# SIRIUS

**RFID Antenna**
**ATEX**

**PART ID:**
**4729**

SIRIUS 4729 is a compact RFID UHF Antenna with circular polarization. This radiation pattern makes this antenna ideal for many RFID applications such as real-time inventory systems, magic mirrors and tracking through doors and corridors in ATEX/IECEx Zone2/22 environments in conjunction with the stationary reader MAGNUM 4607.




## Main Specifications

| | |
|---|---|
| Frequencies | LF HF **UHF** |
| Material | Aluminium+ABS |
| Operating Temperature | -40°C to 70°C |
| IP Class | IP65 |
| Compliance | RoHs & REACH, FCC, CE |
| Key Features | RFID UHF, ATEX Zone 2/22, Gain 9dBi, Reading Distance up to 10m, Right or left circular polarization |

## Full Specifications

| | |
|---|---|
| Product ID | 4729 |
| Name | SIRIUS |
| Atex | yes |
| Material | Aluminium+ABS |
| Shape | Long Range |
| Long Description | SIRIUS 4729 is a compact RFID UHF Antenna with circular polarization. This radiation pattern makes this antenna ideal for many RFID applications such as real-time inventory systems, magic mirrors and tracking through doors and corridors in ATEX/IECEx Zone2/22 environments in conjunction with the stationary reader MAGNUM 4607. |
| Key Features | RFID UHF, ATEX Zone 2/22, Gain 9dBi, Reading Distance up to 10m, Right or left circular polarization |
| Article Type | ATEX |
| Color | White |
| Length [mm] | 260 |
| Width [mm] | 260 |

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Where application information is given, it is only advisory and does not form part of the specification.



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| | |
|---|---|
| Thickness [mm] | 91 |
| Weight [g] | 2500 |
| IP Class | IP65 |
| PCB Material | FR4 |
| Chemical Resistance | Not Specified |
| Flame Resistance | |
| Mechanical Resistance | IEC 68.2.27/ IEC 68.2.6 |
| Compliance | RoHs & REACH, FCC, CE |
| Operating Temp °C (min) | -40 |
| Operating Temp °C (max) | 70 |
| Peak Temp I / °C | 70 |
| Typical Reading Range | up to10m |
| Operating Frequency | UHF |
| Frequency Range | 865-869MHz |
| Impedance [Ohm] | 50 ? |
| Polarisation, circular [RHCP] | Circular right/left |
| Connection | SMA |
| Cable Type | various |
| Cable Length | various |
| Mounting Method | Pole |

## VARIANTS

| ID | Variant |
|---|---|
| 4729-01-000-00 | Plug SMA |

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