SIEMENS

## Data sheet 6NH9860-1AA00

**product type designation**

**Antenna ANT794-4MR**

ANT794-4MR mobile wireless antenna for 2G/3G/4G EU, GSM/UMTS/ LTE EU networks, rod antenna; omnidirectional; weatherproof for indoors and outdoors; 5 m connection cable permanently connected to the antenna; SMA connector; national approval and data sheet to be observed; scope of supply: 1 antenna, 1 mounting bracket, screws, screw anchors.



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|---|---|
| Technical Product Detail Page | https://i.siemens.com/1P6NH9860-1AA00 |
| suitability for operation | for indoor and outdoor applications |
| **radio frequencies** | |
| type of wireless network / is supported | LTE, UMTS, GSM |
| operating frequency / 1 | 790 ... 960 MHz |
| operating frequency / 2 | 1710 ... 2170 MHz |
| operating frequency / 3 | 2400 ... 2690 MHz |
| **electrical data** | |
| antenna gain | 0 dB |
| impedance | 50 Ω |
| polarization | Linear Vertical |
| radiation characteristic | omnidirectional |
| standing wave ratio (VSWR) / maximum | 2 |
| number of electrical connections / of the antenna | 1 |
| type of electrical connection / of the antenna | SMA Connector |
| design of plug-in connection | male |
| **mechanical data** | |
| material | |
| ● of outer shell | Hard PVC, UV-resistant |
| ● of cable sheath | PVC |
| color / of cable sheath | Black |
| bending radius | |
| ● with single bend / minimum permissible | 42 mm |
| ● with multiple bends / minimum permissible | 83 mm |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -40 ... +85 °C |
| protection class IP | IP54 |
| product feature / resistant to UV radiation | Yes |
| **design, dimensions and weights** | |
| width | 25 mm |
| height | 193 mm |
| depth | 25 mm |
| diameter | 25 mm |
| net weight | 310 g |
| fastening method | mounting brackets and mounting parts, vertical mounting |
| fastening method | |
| ● mast mounting | Yes |


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| | |
|---|---|
| ● flat roof mounting | No |
| ● wall mounting | Yes |
| ● roof mounting | No |
| ● directly on the device | No |
| cable designation | Li02YS-St-C-Y 1 |
| wire length / of antenna cable | 5 m |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● RoHS conformity | Yes |
| **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 |
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