

product type designation



ANT897-4MA antenna

ANT897-4MA mobile wireless antenna for public 3G/4G/5G mobile wireless networks and private 5G networks worldwide; omnidirectional characteristic; 600..5000 MHz antenna gain: 1..2dBi, incl. SMA male connection, radial rotatable with additional joint, IP65 (-20... +65 °C), observe national approvals; for direct installation with SMA connection system scope of delivery: 1x ANT 897-4MA, compact instructions as hard copy German/English

suitability for operation

Cellular antenna for public and private 5G networks

radio frequencies

type of wireless network / is supported	5G public networks, 5G private networks, LTE, UMTS, GSM
operating frequency / 1	617 ... 960 MHz
operating frequency / 2	1452 ... 1576 MHz
operating frequency / 3	1710 ... 2690 MHz
operating frequency / 4	3300 ... 4200 MHz
operating frequency / 5	4400 ... 5000 MHz
antenna gain compared to spherical radiator	
• with linear radiation / in operating frequency area 1 / typical	1 dB
• with linear radiation / in operating frequency area 2 / typical	2 dB
• with linear radiation / in operating frequency area 3 / typical	2 dB
• with linear radiation / in operating frequency area 4 / typical	2 dB
• with linear radiation / in operating frequency area 5 / typical	2 dB

electrical data

impedance	50 Ω
polarization	linear vertical
radiation characteristic	omnidirectional
standing wave ratio (VSWR) / maximum	3.5
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	male, variable 0-90°

mechanical data

color	black
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ambient conditions

ambient temperature	
• during operation	-20 ... +65 °C
• during storage	-30 ... +70 °C
protection class IP	IP65

design, dimensions and weights

width	35 mm
height	160 mm
depth	13 mm
net weight	27 g
fastening method	

- mast mounting
- flat roof mounting
- wall mounting
- roof mounting
- directly on the device

No
No
No
No
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 web page: selection aid TIA Selection Tool <http://www.siemens.com/snst>
 - to website: Industrial communication <http://www.siemens.com/simatic-net>
 - to website: Industry Mall <https://mall.industry.siemens.com>
 - to website: Information and Download Center <http://www.siemens.com/industry/infocenter>
 - to website: Image database <http://automation.siemens.com/bilddb>
 - to website: CAx-Download-Manager <http://www.siemens.com/cax>
 - to website: Industry Online Support <https://support.industry.siemens.com>

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