

Product type designation



Antenna ANT795-6DC

IWLAN ANTENNA ANT 795-6DC WITH WEAK DIRECTIONAL EFFICIENCY INCL. N-FEMALE CONNECTOR: 9 DBI IP67 (-40-+80DGR C), 2.4/5GHZ WI-FI COMPLIANCE AND PLEASE NOTE NATIONAL APPROVALS MOUNTING ON WALL OR MAST COMPACT MANUAL ON PAPER GERMAN / ENGLISH SCOPE OF SUPPLY: 1X ANT795-6DC, 1X MOUNTING SUPPORT FOR ADJUSTMENT

Wireless frequencies

Operating frequency

- for WLAN in 2.4 GHz frequency band
- for WLAN in 5 GHz frequency band 1

2.4 ... 2.5 GHz
5.15 ... 5.875 GHz

Electrical data

Impedance	50 Ω
Polarization	linear vertical
Radiation characteristic	directional
Antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> • of the WLAN antenna / in the 2.4 GHz frequency band 	9 dB
<ul style="list-style-type: none"> • of the WLAN antenna / in the 5 GHz frequency band 	9 dB
Standing wave ratio (VSWR) / maximum	2
Radiating angle of the antenna	
<ul style="list-style-type: none"> • in the 2.4 GHz frequency band / horizontal 	75°
<ul style="list-style-type: none"> • in the 2.4 GHz frequency band / vertical 	55°
<ul style="list-style-type: none"> • in the 5 GHz frequency band / horizontal 	55°
<ul style="list-style-type: none"> • in the 5 GHz frequency band / vertical 	55°
Type of electrical connection / of the antenna	N-Connector
Design of plug-in connection	female
Angle of inclination / downward / maximum	0°
Crosstalk attenuation / between the antenna connections	25 dB

Front-to-back ratio	15 dB
Transmit power / maximum	10 W; at 25° ambient temperature

Mechanical data

Material	
<ul style="list-style-type: none"> of outer shell 	Lexan EXL 9330

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	-40 ... +80 °C
Protection class IP	IP67
Wind load / maximum	15 N; at 160 km/h

Design, dimensions and weight

Width	80 mm
Height	101 mm
Depth	35 mm
Net weight	110 g
Mounting type	
<ul style="list-style-type: none"> mast mounting wall mounting roof mounting directly on the device 	Yes Yes No No

Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> RoHS conformity 	Yes
Wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> 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 	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/automation/net/catalog http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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