

### product type designation



### Antenna ANT795-4MX

ANT795-4MX WLAN antenna with omnidirectional characteristic; with railway approval; incl. N-Connect Male connector straight: 2/2.5 dBi; IP68/69K (-40 - +85 °C), 2.4/5 GHz; Wi-Fi compliance and national approvals to be observed; direct mounting on SCALANCE W with N-Connect connection system; Scope of delivery: 1x ANT795-4MX, Compact instructions as hard copy German/English

radio frequencies	
type of wireless network / is supported	WLAN
operating frequency	2 ... 2.7 GHz
<ul style="list-style-type: none"> <li>for WLAN in 2.4 GHz frequency band</li> <li>for WLAN in 5 GHz frequency band 1</li> <li>for WLAN in 5 GHz frequency band 2</li> </ul>	4.9 ... 5.15 GHz
operating frequency	5.15 ... 6 GHz
operating frequency	1575.42 MHz, 1700 MHz, 1800 MHz, 1900 MHz, 2100 MHz, 2200 MHz, 2600 MHz
electrical data	
impedance	50 Ω
polarization	linear vertical
radiation characteristic	omnidirectional
antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> <li>of the WLAN antenna / in the 2.4 GHz frequency band</li> </ul>	2 dB
<ul style="list-style-type: none"> <li>of the WLAN antenna / in the 5 GHz frequency band</li> </ul>	2.5 dB
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
<ul style="list-style-type: none"> <li>in the 2.4 GHz frequency band / horizontal</li> <li>in the 5 GHz frequency band / horizontal</li> </ul>	360°
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	male, straight
angle of inclination / downward / maximum	0°
mechanical data	
material	
<ul style="list-style-type: none"> <li>of outer shell</li> </ul>	ASA
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-40 ... +85 °C
protection class IP	IP68 / IP69K
shock resistance	according to EN61373, category1, class b (for railway carriage)
design, dimensions and weights	
height	55 mm
diameter	22 mm

net weight	50 g
fastening method	
<ul style="list-style-type: none"> <li>• wall mounting</li> <li>• roof mounting</li> <li>• directly on the device</li> </ul>	<p>No</p> <p>No</p> <p>Yes</p>
<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>	<p>Yes</p> <p>Yes</p> <p>Yes</p>
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>
<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>	<p><a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a></p> <p><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a></p> <p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a></p> <p><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a></p> <p><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>
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