


### product type designation



### Antenna ANT795-4MD

ANT795-4MD WLAN antenna with omnidirectional Characteristic; incl. N-Female Connector with fixed 90° angle; 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 ANT795-4MD, 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 |
| 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, 90° angle    |
| 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  | 35 g               |

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| fastening method   |  |
| <ul style="list-style-type: none"> <li>• mast mounting</li> <li>• wall mounting</li> <li>• roof mounting</li> <li>• directly on the device</li> </ul>  | <p>No</p> <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 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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