximity sensor transponder

- passive sensor device
- proximity sensor
- non flexible hard TAG, package Q72, on metal possible
- contactless data communication ISO 18000-6C

RFID Sensor TELID® devices are an integral part of *microsensys* iID® system solution. These devices are very useful for wireless sensors applications in industrial solutions, for quality check in food and pharma industry, for temperature check in maintenance processes and transport and logistics. TELIDs are operating optimal with *microsensys* standard RFID reader.



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

TELID472.R1-02preli

RFID Technology:	RFID system TELID®400 based on ISO 18000-6C, (EPC UHF Class1 Gen2)	
Chip Type:		NXP G2iL+ or G2iM+
Carrier Frequency:	860 - 960 MHz	
Communication Rate:		up link 128 kbps, down link up to 640 kbps
Communication Distance:	0 ... 130 cm 0 ... 160 cm	on metal non metal depending on reader antenna and environmental conditions
Object Data Memory:	EEPROM	read write type endurance >10.000 cycles, data retention > 20 years
Static Memory:		parameters, calibration data, manufacturer OTP
Free Memory:		640bit user memory (only for G2iM+)
Sensor:	reed contact	
Switch Level:	1.8 – 4.5 mT	
Field Orientation:	parallel or orthogonal	
Operating Mode:	PASSIVE SENSOR	
Measure Modes:	ON LINE MEASUREMENT	
Basic Functions:	programming of sensor parameters and object data memory	
Parameters:	calibration data (optional)	
Battery:	no battery	
Working Temperature:	-40°C ... +85°C	
Storage Temperature:	-55°C ... +125°C	recommended 25°C
Dimensions:	70 x 18 mm², thickness max. 4 mm	
Packaging:	epoxy glass fiber enforced (black)	
Marking:	laser printed product type on top, optional unique ID-No optional two color printing glue or plastic screws using on metal or on plastics possible	
Mounting Instruction:		
Appropriate RFID Reader:	INDUSTRY reader CASIO IT-800	with RS232TTL, Ethernet or USB with UHF reader module
Software:	TELID application software for Windows PC and mobile devices on inquiry	

Type : 16.472.xxx.00
Sensor: type 1
Field Orientation: parallel

*) in development