

### Product type designation



### Antenna ANT793-8DJ

IWLAN ANTENNA ANT 793-8DJ VERTICAL-HORIZONTAL POLARIZED W. STRONG DIRECTION. EFFICIENCY INCL. 2X N-FEMALE SOCKET; 18DBI; IP65 (-45-+70DGR C), 5GHZ; WI-FI COMPLIANCE AND PLEASE NOTE NATIONAL APPROVALS; WALL OR MAST MOUNTING; COMPACT INSTRUCTIONS ON PAPER GERMAN / ENGLISH; SCOPE OF SUPPLY: 1X ANT793-8DJ, 1X MOUNTING ALIGNMENT AID

### Wireless frequencies

#### Operating frequency

- for WLAN in 5 GHz frequency band 1

5.25 ... 5.875 GHz

### Electrical data

Impedance	50 $\Omega$
Polarization	dual linear vertical-horizontal
Radiation characteristic	directional
Antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> <li>• of the WLAN antenna / in the 5 GHz frequency band</li> </ul>	18 dB
Standing wave ratio (VSWR) / maximum	1.7
Radiating angle of the antenna	
<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>	17° 17°
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	30 dB
Front-to-back ratio	30 dB
Transmit power / maximum	6 W; at 25° ambient temperature

### Mechanical data

Material

- of outer shell

Polycarbonate / aluminum

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-45 ... +70 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-45 ... +70 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-45 ... +70 °C
Protection class IP	IP67
Wind load / maximum	104 N; frontal at 220 km/h

### Design, dimensions and weight

Width	190 mm
Height	190 mm
Depth	30.5 mm
Net weight	700 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
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/automation/net/catalog">http://www.siemens.com/automation/net/catalog</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>
<ul style="list-style-type: none"> <li>• to website: CAx Download Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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