

### Product type designation



### Antenna ANT793-8DP

ANT793-8DP IWLAN antenna with strong directional effect incl. N-female connector: 13/13.5 dBi; IP66/67; (-40 - +80 °C); 4.9-5.35 GHz; Wi-Fi compliance and observe national approvals! Mounting on wall or mast; Compact instructions as hard copy English/German; Scope of delivery: 1x ANT793-8DP, 1x mounting aid for alignment

### Radio frequencies

Type of mobile network / is supported	WLAN
Operating frequency	4.9 ... 5.35 GHz
<ul style="list-style-type: none"> <li>• for WLAN in 5 GHz frequency band 1</li> </ul>	

### Electrical data

Impedance	50 Ω
Polarization	linear vertical
Radiation characteristic	directional
Antenna gain compared to spherical radiator	13.5 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	1.5
Radiating angle of the antenna	40°
<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>	35°
Number of electrical connections / of the antenna	1
Type of electrical connection / of the antenna	N-Connector
Design of plug-in connection	female

Angle of inclination / downward / maximum	0°
Front-to-back ratio	20 dB

### Mechanical data

Material	
<ul style="list-style-type: none"> <li>of outer shell</li> </ul>	Lexan EXL 9330

### Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-40 ... +80 °C
Protection class IP	IP66 / 67
Wind load / maximum	15 N; frontal at 160 km/h
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> <li>wall mounting</li> <li>roof mounting</li> <li>directly on the device</li> </ul>	Yes Yes No No

### Product features, product functions, product 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> <li>Railway application in accordance with EN 50155</li> <li>Fire protection in accordance with EN 45545-2</li> </ul>	Yes Yes Yes
Product conformity	UL 94-V0
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> </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>

- to website: Industry Online Support

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

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