

product type designation



Antenna ANT897-4ME

ANT897-4ME antenna for public 3/4/5G mobile wireless networks and private 5G networks and WLAN 2.4/5 GHz, worldwide; omnidirectional characteristic; 600..6000 MHz; antenna gain: 2..6 dBi, including N-Connect female connection, IP65; -40..+85 °C; observe national approvals; mounting on wall or mast scope of delivery: 1x ANT 897-4ME, 1x mounting bracket; compact instructions as hard copy German/English,

suitability for operation

antenna for public and private 5G networks as well as WLAN

radio frequencies

type of wireless network / is supported	5G public networks, 5G private networks, LTE, UMTS, GSM, WLAN
operating frequency / 1	617 ... 698 MHz
operating frequency / 2	698 ... 960 MHz
operating frequency / 3	1427 ... 2700 MHz
operating frequency / 4	3300 ... 7125 MHz

electrical data

antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> with linear radiation / in operating frequency area 1 / typical 	1 dB
<ul style="list-style-type: none"> with linear radiation / in operating frequency area 2 / typical 	2 dB
<ul style="list-style-type: none"> with linear radiation / in operating frequency area 3 / typical 	2 dB
<ul style="list-style-type: none"> with linear radiation / in operating frequency area 4 / typical 	7 dB
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	omnidirectional
standing wave ratio (VSWR) / maximum	3
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	female

mechanical data

material	
<ul style="list-style-type: none"> of the enclosure 	Aluminum, chromate-free conversion layer
<ul style="list-style-type: none"> of outer shell 	ASA
color	black

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> during operation 	-40 ... +80 °C
<ul style="list-style-type: none"> during storage 	-40 ... +80 °C
protection class IP	IP65

design, dimensions and weights

height	82 mm
diameter	48 mm
net weight	212 g
fastening method	
<ul style="list-style-type: none"> mast mounting 	Yes

<ul style="list-style-type: none"> • flat roof mounting • wall mounting • roof mounting • directly on the device 	<p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p>
product features, product functions, product components / general	
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Mobile radio national approval • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	<p>https://support.industry.siemens.com/cs/ww/en/view/109766358</p> <p>https://www.siemens.com/tstcloud</p> <p>https://www.siemens.com/mobile-approvals</p> <p>https://www.siemens.com/simatic-net</p> <p>https://sieportal.siemens.com/</p> <p>https://www.automation.siemens.com/bilddb</p> <p>https://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
security information	
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