



ANT897-5FF antenna for private 5G mobile networks with 4 antenna elements and weak directional effect 3400.. 4200 MHz; antenna gain: 9 dBi, including 4xN-Connect female connection IP66; -40..+80 °C; observe national approvals; scope of delivery: 1x ANT897-5FF, fixing accessories for mounting on mast and rail, information sheet en/de

suitability for operation	antenna for local, private 5G campus networks
radio frequencies	
type of wireless network / is supported	5G private networks
operating frequency / 1	3400 ... 4200 MHz
electrical data	
antenna gain compared to spherical radiator <ul style="list-style-type: none"> with linear radiation / in operating frequency area 1 / typical 	9 dB
impedance	50 Ω
polarization	2x linear horizontal, 2x linear vertical
radiation characteristic	Sector antenna
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna <ul style="list-style-type: none"> horizontal vertical 	for 3.6 GHz 56° 52°
number of electrical connections / of the antenna	4
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 outer shell 	Lexan EXL 9330
color	white
ambient conditions	
ambient temperature <ul style="list-style-type: none"> during operation during storage 	-40 ... +80 °C -40 ... +80 °C
protection class IP	IP66
design, dimensions and weights	
width	188 mm
height	168 mm
depth	193 mm
net weight	1250 g
fastening method <ul style="list-style-type: none"> mast mounting flat roof mounting wall mounting roof mounting directly on the device 	Yes No No No No
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 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/mobile-approvals https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
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