

### Product type designation



### Antenna ANT793-6DG

IWLAN ANTENNA ANT 793-6DG DUAL SLANT ANTENNA WITH WEAK DIRECTIONAL EFFICIENCY INCL. 2X N-FEMALE CONNECTOR: 9 DBI; IP67 (-40-+80DGR C), 5GHZ; WI-FI COMPLIANCE AND PLEASE NOTE NATIONAL APPROVALS; WALL OR MAST MOUNTING; COMPACT INSTRUCTIONS ON PAPER GERMAN / ENGLISH; SCOPE OF SUPPLY: 1X ANT793-6DG, 1X MOUNTING ALIGNMENT AID

### Wireless frequencies

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

### Electrical data

Impedance	50 $\Omega$
Polarization	dual linear +/- 45° slant
Radiation characteristic	directional
Antenna gain compared to spherical radiator	9 dB
<ul style="list-style-type: none"> <li>• of the WLAN antenna / in the 5 GHz frequency band</li> </ul>	
Standing wave ratio (VSWR) / maximum	2
Radiating angle of the antenna	70°
<ul style="list-style-type: none"> <li>• in the 5 GHz frequency band / horizontal</li> <li>• in the 5 GHz frequency band / vertical</li> </ul>	60°
Number of electrical connections / of the antenna	2
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	20 dB
Front-to-back ratio	20 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; frontal 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

### Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> <li>RoHS conformity</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Railway application in accordance with EN 50155</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Fire protection in accordance with EN 45545-2</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>
<ul style="list-style-type: none"> <li>to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>

- to website: CAx Download Manager
- to website: Industry Online Support

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

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

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