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

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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

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