

### 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,

Technical Product Detail Page	<a href="https://l.siemens.com/1P6GK5897-4ME00-0AA0">https://l.siemens.com/1P6GK5897-4ME00-0AA0</a>
suitability for operation	antenna for 5G/4G/3G/2G networks & IWLAN
<b>radio frequencies</b>	
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	3300 ... 7125 MHz
<b>electrical data</b>	
antenna gain compared to spherical radiator	typical max. gain, measured on supplied holder
<ul style="list-style-type: none"> <li>with linear radiation</li> </ul>	1 dB
<ul style="list-style-type: none"> <li>with linear radiation / in operating frequency area 1 / typical</li> </ul>	2 dB
<ul style="list-style-type: none"> <li>with linear radiation / in operating frequency area 2 / typical</li> </ul>	2 dB
<ul style="list-style-type: none"> <li>with linear radiation / in operating frequency area 3 / typical</li> </ul>	7 dB
<ul style="list-style-type: none"> <li>with linear radiation / in operating frequency area 4 / typical</li> </ul>	
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
<b>mechanical data</b>	
material	Aluminum, chromate-free conversion layer
<ul style="list-style-type: none"> <li>of the enclosure</li> </ul>	ASA
<ul style="list-style-type: none"> <li>of outer shell</li> </ul>	
color	black
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-40 ... +80 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +80 °C
protection class IP	IP65
<b>design, dimensions and weights</b>	
height	82 mm
diameter	48 mm

net weight	212 g
fastening method	
<ul style="list-style-type: none"> <li>• mast mounting</li> <li>• flat roof mounting</li> <li>• wall mounting</li> <li>• roof mounting</li> <li>• directly on the device</li> </ul>	<ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>No</li> <li>No</li> </ul>
<b>product features, product functions, product components / general</b>	
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
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>
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Mobile radio national approval</li> <li>• to website: Industrial communication</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<ul style="list-style-type: none"> <li><a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a></li> <li><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></li> <li><a href="https://www.siemens.com/mobile-approvals">https://www.siemens.com/mobile-approvals</a></li> <li><a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a></li> <li><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a></li> <li><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a></li> <li><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a></li> <li><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></li> </ul>
<b>security information</b>	
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 <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . 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 <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7)

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