

### product type designation



### Antenna ANT793-8DJ

ANT793-8DJ IWLAN antenna Vertically-horizontally polarized with strong directional effect incl. 2x N-female socket; 18 dBi; IP67 (-45-+70 °C), 5 GHz; Wi-Fi compliance and observe national approvals; mounting on wall or mast; compact instructions as hard copy German/English; scope of delivery: 1x ANT793-8DJ, 1x mounting aid for alignment .

radio frequencies	
type of wireless network / is supported	WLAN
operating frequency	
• for WLAN in 5 GHz frequency band 1	5.15 ... 5.875 GHz
electrical data	
antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	18 dB
impedance	50 Ω
polarization	Dual linear vertical-horizontal
radiation characteristic	directional
standing wave ratio (VSWR) / maximum	1.7
radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	17°
• in the 5 GHz frequency band / vertical	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
mechanical data	
material	
• of outer shell	Polycarbonate / aluminum
ambient conditions	
ambient temperature	
• during operation	-45 ... +70 °C
• during storage	-45 ... +70 °C
• during transport	-45 ... +70 °C
protection class IP	IP67
wind load / maximum	104 N; frontal at 220 km/h
design, dimensions and weights	
width	190 mm
height	190 mm
depth	30.5 mm
net weight	700 g
fastening method	
• mast mounting	Yes
• wall mounting	Yes
• roof mounting	No

<ul style="list-style-type: none"> <li>• directly on the device</li> </ul>	No
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>	Yes
product conformity	UL 94-HB
wireless approval	Current national approvals can be found on the Internet under <a href="http://www.siemens.com/funkzulassungen">www.siemens.com/funkzulassungen</a>
reference code / according to IEC 81346-2:2019	TFB
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to web page: WLAN country approval</li> <li>• to website: Industrial communication</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/wireless-approvals">https://www.siemens.com/wireless-approvals</a> <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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