

### product type designation



### Antenna ANT793-8DK

ANT793-8DK IWLAN antenna vertically-horizontally polarized with strong directional effect incl. 2x N-female socket; 23 dBi; IP67 (-45-+70 °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 ANT793-8DK, 1x mounting aid for alignment .

### radio frequencies

|   |                    |
|---|--------------------|
| type of wireless network / is supported             | WLAN               |
| operating frequency                                 |                    |
| • for WLAN in 5 GHz frequency band 1                | 5.15 ... 5.875 GHz |
| antenna gain compared to spherical radiator         |                    |
| • of the WLAN antenna / in the 5 GHz frequency band | 23 dB              |

### electrical data

|   |                                 |
|---|---------------------------------|
| impedance   | 50 Ω                            |
| polarization  | Dual linear vertical-horizontal |
| radiation characteristic                                | directional                     |
| antenna gain compared to spherical radiator             |                                 |
| • of the WLAN antenna / in the 5 GHz frequency band     | 23 dB                           |
| standing wave ratio (VSWR) / maximum                    | 1.7                             |
| radiating angle of the antenna                          |                                 |
| • in the 5 GHz frequency band / horizontal              | 9°                              |
| • in the 5 GHz frequency band / vertical                | 9°                              |
| 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 | 40 dB                           |
| front-to-back ratio                                     | 35 dB                           |

### mechanical data


|                  |               |
|------------------|---------------|
| material         |               |
| • of outer shell | Polycarbonate |

### ambient conditions

|                     |                            |
|---------------------|----------------------------|
| ambient temperature |                            |
| • during operation  | -45 ... +70 °C             |
| • during storage    | -45 ... +70 °C             |
| • during transport  | -45 ... +70 °C             |
| protection class IP | IP67                       |
| wind load / maximum | 389 N; frontal at 220 km/h |

### design, dimensions and weights

|                  |        |
|------------------|--------|
| width            | 371 mm |
| height           | 371 mm |
| depth            | 40 mm  |
| net weight       | 2500 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>   | Yes<br>No<br>No   |
| <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>  |
| reference code / according to IEC 81346-2:2019   | TFB   |
| <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> | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a><br><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a><br><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a><br><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a><br><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a><br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |
| <b>last modified:</b>  | 4/28/2023    |

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