

HUBER+SUHNER® DATA SHEET

Sencity® SPOT-L RFID Under-Belt Antenna: 1309.17.0110



SPA-900/65/9/0/LCP_C

Description

Sencity® SPOT-L RFID Under-Belt Antenna
UHF RFID Antenna for ETSI & FCC frequency bands
Broad band 865 to 870 MHz & 902 to 928 MHz
LHCP polarization circular left-hand
IP54 for indoor mounting



Product Configuration

Technical Data

Electrical Data

	Band 1
Frequency (MHz)	865 - 928
VSWR	2
Gain	8 dBic
3dB beamwidth (h) (°)	65
3dB beamwidth (v) (°)	16
Front to back ratio	20 dB
Axial ratio	5 dB
Vertical electrical tilt (°)	0

General Data

Nominal impedance	50 Ω
DC grounded	Yes
Polarisation	circular left
Connector	N, jack (female),
Pigtail	Length: 0.26 m
Min. bending radius static	15 mm
Composite power max.	6 W at ambient temperature 25 °C

Reading range area:	1020 x 420 mm (typical)
Reading range height:	1000 mm (typical)
Tag type:	7 cm x 1.5 cm or larger

Mechanical Data

Dimensions (mm)	1020 x 380 x 11.5 (Height x Width x Depth)
Weight	4.5 kg
Radome:	Material Murdotec Dry Slide anti-static / colour black
Base plate:	Aluminium with chemical conversion coating

Mechanical load permitted: 70 Kg on 30 x 30 cm antenna radom surface

Type of pigtail cable: RG-316 with outer diameter 2.6 mm
Position of pigtail connection see outline drawing

Environmental Data

Environmental conditions	indoor
Operation temperature (°C)	-10 to 50
Storage temperature (°C)	-30 to 70
IP rating	IP 54
Flammability rating	UL 94-HB

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.

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RoHS 2002/95/EC	compliant
Lead-free soldered	yes
Humidity:	ETSI EN300-2-4 T4.1E (144 h, 95%)
Mechanical shock:	IEC 60721-3-4 / 4M3
Vibration:	IEC 60721-3-4 / 4M3 (30 min / axis)

Material Data

Radome colour

Related Documents

Mounting instruction	
Painting instruction	
Security instruction	
Outline drawing1	DOU-00258029

Additional Information

ANTENNA FOR UNDER-BELT APPLICATIONS WITH MECHANICAL LOAD
WITH ANTI-STATIC RADOME MATERIAL
VERY THIN DESIGN

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