

PRODUCT DATASHEET

iID® Read Write Interfaces

UHF Stick Antenna S50.250

Smart industrial UHF RFID Antenna

The integrated industry antenna is designed for RFID UHF applications and can be used under harsh industrial environments. This device is available with standard RF connectors (SMA). Its designed as part of iID® 4000 *microsensys* system.

microsensys offers an attractive component platform for RFID solutions – from transponder over smart readers to practical software tools.

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This data sheet is subject to change.
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microSensys
RFID in motion

ANT UHF S50.250-01

RFIDSystem:	UHF iID®4000		
Basics:	far field operation Linear polarized		
RFID Band:	868 MHz EU RFID		
Application:	harsh industrial environment		
Operating Distance:	0 ... 8 m	depending on transponder type and reader type	
Frequency Range:	860 MHz - 870 MHz		
Field Direction:	from top side, linear polarized		
Gain:	4,5 dBi		
Farfield 3dB Beamwidth:	tbd		
Impedance:	50 Ohm		
VSWR:	<1.5:1		
RF Connector:	standard SMA female		
Max. RF Power:	2 W		
Mechanicals:			
Device Size:	approx. 500 x 80 x 50 cm ³		
Casing Material:	tbd (POM, black)		
Mounting:	mountable with 2 screws, mounting on metal surfaces possible		
Operation Temperature:	-10°C ... +70°C		
Storage Temperature:	-25°C ... +85°C		
Protection Class:	IP 65		

Type:	41.40.500.25	41.40.830.00*
Gain:	4,5dBi	tbd
RFID Band	868 MHz EU RFID	tbd
RFID Frontend Controller:	only antenna	with integrated electronic

*) in development or delivery only for special projects