

## UHF RFID Antennas ID ISC.ANT.U270/270



### SPECIAL FEATURES

- Circular Polarization for optimized reading performance
- Available for EU and FCC Frequencies
- IP 65 for outdoor applications
- Unique design
- Usable with all available UHF readers



## DESCRIPTION

The antenna ID ISC.ANT.U270/270 of the OBID *i-scan*<sup>®</sup> UHF series is specially designed for use in the different UHF frequency bands. A separate version is available for the European frequency band in the range from 865 MHz to 868 MHz as well as for the FCC frequency band from 902 MHz to 928 MHz

The circular polarization of the antenna allows an identification of transponders in different orientation. E.g. an intelligent alignment of the antennas within a gate allows a 3-dimensional identification of transponders.

With the combination of exclusive design and high protection class IP65 the antenna can be used for indoor applications as well as outdoor applications.

The development of customized antennas is possible on demand.

## ORDER DESCRIPTION

Antennas with an operating frequency from 865 MHz to 868 MHz:

- ID ISC.ANT.U270/270-EU  
Order Number: 3199.000.00

Antennas with an operating frequency from 902 MHz to 928 MHz:

- ID ISC.ANT.U270/270-FCC  
Order Number: 3686.000.00

## AVAILABLE ACCESSORIES

Antenna cables:

- ID ISC.ANT.C2-A  
Order Number: 1654.002.00
- ID ISC.ANT.C6-A  
Order Number: 1654.003.00

Mounting sets:

- ID ISC.ANT.U270/270-MS  
Order Number: 3309.000.00

	<b>ID ISC.ANT.U270/270</b>
Dimensions *	270 x 270 x 57 mm <sup>3</sup>
Housing	ASA-ABS
Colour	White
Weight	1.210 g
Protection class	IP65
Gain	approx. 9 dBic
3 dB beam width	65° x 65°
Polarization	circular
Antenna connection	SMA socket (50 Ohm)
Temperature range	
Operation	- 25 °C up to 55 °C
Storage	- 25 °C up to 80 °C

**Antennas are compatible with any current UHF reader system.**

\* Tolerances ± 0.5 mm

FEIG ELECTRONIC reserves the right to change specification without notice at any time.  
State of information: April 2015.