

### 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
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
<b>product features, product functions, product components / general</b>	
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
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 <a href="http://www.siemens.com/funkzulassungen">www.siemens.com/funkzulassungen</a>
reference code	
• according to IEC 81346-2	TF
• according to IEC 81346-2:2019	TFB
<b>further information / internet-Links</b>	
Internet-Link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>last modified:</b>	11/3/2021 