

Product type designation

Antenna ANT896-4MA

ANT896-4MA mobile wireless antenna for GSM (2G), UMTS (3G) and LTE(4G) networks; Omnidirectional Characteristic, Radially rotatable, with additional joint, Antenna gain: 2 dBi, incl. SMA connector, IP54, (-40-+85°C), Observe national approvals; for direct installation with SMA connection system scope of delivery: 1x ANT 896-4MA, compact instructions as hard copy German/English



Wireless frequencies

| | |
|---------------------------------------|---|
| Type of mobile network / is supported | GSM, UMTS, LTE |
| Operating frequency | 700 MHz, 800 MHz, 850 MHz, 900 MHz, 1575.42 MHz, 1700 MHz, 1800 MHz, 1900 MHz, 2100 MHz, 2200 MHz, 2600 MHz |

Electrical data

| | |
|---|----------------------|
| Impedance | 50 Ω |
| Polarization | linear vertical |
| Radiation characteristic | omnidirectional |
| Antenna gain compared to spherical radiator <ul style="list-style-type: none"> • with linear radiation | 2 dB |
| Standing wave ratio (VSWR) / maximum | 2.5 |
| Radiating angle of the antenna <ul style="list-style-type: none"> • horizontal | 360° |
| Number of electrical connections / of the antenna | 1 |
| Type of electrical connection / of the antenna | SMA Connector |
| Design of plug-in connection | male, variable 0-90° |

Permitted ambient conditions

| | |
|---------------------|--|
| Ambient temperature | |
|---------------------|--|

| | |
|---------------------|----------------|
| • during operation | -40 ... +85 °C |
| Protection class IP | IP54 |

Design, dimensions and weight

| | |
|--------------------------|--------|
| Width | 24 mm |
| Height | 210 mm |
| Net weight | 44 g |
| Mounting type | |
| • flat-roof mounting | No |
| • directly on the device | Yes |

Product properties, functions, components / general

| | |
|--------------------------------|-----|
| Product feature / silicon-free | Yes |
|--------------------------------|-----|

Standards, specifications, approvals

| | |
|----------------------------|--|
| Certificate of suitability | |
| • RoHS conformity | Yes |
| Wireless approval | Current national approvals can be found on the Internet under www.siemens.com/mobilfunkzulassungen |

Further Information / Internet Links

| | |
|---|---|
| Internet-Link | |
| • to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| • to website: Image database | http://automation.siemens.com/bilddb |
| • to website: CAx Download Manager | http://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |

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