# **SENCITY® SC Panel**

91121363

# **Properties**

- · 1-Port Panel Antenna
- · Frequency Band 380-500
- · Vertical Polarization
- · Half-power Beam Width 65°
- · Gain 12 dBi









| Electrical bands    |                 |                 |  |
|---------------------|-----------------|-----------------|--|
|                     | Band 1          | Band 2          |  |
| Frequency           | 380 MHz 430 MHz | 430 MHz 500 MHz |  |
| Impedance           | 50 Ω            | 50 Ω            |  |
| VSWR                | 1.5             | 1.5             |  |
| Gain                | 11.5 dBi        | 12 dBi          |  |
| HPBW vertical       | 37 °            | 32 °            |  |
| HPBW horizontal     | 68 °            | 63 °            |  |
| Front to back ratio | 18 dB           | 20 dB           |  |
| Ambient Temperature | 50 °C           | 50 °C           |  |
| Composite Power max | 500 W           | 50 W            |  |

| Electrical remarks |  |
|--------------------|--|
| Remarks            | IMD level -150 dBc at carrier power 2x 43dBm |

| Ports        |                     |  |
|--------------|---------------------|--|
|              | Port 1              |  |
| Connector    | 7/16, jack (female) |  |
| Polarization | vertical            |  |
| DC grounded  | Yes                 |  |

| Connections |        |  |
|-------------|--------|--|
| Port number | Port 1 |  |
| Band 1      |        |  |
| Band 2      |        |  |



## **SENCITY® SC Panel**

Environment (application)

91121363

| Mechanical data                |   |
|--------------------------------|---|
| Weight                         | 12 kg   |
| Dimensions                     | 992 mm x 492 mm x 190 mm (Heigth x Width x Depth)   |
|                                | Windload frontal: 500 N at 150 km/h, lateral:220 N at 150 km/h , Wind speed survival: 200 km/h  |
|                                | Packing size (mm): 1140x523x252   |
| Remarks                        | Material: Reflector screen: Weather-proof aluminum. All screws and nuts: Stainless steel Grounding: The metal parts of the antenna including the mounting kit and   |
|                                | the inner conductors are DC grounded.  Ice protection: Due to the very sturdy antenna construction and the protection of the radiating system by the radome, the antenna remains operational even under icy conditions. |
|                                |   |
| Interface and material data    |   |
| Radome material                | Glass Reinforced Plastic (GRP)  |
| Radome colour                  | Grey  |
| Back plate/base plate material | Aluminium   |
| Back plate/base plate colour   | Grey  |

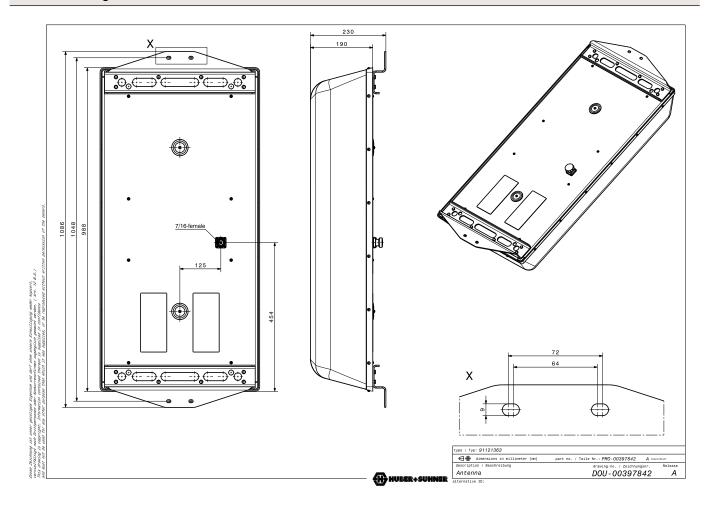
Outdoor



## **SENCITY® SC Panel**

91121363

## **Outline drawing**



HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind. DOCUMENT PIM-P31259 / Date of publication: 26.03.2024 / uncontrolled copy

