SIRIUS

RFID Antenna
ATEX

PART ID:
4714

The SIRIUS 4714 antenna is used by system integrators and users to identify ATEX Zone 1 and IECX Zone 1 certified LF RFID transponders in conjunction with the stationary MAGNUM 4500 reader in hazardous areas. Typical applications can be found in industrial applications like gas filling station.



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	ATEX Zone 1/21, Rough Environment, 125/134 kHz, ASK/FSK Modulation

Full Specifications

Product ID	4714
Name	SIRIUS
Atex	yes
Material	PE with PU Potting
Shape	Aircoil
Long Description	The SIRIUS 4714 antenna is used by system integrators and users to identify ATEX Zone 1 and IECX Zone 1 certified LF RFID transponders in conjunction with the stationary MAGNUM 4500 reader in hazardous areas. Typical applications can be found in industrial applications like gas filling station.
Key Features	ATEX Zone 1/21, Rough Environment, 125/134 kHz, ASK/FSK Modulation
Comments	Reading Distance Depends On Reader and Transponder
Main Use	Industrial, Logistic, Offshore
Article Type	ATEX
Color	Black
Length [mm]	185
Width [mm]	185

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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]	20
Weight [g]	600
IP Class	IP67
PCB Material	PE with PU Potting
Chemical Resistance	Not Specified
Flame Resistance	
Mechanical Resistance	IK 06
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	250
Operating Frequency	LF
Frequency Range	125-134 kHz
Antenna Inductance L [µH]	190µH
Antenna Resistance R [Ohm]	<5 Ohm
Connection	open wire
Cable Type	PUR
Cable Length	12
Mounting Method	Screws

VARIANTS

ID	Variant
4714-01-000-00	LF Mid Range

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