

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

Type of mobile network / is supported	LTE
Operating frequency	
• with WLAN in 2.4 GHz frequency band	2 ... 2.7 GHz
• with WLAN in 5 GHz frequency band 1	4.9 ... 5.15 GHz
• with WLAN in 5 GHz frequency band 2	5.15 ... 6 GHz
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
Boolesche Liste	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: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog

- to website: Image database
- to website: CAX Download Manager
- to website: Industry Online Support

last modified:

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

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

<https://support.industry.siemens.com>

02.03.2015