

product type designation



Antenna ANT795-6MN

ANT795-6MN antenna with omnidirectional Characteristic; incl. N-Connect female plug; 6/8 dBi; IP65 (-40-+70 °C), WLAN 2.4/5 GHz and private 5G networks; Wi-Fi compliance and observe national approvals; mounting on roof and vehicles; compact instructions as hard copy German/English; scope of delivery: 1x ANT795-6MN, for mounting, the mounting aid 6GK5795-6MN01-0AA6 is available.

radio frequencies

type of wireless network / is supported	5G private networks, WLAN
operating frequency / 1	2400 ... 2700 MHz
operating frequency / 2	3400 ... 3800 MHz
operating frequency / 3	4900 ... 5925 MHz
operating frequency / 4	5925 ... 7125 MHz
operating frequency	
• for WLAN in 2.4 GHz frequency band	2.4 ... 2.7 GHz
• for WLAN in 5 GHz frequency band 1	4.9 ... 5.92 GHz

electrical data

antenna gain compared to spherical radiator	
• with linear radiation / in operating frequency area 1 / typical	6 dB
• with linear radiation / in operating frequency area 2 / typical	6 dB
• with linear radiation / in operating frequency area 3 / typical	8 dB
• with linear radiation / in operating frequency area 4 / typical	8 dB
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	omnidirectional
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	take the antenna diagram into account regarding the horizontal beam angle
• horizontal	360°
• in the 5 GHz frequency band / horizontal	150°
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	female
angle of inclination / downward / maximum	0°

mechanical data

material	
• of outer shell	Polycarbonate

ambient conditions

ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
protection class IP	IP65; with correct installation
wind load / maximum	10 N; at 160 km/h

design, dimensions and weights	
width	86 mm
height	43 mm
depth	86 mm
net weight	300 g
fastening method	
• mast mounting	No
• flat roof mounting	Yes
• wall mounting	Yes
• roof mounting	Yes
• directly on the device	No
product features, product functions, product components / general	
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	Railway application in accordance with NF-F-16-101, NF-F-16-102
certificate of suitability	
• RoHS conformity	Yes
• railway application in accordance with EN 50155	Yes
• fire protection in accordance with EN 45545-2	Yes
Marine classification association / Korean Register of Shipping (KRS)	Yes
product conformity	UL 94-V0
wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen
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 web page: WLAN country approval	https://www.siemens.com/wireless-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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