SIEMENS

## Data sheet 6GK5897-4MA00-0AA3

| | |
|---|---|
| **product type designation** | **ANT897-4MA antenna** |



ANT897-4MA mobile wireless antenna for public 3G/4G/5G mobile wireless networks and private 5G networks worldwide; omnidirectional characteristic; 600..5000 MHz antenna gain: 1..2dBi, incl. SMA male connection, radial rotatable with additional joint, IP65 (-20... +65 °C), observe national approvals; for direct installation with SMA connection system scope of delivery: 1x ANT 897-4MA, compact instructions as hard copy German/English

| | |
|---|---|
| product brand name | SCALANCE |
| Technical Product Detail Page | https://i.siemens.com/1P6GK5897-4MA00-0AA3 |
| 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 ... 1576 MHz |
| operating frequency / 3 | 1710 ... 2690 MHz |
| operating frequency / 4 | 3300 ... 4200 MHz |
| operating frequency / 5 | 4400 ... 5000 MHz |
| **electrical data** | |
| antenna gain compared to spherical radiator | |
| ● with linear radiation | typical maximum gain |
| ● 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 | 2 dB |
| ● with linear radiation / in operating frequency area 5 / typical | 2 dB |
| impedance | 50 Ω |
| polarization | Linear Vertical |
| radiation characteristic | omnidirectional |
| standing wave ratio (VSWR) / maximum | 3.5 |
| number of electrical connections / of the antenna | 1 |
| type of electrical connection / of the antenna | N-Connector |
| design of plug-in connection | male, variable 0-90° |
| **mechanical data** | |
| material | |
| ● of outer shell | PC |
| color | black |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -20 ... +65 °C |
| ● during storage | -30 ... +70 °C |
| protection class IP | IP65 |


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| **design, dimensions and weights** | |
| width | 35 mm |
| height | 160 mm |
| depth | 13 mm |
| net weight | 27 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 |
| ● internet link / to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● internet link / to website: Mobile radio national approval | https://www.siemens.com/mobile-approvals |
| ● internet link / to website: Industrial communication | https://www.siemens.com/simatic-net |
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| ● internet link / to website: Industry Online Support | https://support.industry.siemens.com |
| **security information** | |
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