SIEMENS

## Data sheet 6GK5897-4MC00-0AA0

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|---|---|
| **product type designation** | **Antenna ANT897-4MC** |



ANT897-4MC mobile wireless antenna for GSM (2G), UMTS (3G) and for public 3/4/5G mobile wireless networks and private 5G networks worldwide; omnidirectional characteristic; 600..5000 MHz; antenna gain: 2..3dBi, including N-Connect male connection, IP67 -30..+70°C, national approvals to be observed; for direct installation with N-Connect connection system scope of delivery: 1x ANT 897-4MC, compact instructions as hard copy German/English.

| | |
|---|---|
| product brand name | SCALANCE |
| Technical Product Detail Page | https://i.siemens.com/1P6GK5897-4MC00-0AA0 |
| suitability for operation | antenna for 5G/4G/3G/2G networks |
| **radio frequencies** | |
| type of wireless network / is supported | 5G public networks, 5G private networks, LTE, UMTS, GSM |
| operating frequency / 1 | 617 ... 960 MHz |
| operating frequency / 2 | 1452 ... 1496 MHz |
| operating frequency / 3 | 1710 ... 2690 MHz |
| operating frequency / 4 | 3300 ... 5000 MHz |
| **electrical data** | |
| antenna gain compared to spherical radiator | |
| ● with linear radiation / in operating frequency area 1 / typical | 2 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 | 3 dB |
| impedance | 50 Ω |
| polarization | Linear Vertical |
| radiation characteristic | omnidirectional |
| standing wave ratio (VSWR) / maximum | 3.5 |
| radiating angle of the antenna | |
| ● horizontal | 360° |
| number of electrical connections / of the antenna | 1 |
| type of electrical connection / of the antenna | N-Connector |
| design of plug-in connection | male, straight |
| **mechanical data** | |
| material | |
| ● of outer shell | Glass fiber |
| color | black |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -30 ... +70 °C |
| ● during storage | -40 ... +85 °C |
| protection class IP | IP65/67 |
| product feature / resistant to UV radiation | Yes |
| **design, dimensions and weights** | |


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| | |
|---|---|
| height | 132 mm |
| diameter | 24 mm |
| net weight | 96 g |
| fastening method | |
| ● mast mounting | No |
| ● flat roof mounting | No |
| ● wall mounting | No |
| ● roof mounting | No |
| ● directly on the device | Yes |
| **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 |
| **further information / internet links** | |
| internet link | |
| ● to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to website: Mobile radio national approval | https://www.siemens.com/mobile-approvals |
| ● to website: Industrial communication | https://www.siemens.com/simatic-net |
| ● to web page: SiePortal | https://sieportal.siemens.com/ |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |
| **security information** | |
| security information | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7) |

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