

### product type designation



### Antenna ANT793-8DP

ANT793-8DP IWLAN antenna with strong directional effect incl. N-female plug: 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 German/English; scope of delivery: 1x ANT793-8DP, 1x mounting aid for alignment .

radio frequencies	
type of wireless network / is supported	WLAN
operating frequency	
• for WLAN in 5 GHz frequency band 1	4.9 ... 5.35 GHz
antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	13.5 dB
electrical data	
impedance	50 Ω
polarization	linear vertical
radiation characteristic	directional
antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	13.5 dB
standing wave ratio (VSWR) / maximum	1.5
radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	40°
• in the 5 GHz frequency band / vertical	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	
• of outer shell	Lexan EXL 9330
ambient conditions	
ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
protection class IP	IP66/67
wind load / maximum	15 N; frontal at 160 km/h
design, dimensions and weights	
width	80 mm
height	101 mm
depth	35 mm
net weight	110 g
fastening method	
• mast mounting	Yes

<ul style="list-style-type: none"> <li>• wall mounting</li> <li>• roof mounting</li> <li>• directly on the device</li> </ul>	<p>Yes</p> <p>No</p> <p>No</p>
<b>product features, product functions, product components / general</b>	
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	Yes
<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>	<p>Yes</p> <p>Yes</p> <p>Yes</p>
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>
reference code	TF
<ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>	<p>TF</p> <p>TFB</p>
<b>further information / internet-Links</b>	
Internet-Link	<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a></li> <li>• to website: Industrial communication <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></li> <li>• to website: Industry Mall <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></li> <li>• to website: Information and Download Center <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a></li> <li>• to website: Image database <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></li> <li>• to website: CAx-Download-Manager <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></li> <li>• to website: Industry Online Support <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></li> </ul>
<b>last modified:</b>	11/3/2021 