SIRIUS

RFID Antenna
Industry

PART ID:
4706

The SIRIUS 4706 is a aircoil antenna with stainless steel housing and was designed to be connected with fixed reader from the MAGNUM Series for used in waste management application. System integrators remove a tooth of the comb lifter and replace it with the SIRIUS LF antenna. The antenna is placed under the BIN TAG Chipnest transponder so that a good and accurate reading accuracy of the TECTUS Bin TAG 1021 is guaranteed.



Main Specifications

Frequencies	**LF** HF UHF
Material	Stainless Steel + Epoxy
Operating Temperature	-20°C to 80°C
IP Class	IP67
Compliance	RoHs & Reach, CE
Key Features	Rough Environment, ASK/FSK Modulation, Stainless Steel Housing

Full Specifications

Product ID	4706
Name	SIRIUS
Material	Stainless Steel + Epoxy
Shape	Aircoil
Long Description	The SIRIUS 4706 is a aircoil antenna with stainless steel housing and was designed to be connected with fixed reader from the MAGNUM Series for used in waste management application. System integrators remove a tooth of the comb lifter and replace it with the SIRIUS LF antenna. The antenna is placed under the BIN TAG Chipnest transponder so that a good and accurate reading accuracy of the TECTUS Bin TAG 1021 is guaranteed.
Key Features	Rough Environment, ASK/FSK Modulation, Stainless Steel Housing
Main Use	Waste Management
Article Type	Industry
Color	Steel
Length [mm]	81
Width [mm]	31

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

TECTUS Technology GmbH | Lustheide 85 | D-51427 Bergisch Gladbach | Phone: +49 (0) 22 04 976 88 0 | Fax: +49 (0) 22 04 976 88 10

Thickness [mm]	37
IP Class	IP67
PCB Material	Stainless Steel
Chemical Resistance	Not Specified
Flame Resistance	
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	100
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	8 m
Mounting Method	Srews

VARIANTS

ID	Variant
4706-01-000-00	PLUG M12

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