


### product type designation



### Antenna ANT793-6DG

ANT793-6DG WLAN antenna Dual-slant antenna with weak directional effect incl. 2x N-female connectors: 9 dBi; IP66/67 (-40-+80 °C), 5 GHz; Wi-Fi compliance and observe national approvals; mounting on wall or mast; compact instructions as hard copy German/English; scope of delivery: 1x ANT793-6DG, 1x mounting aid for alignment .

| radio frequencies  |                           |
|--|---------------------------|
| type of wireless network / is supported  | WLAN                      |
| operating frequency  | 5.15 ... 5.875 GHz        |
| <ul style="list-style-type: none"> <li>for WLAN in 5 GHz frequency band 1</li> </ul>   |                           |
| antenna gain compared to spherical radiator  | 9 dB                      |
| <ul style="list-style-type: none"> <li>of the WLAN antenna / in the 5 GHz frequency band</li> </ul>  |                           |
| electrical data  |                           |
| impedance  | 50 Ω                      |
| polarization   | dual linear +/- 45° slant |
| radiation characteristic   | Sector antenna            |
| antenna gain compared to spherical radiator  | 9 dB                      |
| <ul style="list-style-type: none"> <li>of the WLAN antenna / in the 5 GHz frequency band</li> </ul>  |                           |
| standing wave ratio (VSWR) / maximum   | 2                         |
| radiating angle of the antenna   | 70°                       |
| <ul style="list-style-type: none"> <li>in the 5 GHz frequency band / horizontal</li> <li>in the 5 GHz frequency band / vertical</li> </ul> | 60°                       |
| number of electrical connections / of the antenna  | 2                         |
| type of electrical connection / of the antenna   | N-Connector               |
| design of plug-in connection   | female                    |
| angle of inclination / downward / maximum  | 0°                        |
| crosstalk attenuation / between the antenna connections  | 20 dB                     |
| front-to-back ratio  | 20 dB                     |
| mechanical data  |                           |
| material   | Lexan EXL 9330            |
| <ul style="list-style-type: none"> <li>of outer shell</li> </ul>   |                           |
| ambient conditions   |                           |
| ambient temperature  | -40 ... +80 °C            |
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>                       | -40 ... +80 °C            |
| protection class IP  | IP66/67                   |
| wind load / maximum  | 15 N; frontal at 160 km/h |
| design, dimensions and weights   |                           |
| width  | 80 mm                     |
| height   | 101 mm                    |
| depth  | 35 mm                     |
| net weight   | 110 g                     |
| 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>Yes</p> <p>Yes</p> <p>No</p> <p>No</p>  |
| <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>   |
| 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 <ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>   | <p>TF</p> <p>TFB</p>   |
| <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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