



HF Block Antenna

Due to its design, the HF block antenna is particularly suitable for applications with limited space. It is designed as a frame antenna and is sealed watertight by a robust plastic housing. (Available in protection class IP65 and IP 30) It is suitable for use in metallic environments. To provide the optimal solution for each application, the RF block antenna is available with different cable outputs and different cable lengths. (Not listed sizes on request)

Technology

RFID Antennas Frequency: 13.56 MHz

Features

- » Convenient plug-in connections for immediate use (push-pull system)
- » Robust connectors for secure connections
- » Different types and cable lengths available
- » Typical reading range < 100 mm (depending on transponder type)

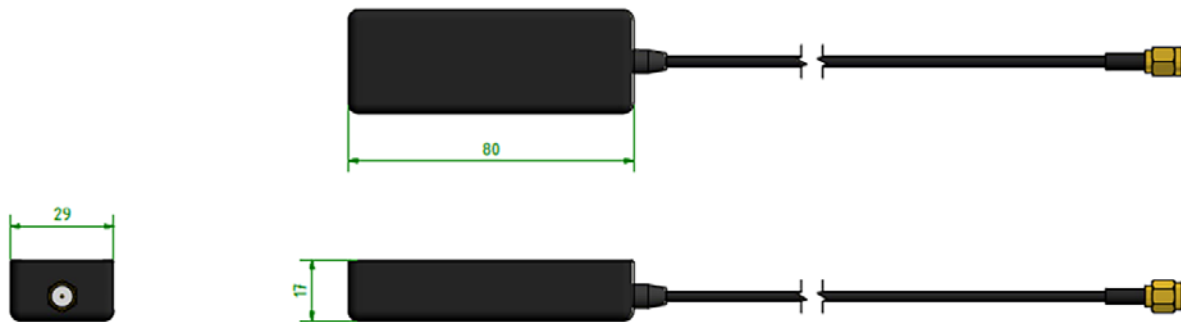
Cable type

- » RG 174/U black, 50 Ω, temperature range from -35 / +80°C

Connection options

- » LEMO or SMA standard connector
- Customized connections and cable lengths possible

Compatible with HERMOS RFID readers (base HF)



| Part number | Description | | |
|--------------------|----------------------|-----------|----------------------------------------------------------------------------|
| | Housing | Plug type | Length |
| HRF.A.HFX.BM.SU.xx | Block output rear | SMA | xx = antenna cable in dm (10 = 1m), Available lengths: 1,0 1,8 2,0 3,0 3,6 |
| HRF.A.HFX.BM.SS.xx | Block output lateral | SMA | xx = antenna cable in dm (10 = 1m), Available lengths: 1,0 2,0 3,0 6,0 |
| HRF.A.HFX.BM.LS.00 | Block output lateral | LEMO | - |
| HRF.A.HFX.BM.LU.00 | Block output rear | LEMO | - |

(Further variants and customer-specific configurations available on request)

Technical data

Design: Block antenna
Dimensions: 80 x 29 x 17 mm
Antenna connector: SMA/LEMO
Diameter antenna cable: 3 mm
Antenna material: PP, black
Frequency: 13,56MHz, ISO15693
Cable sheath: PVC

Cable length: Variant dependent
Plug type: depending on variant
Protection class: IP 30 (IP65 on request)
Operating temperature: 0 °C to 50 °C
Storage temperature: - 25 °C to 70 °C
Permissible humidity: at 50°C 25% to 80%
Conformity: RoHS, REACH

