

**Product type designation**

Antenna ANT795-6MN



IWLAN ANTENNA ANT 795-6MN WITH OMNIDIRECTIONAL CHARACTERISTIC INCL. N-FEMALE CONNECTOR: 6/8 DBI; IP65 (-40-+70 DGR C), 2.4/5GHZ; WI-FI COMPLIANCE AND NATIONAL APPROVALS; MOUNTING ON ROOF AND VEHICLES; COMPACT MANUAL ON PAPER GERMAN / ENGLISH; SCOPE OF SUPPLY: 1X ANT795-6MN, 1X TERMINATING RESISTANCE TI795-1R FOR MOUNTING USE MOUNTING SUPPORT 6GK5795-6MN01-0AA6

**Wireless frequencies**

[nicht versorgt: PMD\_ABU240\_001\_000]

- [nicht versorgt: PMD\_ABM883\_001\_000]

•

2.4 GHz

•

2.7 GHz

- [nicht versorgt: PMD\_ABU240\_001\_000]

•

3.4 GHz

•

3.7 GHz

- [nicht versorgt: PMD\_ABU242\_001\_000]

•

4.9 GHz

•

5.935 GHz

**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

- in the 5 GHz frequency band

8 dB

Standing wave ratio (VSWR) / maximum

1.8

Beam angle of antenna	
<ul style="list-style-type: none"> <li>in the 2.4 GHz frequency band <ul style="list-style-type: none"> <li>horizontal</li> </ul> </li> <li>in the 5 GHz frequency band <ul style="list-style-type: none"> <li>horizontal</li> </ul> </li> </ul>	360 °
Opening angle / Note	Note the antenna diagram regarding horizontal beam angle
Design of the electrical connection / of the antenna	N-Connector
Angle of inclination / downward / maximum	0 °
Transmit power / maximum	75 W
Transmit power / Note	at 25° ambient temperature
Range / with clear line of sight / without disturbance	200 m
Range / Note	Remark: the distance can be much less and is depending on the space around, on the wireless standard in use, on the data rate and on the antenna installed on the partner station
Design of plug-in connection	female
<b>Permitted ambient conditions</b>	
Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-40 ... +80 °C
Protection class IP	IP65
Wind load	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	10 N
<b>Design, dimensions and weight</b>	
Width	86 mm
Height	43 mm
Depth	86 mm
Net weight	300 g
Mounting type	
<ul style="list-style-type: none"> <li>mast mounting</li> <li>wall mounting</li> <li>roof mounting</li> <li>directly on the device</li> </ul>	No Yes Yes No
Product property / silicon-free	Yes
Material / of outer shell	Polycarbonate
<b>Standards, specifications, approvals</b>	
Certificate of suitability	Railway application in accordance with NF-F-16-101, NF-F-16-102
<ul style="list-style-type: none"> <li>RoHS conformity</li> <li>Railway application in accordance with EN 50124-1</li> <li>Railway application in accordance with EN 50155</li> </ul>	Yes Yes Yes

Wireless approval

Current national approvals can be found on the Internet under  
[www.siemens.com/funkzulassungen](http://www.siemens.com/funkzulassungen)

## Further Information / Internet Links

### Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- 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>

<http://www.siemens.com/automation/net/catalog>

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

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

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

**letzte Änderung:**

Dec 15, 2014