

### product type designation



### Antenna ANT795-4MC

ANT795-4MC WLAN 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.

### 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
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

### 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>	3 dB
<ul style="list-style-type: none"> <li>of the WLAN antenna / in the 5 GHz frequency band</li> </ul>	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> </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	
• mast mounting	No
• wall mounting	No
• roof mounting	No
• directly on the device	Yes

**product features, product functions, product components / general**

product feature / silicon-free	Yes
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**standards, specifications, approvals**

certificate of suitability	
• RoHS conformity	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>
reference code / according to IEC 81346-2:2019	TFB

**further information / internet-Links**

Internet-Link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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