SIRIUS

RFID Antenna
ATEX

PART ID:
4708

The SIRIUS 4708 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 offshore applications.



Main Specifications

Frequencies	**LF** HF UHF
Material	GF+Stainless Steel
Operating Temperature	-20°C to 57°C
IP Class	IP65
Compliance	RoHs & Reach, CE
Key Features	ATEX and IECEx™ Zone 1, Rough Environment, 125/134 kHz, ASK/FSK Modulation

Full Specifications

Product ID	4708
Name	SIRIUS
Atex	yes
Material	GF+Stainless Steel
Shape	Aircoil
Long Description	The SIRIUS 4708 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 offshore applications.
Key Features	ATEX and IECEx™ Zone 1, Rough Environment, 125/134 kHz, ASK/FSK Modulation
Main Use	Industrial, Logistic, Offshore
Article Type	ATEX
Color	Steel/Black
Length [mm]	530
Width [mm]	530
Weight [g]	1700

© TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use
of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility.
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

IP Class	IP65
PCB Material	GF+Stainless Steel
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)	57
Storage Temp °C (min)	-20
Storage Temp °C (max)	57
Typical Reading Range	500
Operating Frequency	LF
Frequency Range	125-134 KHz
Antenna Inductance L [µH]	190 µH
Antenna Resistance R [Ohm]	< 5 Ohm
Connection	Connector
Cable Type	PUR Flex Cable
Cable Length	2m

VARIANTS

ID	Variant
4708-01-000-00	LF Long Range

© TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use
of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility.
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