

### 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

Type of mobile network / is supported	WLAN
Operating frequency	
<ul style="list-style-type: none"> <li>• for WLAN in 2.4 GHz frequency band</li> </ul>	2.4 ... 2.5 GHz
<ul style="list-style-type: none"> <li>• for WLAN in 5 GHz frequency band 1</li> </ul>	5.15 ... 5.875 GHz

### Electrical data

Impedance	50 $\Omega$
Polarization	linear vertical
Radiation characteristic	directional
Antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> <li>• of the WLAN antenna / in the 2.4 GHz frequency band</li> </ul>	9 dB
<ul style="list-style-type: none"> <li>• of the WLAN antenna / in the 5 GHz frequency band</li> </ul>	9 dB
Standing wave ratio (VSWR) / maximum	2
Radiating angle of the antenna	
<ul style="list-style-type: none"> <li>• in the 2.4 GHz frequency band / horizontal</li> </ul>	75°
<ul style="list-style-type: none"> <li>• in the 2.4 GHz frequency band / vertical</li> </ul>	55°

<ul style="list-style-type: none"> <li>• in the 5 GHz frequency band / horizontal</li> </ul>	55°
<ul style="list-style-type: none"> <li>• in the 5 GHz frequency band / vertical</li> </ul>	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"> <li>• of outer shell</li> </ul>	Lexan EXL 9330

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-40 ... +80 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +80 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-40 ... +80 °C
Protection class IP	IP66 / 67
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"> <li>• mast mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• roof mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>• directly on the device</li> </ul>	No

### Product properties, functions, components / general

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

Certificate of suitability	
<ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>	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> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>

- 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/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

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

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

<https://support.industry.siemens.com>

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