

Product type designation

Antenna ANT795-6MN

ANT795-6MN IWLAN antenna with omnidirectional Characteristic; incl. N-Female connector: 6/8 dBi; IP65 (-40+70°C), 2.4/5 GHz; Wi-Fi compliance and Observe national approvals mounting on roof and vehicles; compact instructions as hard copy English/German; scope of delivery: 1x ANT795-6MN, 1x terminating resistor TI795-1R for mounting, the mounting aid 6GK5795-6MN01-0AA6 is available



Wireless frequencies

Type of mobile network / is supported	WLAN
Operating frequency	
<ul style="list-style-type: none"> • for WLAN in 2.4 GHz frequency band 	2.4 ... 2.7 GHz
<ul style="list-style-type: none"> • for WLAN in 5 GHz frequency band 2 	4.9 ... 5.935 GHz

Electrical data

Impedance	50 Ω
Polarization	linear vertical
Radiation characteristic	omnidirectional
Antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> • of the WLAN antenna / in the 2.4 GHz frequency band 	6 dB
<ul style="list-style-type: none"> • of the WLAN antenna / in the 5 GHz frequency band 	8 dB
Standing wave ratio (VSWR) / maximum	1.8
Radiating angle of the antenna	
<ul style="list-style-type: none"> • in the 2.4 GHz frequency band / horizontal 	360°
<ul style="list-style-type: none"> • in the 5 GHz frequency band / horizontal 	150°

Opening angle / Note	Note the antenna diagram regarding 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	
<ul style="list-style-type: none"> of outer shell 	Polycarbonate

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	-40 ... +80 °C
Protection class IP	IP65
Wind load / maximum	10 N; at 160 km/h

Design, dimensions and weight

Width	86 mm
Height	43 mm
Depth	86 mm
Net weight	300 g
Mounting type	
<ul style="list-style-type: none"> mast mounting wall mounting roof mounting directly on the device 	No Yes Yes No

Product properties, functions, components / general

Product feature / silicon-free	Yes
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Standards, specifications, approvals

Certificate of suitability	Railway application in accordance with NF-F-16-101, NF-F-16-102
Certificate of suitability	
<ul style="list-style-type: none"> RoHS conformity Railway application in accordance with EN 50155 Fire protection in accordance with EN 45545-2 	Yes Yes Yes
Product conformity	UL 94-V0
Wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen

Further Information / Internet Links

Internet-Link	
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- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

last modified:

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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