

product type designation



Antenna ANT896-4MA

ANT896-4MA mobile wireless antenna for GSM (2G), UMTS (3G) and LTE(4G) networks; Omnidirectional Characteristic, Radially rotatable, with additional joint, Antenna gain: 2 dBi, incl. SMA plug, IP54, (-40-+85 °C), observe national approvals; for direct installation with SMA connection system; scope of delivery: 1x ANT 896-4MA, compact instructions as hard copy German/English.

Technical Product Detail Page

<https://l.siemens.com/1P6GK5896-4MA00-0AA3>

radio frequencies

type of wireless network / is supported	LTE, UMTS, GSM
operating frequency / 1	698 ... 960 MHz
operating frequency / 2	1575.42 MHz
operating frequency / 3	1710 ... 2700 MHz

electrical data

antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> with linear radiation 	typical gain
<ul style="list-style-type: none"> with linear radiation / in operating frequency area 1 / typical 	2 dB
<ul style="list-style-type: none"> with linear radiation / in operating frequency area 2 / typical 	2 dB
<ul style="list-style-type: none"> with linear radiation / in operating frequency area 3 / typical 	2 dB
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	omnidirectional
standing wave ratio (VSWR) / maximum	2.5
radiating angle of the antenna	
<ul style="list-style-type: none"> horizontal 	360°
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	SMA Connector
design of plug-in connection	male, variable 0-90°

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> during operation 	-40 ... +85 °C
protection class IP	IP54

design, dimensions and weights

width	24 mm
height	210 mm
net weight	44 g
fastening method	
<ul style="list-style-type: none"> flat roof mounting 	No
<ul style="list-style-type: none"> directly on the device 	Yes

product features, product functions, product components / general

product feature / silicon-free	Yes
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standards, specifications, approvals

certificate of suitability	
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<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> 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
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security information	<p>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)</p>

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