

### product type designation



### Antenna ANT792-8DN

ANT792-8DN I WLAN antenna with strong directional effect incl. N-female plug: 14 dBi, IP23, outdoor, (-40-+70 °C); 2.4 GHz, Wi-Fi compliance observe national approvals; mounting on wall or mast, compact instructions as hard copy German/English, scope of delivery: 1x ANT792-8DN, 1x mounting aid for alignment 1x mounting aid for alignment .

|   |   |
|---|---|
| product brand name                                    | SCALANCE  |
| Technical Product Detail Page                         | <a href="https://l.siemens.com/1P6GK5792-8DN00-0AA6">https://l.siemens.com/1P6GK5792-8DN00-0AA6</a> |
| <b>radio frequencies</b>                              |   |
| type of wireless network / is supported               | WLAN  |
| operating frequency                                   |   |
| • for WLAN in 2.4 GHz frequency band                  | 2.4 ... 2.7 GHz   |
| <b>electrical data</b>                                |   |
| antenna gain compared to spherical radiator           |   |
| • of the WLAN antenna / in the 2.4 GHz frequency band | 14 dB   |
| impedance   | 50 Ω  |
| polarization  | Linear Vertical   |
| radiation characteristic                              | directional   |
| standing wave ratio (VSWR) / maximum                  | 1.5   |
| radiating angle of the antenna                        |   |
| • in the 2.4 GHz frequency band / horizontal          | 35°   |
| • in the 2.4 GHz frequency band / vertical            | 30°   |
| number of electrical connections / of the antenna     | 1   |
| type of electrical connection / of the antenna        | N-Connector   |
| design of plug-in connection                          | female  |
| angle of inclination / downward / maximum             | 0°  |
| front-to-back ratio                                   | 20 dB   |
| <b>mechanical data</b>                                |   |
| material  |   |
| • of outer shell                                      | ASA   |
| <b>ambient conditions</b>                             |   |
| ambient temperature                                   |   |
| • during operation                                    | -40 ... +80 °C  |
| • during storage                                      | -40 ... +80 °C  |
| • during transport                                    | -40 ... +80 °C  |
| protection class IP                                   | IP23  |
| wind load / maximum                                   | 57 N; at 160 km/h   |
| <b>design, dimensions and weights</b>                 |   |
| width   | 200 mm  |
| height  | 200 mm  |
| depth   | 43 mm   |
| net weight  | 500 g   |
| fastening method                                      |   |
| • mast mounting                                       | Yes   |

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