

### product type designation



### Antenna ANT896-4ME

ANT896-4ME mobile wireless antenna for GSM (2G), UMTS (3G) and LTE(4G) Networks, Omnidirectional Characteristic, including N-Connect female connection 3 dBi; IP66 (-40-+70 °C), observe national approvals; mounting on control cabinet; scope of delivery: 1x ANT 896-4ME, compact instructions as hard copy German/English;

### radio frequencies

type of wireless network / is supported	LTE, UMTS, GSM
operating frequency / 1	698 ... 960 MHz
operating frequency / 2	1710 ... 2700 MHz

### electrical data

antenna gain compared to spherical radiator	typical maximum gain without connecting cable
<ul style="list-style-type: none"> <li>with linear radiation</li> </ul>	3 dB
<ul style="list-style-type: none"> <li>with linear radiation / in operating frequency area 1 / typical</li> </ul>	
<ul style="list-style-type: none"> <li>with linear radiation / in operating frequency area 2 / typical</li> </ul>	3 dB
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	omnidirectional
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
<ul style="list-style-type: none"> <li>horizontal</li> </ul>	360°
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	female

### ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-40 ... +70 °C
protection class IP	IP66

### design, dimensions and weights

height	61 mm
diameter	38.1 mm
net weight	220 g
fastening method	
<ul style="list-style-type: none"> <li>flat roof mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>roof mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>directly on the device</li> </ul>	No

### product features, product functions, product components / general

product feature / silicon-free	Yes
--------------------------------	-----

### standards, specifications, approvals

certificate of suitability	
<ul style="list-style-type: none"> <li>RoHS conformity</li> </ul>	Yes
wireless approval	Current national approvals can be found on the Internet under <a href="http://www.siemens.com/mobilfunkzulassungen">www.siemens.com/mobilfunkzulassungen</a>
reference code / according to IEC 81346-2:2019	TFB

## further information / internet links

### internet link

- to website: Selection guide for cables and connectors
- to web page: selection aid TIA Selection Tool
- to website: Mobile radio national approval
- to website: Industrial communication
- to web page: SiePortal
- to website: Image database
- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://support.industry.siemens.com/cs/ww/en/view/109766358>  
<https://www.siemens.com/tstcloud>  
<https://www.siemens.com/mobile-approvals>  
<https://www.siemens.com/simatic-net>  
<https://sieportal.siemens.com/>  
<https://www.automation.siemens.com/bilddb>  
<https://www.siemens.com/cax>  
<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](https://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)

### last modified:

5/24/2025 