

### product type designation



### Antenna ANT793-8DL

ANT793-8DL IWLAN antenna vertically-horizontally polarized with strong directional effect incl. 2x N-female socket; 14 dBi; IP66 (-45-+70 °C), 5 GHz; suitable for railway applications; Wi-Fi compliance and Observe national approvals; Mounting on wall or mast; compact instructions as hard copy German/English; scope of delivery: 1x ANT793-8DL, 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 ... 5.9 GHz
antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	14 dB

### electrical data

impedance	50 Ω
polarization	Dual linear vertical-horizontal
radiation characteristic	directional
antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	14 dB
standing wave ratio (VSWR) / maximum	2.5
radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	30°
• in the 5 GHz frequency band / vertical	30°; take the antenna diagram into account
number of electrical connections / of the antenna	2
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	female
crosstalk attenuation / between the antenna connections	19 dB
front-to-back ratio	35 dB

### mechanical data


material	
• of outer shell	ASA

### ambient conditions

ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
protection class IP	IP66
wind load / maximum	suitable for wind speeds up to 200 km/h

### design, dimensions and weights

width	100 mm
height	283 mm; incl. bracket
depth	40 mm
net weight	520 g
fastening method	
• mast mounting	Yes
• flat roof mounting	No

<ul style="list-style-type: none"> <li>• wall mounting</li> <li>• roof mounting</li> <li>• directly on the device</li> </ul>	Yes No No
<b>product features, product functions, product components / general</b>	
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
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
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 web page: selection aid TIA 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>
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