

### Product type designation



### Antenna ANT793-8DK

IWLAN ANTENNA ANT 793-8DK VERTICAL-HORIZONTAL POLARIZED W. STRONG DIRECTION. EFFICIENCY INCL.2X N-FEMALE SOCKET;23 DBI; IP67 (-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 ANT793-8DK, 1X MOUNTING ALIGNMENT AID

### Wireless frequencies

Type of mobile network / is supported	WLAN
Operating frequency	
<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	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>	23 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>	9° 9°
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	40 dB
Front-to-back ratio	35 dB
Transmit power / maximum	6 W; at 25° ambient temperature

### 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>	-45 ... +70 °C
Protection class IP	IP67
Wind load / maximum	389 N; frontal at 220 km/h

### Design, dimensions and weight

Width	371 mm
Height	371 mm
Depth	40 mm
Net weight	2.5 kg
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>	Yes Yes No 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> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx Download Manager</li> <li>• to website: Industry Online Support</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>  <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>  <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>  <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>  <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>  <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

last modified:

15.02.2016