

PRODUCT DATASHEET

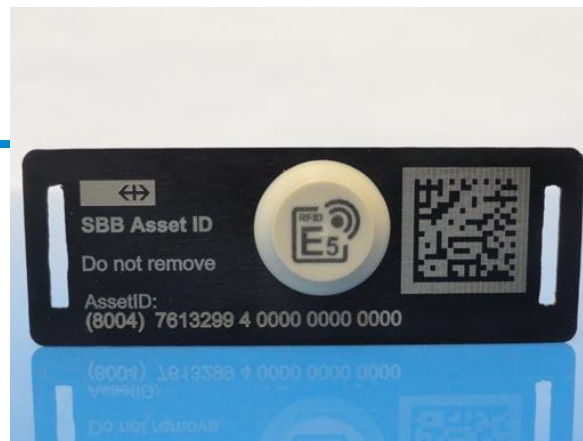
iID® Transponder

UHF PLATE 2570

robust UHF TAG on metal, customized

- passive RFID UHF band, EPC Class1 Gen2
- black stainless steel plate with RFID dot
- optional: 2D laser print, graphic printing, deep laser print
- EEPROM memory
- mounting with cable ties or metal bands
- using under very harsh environmental conditions
- especially designed for asset management of metal and non-metal objects

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



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This data sheet is subject to change
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UHF-PLATE2570 004

RFID Technology:	far field RFID system iID®4000, based on ISO 18000-6c, EPC Class1 Gen2
Chip Types:	ALIEN HIGGS 3 or ALIEN HIGGS9 or IMPINJ M4
Frequency Range:	860-928MHz
Minimum Operating Power:	-18 dBm
Polarisation:	linear
Communication Rate:	forward link: 40-160kBit/s return link: 40-640kBit/s
Communication Distance:	0 ... 1m on non-metal 0 ... 1m on metal dependent on reader system and environmental conditions
Memory:	EEPROM endurance 100000 cycles, data retention 50 year (T<55°C) features are depending on used RFID chip
Memory Capacity:	standard up to 512 bit user memory, 128(96) bit EPC memory, 48 bit TID memory
Special Functionality:	see chip manufacture data sheet
Operating Temperature:	-40°C ... +85°C
Storage Temperature:	-50°C ... +125°C up to 200°C on inquiry
Dimensions:	approx. 25 x 70mm², thickness stainless steel 0.5mm, RFID dot thickness max. 4.0mm
Packaging Material:	high quality stainless steel plate, RFID dot packaged in PEEK / Epoxy
Mounting Instructions:	with cable tie or metal bands on metal or non metal objects uniform bending in the transverse direction possible, minimum R150mm
Marking:	laser printing optional: customized graphic laser printing, bar code or 2D code laser printing, deep laser printed running number, electronic initializing
Appropriate RFID Reader:	POCKETwork UHF pocket reader CASIO IT-800 UHF handheld industry computer INDUSTRY 0906 UHF stationary reader with integrated or separate antenna others possible

Type :	16.932.453.01	16.932.453.02	
Chip Type:	Alien Higgs 3	Alien Higgs 9	
Memory:	96/128 (EPC)	96/up to 496 (EPC), 688(user)	bit
Data Retention:	50	50 (200.000 cycles)	years
Communication Distance:	1	1	m