SIEMENS

Data sheet 6GK5897-4MA00-0AN3

product type designation



ANT897-4MA antenna

ANT897-4MA antenna for 5G/4G/3G/2G networks in frequency range of 600..5000 MHz; omnidirectional characteristic ; antenna gain: 1..2 dBi; including SMA male connection; radially rotatable with additional joint; IP30; -20..+65 °C; exact specification and national approvals to be observed; for direct installation with SMA connection system; scope of supply: 4x ANT 897-4MA,

product brand name	SCALANCE
Technical Product Detail Page	https://i.siemens.com/1P6GK5897-4MA00-0AN3
suitability for operation	antenna for 5G/4G/3G/2G 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
electrical data	
antenna gain compared to spherical radiator	
● with linear radiation	typical maximum gain
● 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
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	
material	
● of outer shell	PC
color	black
ambient conditions	
ambient temperature	
● during operation	-20 ... +65 °C
● during storage	-30 ... +70 °C
protection class IP	IP65

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design, dimensions and weights	
width	35 mm
height	160 mm
depth	13 mm
net weight	27 g
fastening method	
● mast mounting	No
● flat roof mounting	No
● wall mounting	No
● 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
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	
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