

# 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	<b>LF HF UHF</b>
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]	270
Width [mm]	270

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Thickness [mm]	79
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 to 10m
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