

| | |
|---------------------------------|--|
| 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 English/German; scope of delivery: 1x ANT793-8DK, 1x mounting aid for alignment |
|---------------------------------|--|

| Radio frequencies | |
|--|--------------------|
| Type of mobile network / is supported | WLAN |
| Operating frequency <ul style="list-style-type: none"> • for WLAN in 5 GHz frequency band 1 | 5.15 ... 5.875 GHz |

| Electrical data | |
|---|---------------------------------|
| Impedance | 50 Ω |
| Polarization | Dual linear vertical-horizontal |
| Radiation characteristic | directional |
| Antenna gain compared to spherical radiator <ul style="list-style-type: none"> • of the WLAN antenna / in the 5 GHz frequency band | 23 dB |
| Standing wave ratio (VSWR) / maximum | 1.7 |
| Radiating angle of the antenna <ul style="list-style-type: none"> • in the 5 GHz frequency band / horizontal • in the 5 GHz frequency band / vertical | 9° 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 <ul style="list-style-type: none"> • of outer shell | Polycarbonate |

| Ambient conditions | |
|--|--|
| Ambient temperature <ul style="list-style-type: none"> • during operation • during storage • during transport | -45 ... +70 °C -45 ... +70 °C -45 ... +70 °C |
| Protection class IP | IP67 |

| | |
|--------------------------|----------------------------|
| Wind load / maximum | 389 N; frontal at 220 km/h |
| Width | 371 mm |
| Height | 371 mm |
| Depth | 40 mm |
| Net weight | 2500 g |
| Mounting type | |
| • mast mounting | Yes |
| • wall mounting | Yes |
| • roof mounting | No |
| • directly on the device | No |

Standards, specifications, approvals

| | |
|----------------------------|--|
| Certificate of suitability | |
| • RoHS conformity | Yes |
| Wireless approval | Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen |

Further information / Internet-Links

| | |
|---|---|
| Internet-Link | |
| • to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| • to website: Image database | http://automation.siemens.com/bilddb |
| • to website: CAx Download Manager | http://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |

last modified: 11/11/2019