

product type designation



Antenna ANT795-6MP

ANT795-6MP WLAN antenna with omnidirectional characteristic; incl. N-Female plug; 5/7 dBi; IP65/67 (-40-+80 °C); 2.4/5 GHz Wi-Fi compliance and observe national approvals; mounting on wall or mast; compact instructions on German/English scope of delivery: 1x ANT795-6MP, 1x mounting aid.

radio frequencies

type of wireless network / is supported	WLAN
operating frequency	
• for WLAN in 2.4 GHz frequency band	2.4 ... 2.5 GHz
• for WLAN in 5 GHz frequency band 1	4.94 ... 5.925 GHz
antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 2.4 GHz frequency band	5 dB
• of the WLAN antenna / in the 5 GHz frequency band	7 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	5 dB
• of the WLAN antenna / in the 5 GHz frequency band	7 dB
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
• in the 2.4 GHz frequency band / horizontal	360°
• in the 2.4 GHz frequency band / vertical	25°
• in the 5 GHz frequency band / horizontal	360°
• in the 5 GHz frequency band / vertical	15°; 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	UV-resistant white plastic

ambient conditions

ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
protection class IP	IP65/67
wind load / maximum	19.6 N
resistance to salt-laden atmosphere / conformity according to EN 60068-2-52	Yes; Severity 1

design, dimensions and weights

width	97 mm
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height	367 mm; incl. bracket
depth	64 mm
diameter	28.6 mm
net weight	140 g
fastening method	
• mast mounting	Yes
• wall mounting	Yes
• roof mounting	No
• directly on the device	No
product features, product functions, product components / general	
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	
• RoHS conformity	Yes
product conformity	UL 94-HB
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
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last modified:

4/28/2023 

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