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 / 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

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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 — http://www.siemens.com/cax
- ● to website: Industry Online Support — https://support.industry.siemens.com

security information

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