

### product type designation



### Antenna ANT897-4ME

ANT897-4ME antenna for public 3/4/5G mobile wireless networks and private 5G networks and WLAN 2.4/5 GHz, worldwide; omnidirectional characteristic; 600..6000 MHz; antenna gain: 2..6 dBi, including N-Connect female connection, IP65; -40..+85 °C; observe national approvals; mounting on wall or mast scope of delivery: 1x ANT 897-4ME, 1x mounting bracket; compact instructions as hard copy German/English,

suitability for operation

antenna for public and private 5G networks as well as WLAN

### radio frequencies

|   |   |
|---|---|
| type of wireless network / is supported                           | 5G public networks, 5G private networks, LTE, UMTS, GSM, WLAN |
| operating frequency / 1   | 617 ... 698 MHz   |
| operating frequency / 2   | 698 ... 960 MHz   |
| operating frequency / 3   | 1427 ... 2700 MHz   |
| operating frequency / 4   | 3400 ... 7000 MHz   |
| antenna gain compared to spherical radiator                       |   |
| • with linear radiation / in operating frequency area 1 / typical | 1 dB  |
| • with linear radiation / in operating frequency area 2 / typical | 2 dB  |
| • with linear radiation / in operating frequency area 3 / typical | 2 dB  |
| • with linear radiation / in operating frequency area 4 / typical | 6 dB  |

### electrical data

|   |                 |
|---|-----------------|
| impedance   | 50 Ω            |
| polarization                                      | linear vertical |
| radiation characteristic                          | omnidirectional |
| standing wave ratio (VSWR) / maximum              | 3               |
| number of electrical connections / of the antenna | 1               |
| type of electrical connection / of the antenna    | N-Connector     |
| design of plug-in connection                      | female          |

### mechanical data

|                    |  |
|--------------------|--|
| material           |  |
| • of the enclosure | Aluminum, chromate-free conversion layer |
| • of outer shell   | ASA                                      |
| color              | black                                    |

### ambient conditions

|                     |                |
|---------------------|----------------|
| ambient temperature |                |
| • during operation  | -40 ... +80 °C |
| • during storage    | -40 ... +80 °C |
| protection class IP | IP65           |

### design, dimensions and weights

|                  |       |
|------------------|-------|
| height           | 82 mm |
| diameter         | 48 mm |
| net weight       | 212 g |
| fastening method |       |
| • mast mounting  | Yes   |

- flat roof mounting
- wall mounting
- roof mounting
- directly on the device

Yes  
Yes  
No  
No

#### product features, product functions, product 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](http://www.siemens.com/mobilfunkzulassungen)

reference code / according to IEC 81346-2:2019 TFB

#### further information / internet links

internet link

- to web page: selection aid TIA 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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