

SIRIUS

RFID Antenna
Industry

PART ID:
4700

The LF stationary antennas SIRIUS 4700 in combination with fixed reader MAGNUM Series are used for contact-less identification of animals and objects. The antennas are designed for applications with demands for mid- and longrange identification. The reader electronic controls all antenna functions. Due to its compact design, the robust construction IP68 and its resistance to typical environmental influences the antennas are perfectly suited for applications in agriculture and industrial automation.



Main Specifications

| | |
|-----------------------|---|
| Frequencies | LF HF UHF |
| Material | PE with PU Potting |
| Operating Temperature | -20°C to 80°C |
| IP Class | IP67 |
| Compliance | RoHs & Reach, CE |
| Key Features | Small Size, Rugged Design, 125/134 kHz, opt. Compatible to "Food Grade" |

Full Specifications

| | |
|------------------|---|
| Product ID | 4700 |
| Name | SIRIUS |
| Material | PE with PU Potting |
| Shape | Aircoil |
| Long Description | The LF stationary antennas SIRIUS 4700 in combination with fixed reader MAGNUM Series are used for contact-less identification of animals and objects. The antennas are designed for applications with demands for mid- and longrange identification. The reader electronic controls all antenna functions. Due to its compact design, the robust construction IP68 and its resistance to typical environmental influences the antennas are perfectly suited for applications in agriculture and industrial automation. |
| Key Features | Small Size, Rugged Design, 125/134 kHz, opt. Compatible to "Food Grade" |
| Comments | Reading Distance Depends On Reader and Transponder |
| Main Use | Industrial |
| Article Type | Industry |

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| | |
|----------------------------|--------------------|
| Color | Black |
| Length [mm] | 70 |
| Width [mm] | 70 |
| Thickness [mm] | 20 |
| Weight [g] | 800 |
| IP Class | IP67 |
| PCB Material | PE with PU Potting |
| Chemical Resistance | Not Specified |
| Flame Resistance | Not Specified |
| Mechanical Resistance | Not Specified |
| Compliance | RoHs & Reach, CE |
| Operating Temp °C (min) | -20 |
| Operating Temp °C (max) | 80 |
| Storage Temp °C (min) | -20 |
| Storage Temp °C (max) | 80 |
| Typical Reading Range | 150 |
| Operating Frequency | LF |
| Frequency Range | 125-134 kHz |
| Antenna Inductance L [µH] | 190 µH |
| Antenna Resistance R [Ohm] | < 5 Ohm |
| Connection | Open Wire |
| Cable Type | PUR Flex Cable |
| Cable Length | 12 m |
| Mounting Method | Screws |

VARIANTS

| | |
|----------------|-----------|
| ID | Variant |
| 4700-01-000-00 | Open Wire |