PRODUCT DATASHEET

iID® Read Write Interfaces

M18 UHF ANTENNA

UHF antenna for industrial application

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



microsensys GmbH In der Hochstedter Ecke 2 D 99098 Erfurt

TEL +49-361-59874 0

E-MAIL info@microsensys.de
+49-361-59874 17

WEB www.microsensys.de
This data sheet is subject to change.
contact microsensys for latest information

ANT UHF M18-01

RFIDSystem: UHF, iID[®]4000

Standards: especially designed for ISO 18000—6 RFID reader with external antenna Chip Solutions: no requirements, independent from RFID chip type

practicable for small closed coupling UHF-TAGs

Basics: closed coupling industrial antenna

near field

RFID Band: 868 MHz EU RFID

Application: harsh industrial environment

Operating Distance: 0 ... 5 cm depending on transponder type and reader type

Frequency Range: Field Direction:

Impedance:

RF Connector:

VSWR:

Max. RF Power:

865 MHz - 870 MHz

front side

magnetic field 50 Ohm

<1.5:1

standard SMA female

2 W

please note metal environments

Mechanicals:

Device Size: D18 mm (M18x1.5), L 68 mm casing Material: plastic cup, stainless steel

Mounting: mountable with 2 nuts

Operation Temperature: -10°C ... +70°C

Storage Temperature: -25°C ... +85°C

Protection Class: IP 65 for industrial

Type: 41.40.000.01 41.40.800.00*

RF: near field tbd RFID Band: 868 MHz EU RFID tbd

RFID Frontend Controller: only antenna with integrated electronic

*) in development or delivery only for special projects