

### product type designation



### Antenna ANT795-4MC

ANT795-4MC IWLAN antenna with omnidirectional Characteristic; incl. N-Connect male plug straight; 3/5 dBi IP65 (-20-+60 °C), 2.4/5GHz Wi-Fi compliance and observe national approvals; direct mounting on SCALANCE W with N-Connect connection system; scope of delivery: 1x ANT795-4MC, compact instructions as hard copy German/English.

Technical Product Detail Page

<https://l.siemens.com/1P6GK5795-4MC00-0AA3>

### radio frequencies

type of wireless network / is supported	WLAN
operating frequency	
<ul style="list-style-type: none"> <li>for WLAN in 2.4 GHz frequency band</li> </ul>	2.4 ... 2.4835 GHz
<ul style="list-style-type: none"> <li>for WLAN in 5 GHz frequency band 1</li> </ul>	5.15 ... 5.35 GHz
<ul style="list-style-type: none"> <li>for WLAN in 5 GHz frequency band 2</li> </ul>	5.725 ... 5.85 GHz

### electrical data

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>	3 dB
<ul style="list-style-type: none"> <li>of the WLAN antenna / in the 5 GHz frequency band</li> </ul>	5 dB
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	omnidirectional
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> </ul>	360°
<ul style="list-style-type: none"> <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>	Polycarbonate

### ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-20 ... +65 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-20 ... +65 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-20 ... +65 °C
protection class IP	IP65

### design, dimensions and weights

width	35 mm
height	160 mm
depth	13 mm
net weight	26 g
fastening method	
<ul style="list-style-type: none"> <li>mast mounting</li> </ul>	No

<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> </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>
<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>	<p><a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a></p> <p><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></p> <p><a href="https://www.siemens.com/wireless-approvals">https://www.siemens.com/wireless-approvals</a></p> <p><a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a></p> <p><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a></p> <p><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a></p> <p><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>
<b>security information</b>	
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