# **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 1 865 - 928 Frequency (MHz) **VSWR** 2 Gain 8 dBic 3dB beamwidth (h) (9 65 3dB beamwidth (v) (9 16 Front to back ratio 20 dB Axial ratio 5 dB Vertical electrical tilt (9

#### **General Data**

Nominal impedance 50 Ω DC grounded Yes Polarisation circular left Connector N. iack (female). Pigtail Length: 0.26 m

Min. bending radius static 15 mm

Composite power max. 6 W at ambient temperature 25 ℃

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

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

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#### **Environmental Data**

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

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

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

ETSI EN300-2-4 T4.1E (144 h, 95%) Humidity:

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

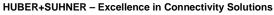
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### **Additional Information**

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

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