SIEMENS

Data sheet 6GK5896-4MA00-0AA3

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.

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	
● with linear radiation	typical gain
● with linear radiation / in operating frequency area 1 / typical	2 dB
● with linear radiation / in operating frequency area 2 / typical	2 dB
● 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	
● 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	
● 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	
● flat 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
reference code / according to IEC 81346-2:2019	TFB
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
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. 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)

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