

SENCITY® Urban 100 Omni MIMO 2x2 antenna

1399.17.0253

Properties

- Omnidirectional antenna for Cellular bands between 2500 MHz and 4200 MHz
- Gain of 2 dBi with dual slant vertical/horizontal polarisation
- For both indoor and outdoor mounting with IP66 rating
- Wall bracket is included. Pole bracket is sold as separate item (9091.99.0274).
- Low loss pigtails with N female connector



| Electrical bands | | | |
|--------------------------|-----------------------|-----------------------|-----------------------|
| | Band 1 | Band 2 | Band 3 |
| Name | Cellular | Cellular | Cellular |
| Frequency (MHz) | 2500 MHz ... 2690 MHz | 3300 MHz ... 3800 MHz | 3800 MHz ... 4200 MHz |
| Impedance | 50 Ω | 50 Ω | 50 Ω |
| VSWR | 2 | 2 | 2 |
| Gain (dBi) | 2 dBi | 2.5 dBi | 2.5 dBi |
| Halfp Beamwidth vertical | 65 ° | 55 ° | 55 ° |
| Isolation between Ports | 30 dB | 30 dB | 30 dB |
| Ambient Temperature | 70 °C | 70 °C | 70 °C |
| Composite Power max | 100 W | 70 W | 60 W |

| Ports | | |
|--------------|------------------------|------------------------|
| | Port 1 | Port 2 |
| Port name | Cellular | Cellular |
| Connector | N, jack (female) | N, jack (female) |
| Cable type | SUCOFORM_122_LA_CU_CMP | SUCOFORM_122_LA_CU_CMP |
| Polarization | vertical | horizontal |

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| Connections | | |
|--------------------|--------|--------|
| Port number | Port 1 | Port 2 |
| Band 1 | ✓ | ✓ |
| Band 2 | ✓ | ✓ |
| Band 3 | ✓ | ✓ |

| Mechanical data | |
|------------------------|------------------------------------|
| Dimensions | 96 mm x 117 mm (Height x Diameter) |

| Interface and material data | |
|------------------------------------|-----------------------|
| Radome colour | RAL 7035 (light-grey) |

| Environmental data | |
|--------------------------------|------------------|
| Operation temperature | -45 °C ... 70 °C |
| Environment (application) | Indoor/Outdoor |
| Ingress protection (IP Rating) | IP66 |

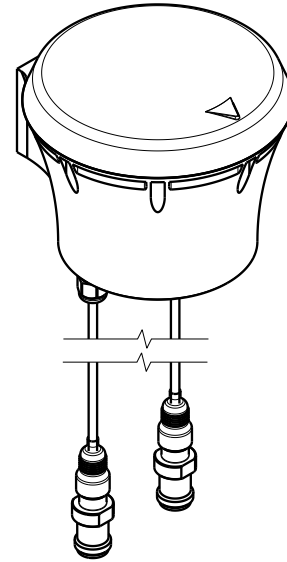
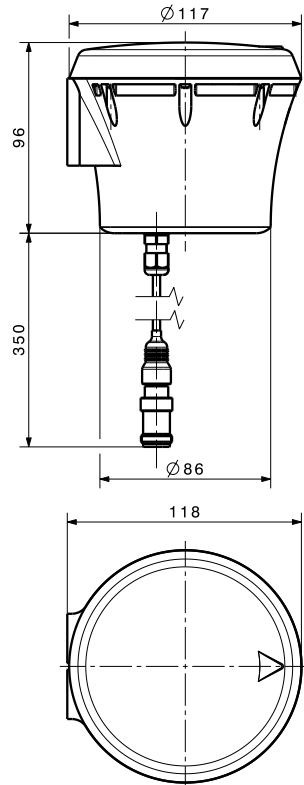
| Environmental remarks |
|--|
| EN 300 019-2-4 4.1E: Salt mist IEC60068-2-11 Ka:35°C/5%NaCl/10d Damp heat (steady state) IEC60068-2-78 Cab 93% +30°C 10d, (cycle) IEC60068-2-30 Db 93%-100% +10°C 2cycles Vibration: IEC60068-2-6 Fc (sinusoidal), IEC60068-2-64 Fh (random) Shocks IEC60068-2-27 Ea Type II and Type L Wind load IEC 60721-3-3 with max wind speed 180Km/h |

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Outline drawing

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| | | | |
|-------------------------------|------------------------------------|-----------------------------|---------|
| type / Typ: 1399.17.0253 | | | |
| dimensions in millimeter [mm] | part no. / Teile Nr.: PRO-00373465 | A sheet/ Blatt XX / XX | |
| description / Beschreibung | | drawing-no. / Zeichnungsnr. | Release |
| Antenna | | DOU-00373465 | A |
| alternative ID: | | | |

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