

PRODUCT DATASHEET

iID® Read Write Interfaces

UHF Batch ANTENNA B40.40

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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ANT UHF B4040-01

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
Basics:	industrial batch antenna far field right-handed circular polarization	
RFID Band:	868 MHz EU RFID	
Application:	harsh industrial environment	
Operating Distance:	0 ... 150 cm	depending on transponder type and reader type
Frequency Range:		865 MHz - 870 MHz
Field Direction:		front side
Antenna Gain:		1,0 dBi
Impedance:		50 Ohm
VSWR:		<1.5:1
RF Connector:		standard SMA female
Max. RF Power:		2 W
Mechanicals:		
Device Size:	40 (56) x 40 x 20 mm	
Casing Material:	plastic cup	
Mounting:	mountable with 2 screws	
Operation Temperature:	-10°C ... +70°C	
Storage Temperature:	-25°C ... +85°C	
Protection Class:	IP54	for industrial applications

Type:	41.30.000.01
RF:	near field
RFID Band:	868 MHz EU RFID
RFID Frontend Controller:	only antenna

*) in development or delivery only for special projects