

ID ISC.ANT.U170/170 / ANT.U270/270 / ANT.U600/270

UHF RFID Antennen

- Circular polarization for optimized reading performance
- IP65 for outdoor applications
- Usable with numerous different UHF readers
- ID ISC.ANT.U600/270: 30° beam width, particularly suitable for vehicle identification and Free Flow Tolling systems
- ID ISC.ANT.U170/170: Very small and lightweight design



Circular polarized allrounder

The UHF antennas from FEIG ELECTRONIC are characterized by their high performance and precise tuning for the various UHF operating frequencies. Separate versions are available for the European frequency band in the range from 865 MHz to 868 MHz as well as for the FCC band from 902 MHz to 928 MHz.

The circular polarization of the antennas allows an identification of transponders in different orientations. Thus, for example, a 3-dimensional identification of transponders can be realized in a gate application by intelligent alignment of the antennas.

Modern and robust

With the combination of elegant design and high protection class IP65 the antennas can be used for both, indoor applications and outdoor applications.

Each antenna convinces by individual properties, so for each kind of application a suitable antenna is available. The development of customized antennas is possible on demand.



UHF Long Range Antennas for various applications

UHF RAIN antennas from FEIG ELECTRONIC offer greatest possible variability with elegant design and robust appearance.

| Product details | UHF Antennas | | |
|---|--|---------------------|---------------------|
| | ID ISC.ANT.U170/170 | ID ISC.ANT.U270/270 | ID ISC.ANT.U600/270 |
| Dimensions | 170 x 170 x 25,5 mm* | 270 x 270 x 57 mm* | 590 x 270 x 57mm* |
| Housing | ASA-ABS | | |
| Colour | White | | |
| Weight | 270 g | 1210 g | 2200 g |
| Protection class | IP65 | | |
| Gain | approx. 4 dBic | approx. 9 dBic | approx. 11 dBic |
| 3 dB beam width | 85° x 85° | 65° x 65° | 30° x 65° |
| Polarization | circular | | |
| Antenna connection | SMA socket | | |
| Temperature range Operation Storage | -25° C up to 55° C -25° C up to 80° C | | |

* Tolerances ± 0,5 mm

Suitable to be used with the following FEIG UHF Readers:



UHF Long Range Reader
ID ISC.LRU1002
ID ISC.LRU3000
ID ISC.LRU3500



UHF Mid Range Reader
ID ISC.MRU102



UHF Mid Range Reader Module
ID ISC.MRMU102

Accessories:



Antenna cable, 2m



Antenna cable, 6m



Mounting Sets

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