



# i-scan<sup>®</sup> UHF

## UHF antenna

ID ISC.ANT.U250/250-EU  
ID ISC.ANT.U250/250-FCC



The UHF antennas ID ISC.ANT.U250/250-EU/-FCC are circular polarized antennas for operating frequencies in the UHF ranges 865-870 MHz (EU antenna) and 902-928 MHz (FCC antenna).

So the antenna can be used for UHF applications within both released UHF ranges in Europe (865-870 MHz) as well as in North America (902-928 MHz).

### Features:

- Best performances in each frequency range by specifically optimized EU- and FCC antenna
- Two antenna cables available (2 m and 6 m)
- Mounting set for easy installation available

## Short description and technical information

### Short description

The UHF antennas ID ISC.ANT.U250/250-EU-FCC are circular polarized antennas for operating frequencies in the UHF ranges 865-870 MHz (EU antenna) and 902-928 MHz (FCC antenna).

So the antennas can be used for applications within both released UHF ranges in Europe (865-870 MHz) as well as in North America (902-928 MHz).

Due to an integrated multiplexer, the long range readers of the OBID *i-scan*<sup>®</sup> UHF family can be connected with up to four UHF antennas.

Due to the antennas' circular polarization, transponders can be identified in two different orientations (E plane / H plane).

### Installation



### Technische Daten

Housing	Plastic
Dimensions (WxHxD)	260 x 260 x 56 mm
Weight	approx. 1050 g
Color	white (similar RAL9018)
Protection class	IP 54
Operating frequency	
EU antenna	865 - 870 MHz
FCC antenna	902 - 928 MHz
Gain	
EU antenna	9,0 dBic @ 866 MHz
FCC antenna	8,7 dBic @ 915 MHz
3 dB beam width	
- E plain	65°
- H plain	65°
Polarization	circular
VSWR	< 1,5 : 1
Antenna connection	SMA socket (50 Ohm)
Temperature range	
- operation	-25°C up to 55°C
- storage	-25°C up to 85°C

#### Information about the mounting set ID ISC.MS.ANT.U250/250:

Maximum clamping range	30 - 60 mm
Material	Aluminium, steel-galvanized
Weight	380 g
Orientation	changeable in three directions

10/05

**FEIG ELECTRONIC GmbH**  
 Lange Straße 4, D-35781 Weilburg  
 Tel.: +49 (0) 6471 / 3109-0, Fax: -99  
 Internet: <http://www.feig.de>  
 e-mail: [OBID@feig.de](mailto:OBID@feig.de)