

product type designation



Antenna ANT795-6DC

ANT795-6DC IWLAN antenna with weak directional effect; incl. N-female plug: 9 dBi; IP66/67 (-40-+80 °C), 2.4/5GHz; Wi-Fi compliance and observe national approvals; mounting on wall or mast compact instructions as hard copy German/English; scope of delivery: 1x ANT795-6DC, 1x mounting aid for alignment .

| radio frequencies | |
|--|--|
| type of wireless network / is supported | WLAN |
| operating frequency | |
| <ul style="list-style-type: none"> 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 |
| antenna gain compared to spherical radiator | |
| <ul style="list-style-type: none"> of the WLAN antenna / in the 2.4 GHz frequency band of the WLAN antenna / in the 5 GHz frequency band | 9 dB 9 dB |
| electrical data | |
| impedance | 50 Ω |
| polarization | linear vertical |
| radiation characteristic | Sector antenna |
| antenna gain compared to spherical radiator | |
| <ul style="list-style-type: none"> of the WLAN antenna / in the 2.4 GHz frequency band of the WLAN antenna / in the 5 GHz frequency band | 9 dB 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 in the 2.4 GHz frequency band / vertical in the 5 GHz frequency band / horizontal in the 5 GHz frequency band / vertical | 75° 55° 55° 55° |
| 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° |
| crosstalk attenuation / between the antenna connections | 25 dB |
| front-to-back ratio | 15 dB |
| mechanical data | |
| material | |
| <ul style="list-style-type: none"> of outer shell | Lexan EXL 9330 |
| ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> during operation during storage during transport | -40 ... +80 °C -40 ... +80 °C -40 ... +80 °C |
| protection class IP | IP66/67 |
| wind load / maximum | 15 N; at 160 km/h |
| design, dimensions and weights | |

| | |
|--|--|
| width | 80 mm |
| height | 101 mm |
| depth | 35 mm |
| net weight | 110 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 |
| • 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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