

### Product type designation

### Antenna ANT795-4MD

IWLAN ANTENNA ANT 795-4MD WITH OMNIDIRECTIONAL CHARACTERISTIC INCL. N-FEMALE CONNECT. W. FIXED 90 DGR ANGLE; ANTENNA GAIN: 3/5 DBI; IP65 (-20-+60DGR C), 2.4/5GHZ; PLEASE NOTE WI-FI COMPLIANCE AND NATIONAL APPROVALS; DIRECT MOUNTING TO SCALANCE W WITH N-CONNECT CONNECT. METHOD; SCOPE OF SUPPLY:1X ANT795-4MD COMPACT INSTRUCTIONS ON PAPER GERMAN / ENGLISH



### Wireless frequencies

Type of mobile 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

Impedance	50 $\Omega$
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, 90° angle
Angle of inclination / downward / maximum	0°

### Mechanical data

Material	
<ul style="list-style-type: none"> <li>• of outer shell</li> </ul>	Polycarbonate

### Permitted 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 weight

Width	35 mm
Height	160 mm
Depth	13 mm
Net weight	35 kg
Mounting type	
<ul style="list-style-type: none"> <li>• mast mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>• roof mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>• directly on the device</li> </ul>	Yes

### Product properties, functions, components / general

Product feature / silicon-free	Yes
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### Standards, specifications, approvals

Wireless approval	Current national approvals can be found on the Internet under <a href="http://www.siemens.com/funkzulassungen">www.siemens.com/funkzulassungen</a>
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### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
<ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>• to website: CAx Download Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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