


### 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>  |
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