SIEMENS

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
antenna gain compared to spherical radiator	
● of the WLAN antenna / in the 2.4 GHz frequency band	6 dB
● of the WLAN antenna / in the 5 GHz frequency band	8 dB

electrical data

impedance	50 Ω
polarization	linear vertical
radiation characteristic	omnidirectional
antenna gain compared to spherical radiator	
● of the WLAN antenna / in the 2.4 GHz frequency band	6 dB
● of the WLAN antenna / in the 5 GHz frequency band	8 dB
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
● horizontal	360°
● in the 5 GHz frequency band / horizontal	150°
● in the 5 GHz frequency band / vertical	take the antenna diagram into account regarding the horizontal beam angle
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
wind load / maximum	10 N; at 160 km/h

design, dimensions and weights

width	86 mm

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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 web page: selection aid TIA Selection Tool	http://www.siemens.com/snst
● to website: Industrial communication	http://www.siemens.com/simatic-net
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx-Download-Manager	http://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

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