

Product type designation



Antenna ANT795-4MX

IWLAN ANTENNA ANT 795-4MX WITH OMNIDIRECTIONAL CHARACTERISTIC; WITH RAILWAY CERT., INCL. N-CONNECT MALE CONNECTOR STRAIGHT; ANTENNA GAIN: 2/2,5 DBI; IP67/69K (-40-+85DGR C), 2.4/5GHZ; NOTE WI-FI COMPLIANCE AND NATIONAL APPROVALS; MOUNTING DIRECTLY TO SCALANCE W WITH N-CONNECT CONNECT. TECHN.; SCOPE OF SUPPLY: 1X ANT795-4MX COMPACT MANUAL ON PAPER GERMAN/ENGLISH;

Wireless frequencies

| | |
|---------------------------------------|---|
| Radio frequency | |
| • for WLAN in 2.4 GHz frequency band | 2 ... 2.7 GHz |
| • for WLAN in 5 GHz frequency band 1 | 4.9 ... 5.15 GHz |
| • for WLAN in 5 GHz frequency band 2 | 5.15 ... 6 GHz |
| Type of mobile network / is supported | LTE |
| Operating frequency | 1575.42 MHz, 1700 MHz, 1800 MHz, 1900 MHz, 2100 MHz, 2200 MHz, 2600 MHz |

Electrical data

| | |
|---|-----------------|
| Impedance | 50 Ω |
| Polarization | linear vertical |
| Radiation characteristic | omnidirectional |
| Antenna gain compared to spherical radiator | |
| • of the WLAN antenna / in the 2.4 GHz frequency band | 2 dB |
| • of the WLAN antenna / in the 5 GHz frequency band | 2.5 dB |
| Standing wave ratio (VSWR) / maximum | 2 |
| Beam angle of antenna | |
| • in the 2.4 GHz frequency band / horizontal | 360° |
| • in the 5 GHz frequency band / horizontal | 360° |
| Number of electrical connections / of the antenna | 1 |
| Design of the electrical connection / of the antenna | N-Connector |
| Design of plug-in connection | male, straight |

| | |
|--|--|
| Angle of inclination / downward / maximum | 0° |
| Transmit power / maximum | 10 W; at 25° ambient temperature |
| Mechanical data | |
| Material | |
| • of outer shell | ASA |
| Permitted ambient conditions | |
| Ambient temperature | |
| • during operation | -40 ... +85 °C |
| • during storage | -40 ... +85 °C |
| • during transport | -40 ... +85 °C |
| Protection class IP | IP68 / IP69K |
| Shock resistance | according to EN61373, category1, class b (for railway carriage) |
| Design, dimensions and weight | |
| Height | 55 mm |
| Diameter | 22 mm |
| Net weight | 50 g |
| Mounting type | |
| • wall mounting | No |
| • roof mounting | No |
| • directly on the device | Yes |
| Product properties, functions, components / general | |
| Product property / silicon-free | Yes |
| Standards, specifications, approvals | |
| Standard | |
| • for hazardous zone | rail application according to DIN5510-2 |
| Certificate of suitability | |
| • RoHS conformity | Yes |
| • Railway application in accordance with EN 50155 | Yes |
| • Fire protection in accordance with EN 45545-2 | Yes |
| product conformity | UL 94-HB |
| 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: Information and Download Center | http://www.siemens.com/automation/net/catalog |
| • to website: Image database | http://automation.siemens.com/bilddb |

- to website: CAx Download Manager
- to website: Industry Online Support

last modified:

<http://www.siemens.com/cax>

<http://support.automation.siemens.com>

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