

product type designation		Antenna ANT897-4MC
		ANT897-4MC mobile wireless antenna for GSM (2G), UMTS (3G) and for public 3/4/5G mobile wireless networks and private 5G networks worldwide; omnidirectional characteristic; 600..5000 MHz; antenna gain: 2..3dBi, including N-Connect male connection, IP67 -30..+70°C, national approvals to be observed; for direct installation with N-Connect connection system scope of delivery: 1x ANT 897-4MC, 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 ... 1496 MHz	
operating frequency / 3	1710 ... 2690 MHz	
operating frequency / 4	3300 ... 5000 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	
• with linear radiation / in operating frequency area 4 / typical	3 dB	
impedance	50 Ω	
polarization	Linear Vertical	
radiation characteristic	omnidirectional	
standing wave ratio (VSWR) / maximum	3.5	
radiating angle of the antenna		
• horizontal	360°	
number of electrical connections / of the antenna	1	
type of electrical connection / of the antenna	N-Connector	
design of plug-in connection	male, straight	
mechanical data		
material		
• of outer shell	Glass fiber	
color	black	
ambient conditions		
ambient temperature		
• during operation	-30 ... +70 °C	
• during storage	-40 ... +85 °C	
protection class IP	IP65/67	
product feature / resistant to UV radiation	Yes	
design, dimensions and weights		
height	132 mm	
diameter	24 mm	
net weight	96 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
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	
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