

### 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

#### Operating frequency

- |                                      |                   |
|--------------------------------------|-------------------|
| • for WLAN in 2.4 GHz frequency band | 2.4 ... 2.7 GHz   |
| • for WLAN in 5 GHz frequency band 1 | 3.4 ... 3.7 GHz   |
| • for WLAN in 5 GHz frequency band 2 | 4.9 ... 5.935 GHz |

### Electrical data

Impedance	50 $\Omega$
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	1.8
Radiating angle of the antenna	
• in the 2.4 GHz frequency band / horizontal	360°
• in the 5 GHz frequency band / horizontal	150°
Opening angle / Note	Note the antenna diagram regarding horizontal beam angle
Type of electrical connection / of the antenna	N-Connector
Design of plug-in connection	female
Angle of inclination / downward / maximum	0°
Transmit power / maximum	75 W; at 25° ambient temperature

Range / with clear line of sight / without disturbance	200 m; 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
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### Mechanical data

Material	
<ul style="list-style-type: none"> <li>of outer shell</li> </ul>	Polycarbonate

### Permitted ambient conditions

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 / maximum	10 N; at 160 km/h

### Design, dimensions and weight

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 properties, functions, components / general

Product property / silicon-free	Yes
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### Standards, specifications, approvals

Certificate of suitability	Railway application in accordance with NF-F-16-101, NF-F-16-102
Certificate of suitability	
<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 <a href="http://www.siemens.com/funkzulassungen">www.siemens.com/funkzulassungen</a>

### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> <li>to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a> <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>

- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<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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