

### 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 connector, 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	GSM, UMTS, LTE
operating frequency	700 MHz, 800 MHz, 850 MHz, 900 MHz, 1575.42 MHz, 1700 MHz, 1800 MHz, 1900 MHz, 2100 MHz, 2200 MHz, 2600 MHz
electrical data	
impedance	50 Ω
polarization	linear vertical
radiation characteristic	omnidirectional
antenna gain compared to spherical radiator	
• with linear radiation	2 dB
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 <a href="http://www.siemens.com/mobilfunkzulassungen">www.siemens.com/mobilfunkzulassungen</a>
further information / internet-Links	
Internet-Link	

- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>  
<http://www.siemens.com/simatic-net>  
<https://mall.industry.siemens.com>  
<http://www.siemens.com/industry/infocenter>  
<http://automation.siemens.com/bilddb>  
<http://www.siemens.com/cax>  
<https://support.industry.siemens.com>

**last modified:**

12/16/2020 