

### Product type designation

### Antenna ANT795-4MX

ANT795-4MX IWLAN antenna with omnidirectional characteristic; with railway approval; incl. N-Connect Male connector straight: 2/2.5 dBi; IP68/69K (-40 - +85 °C), 2.4/5 GHz; Wi-Fi compliance and national approvals to be observed; direct mounting on SCALANCE W with N-Connect connection system; Scope of delivery: 1x ANT795-4MX, Compact instructions as hard copy German/English



### Wireless frequencies

Type of mobile network / is supported	WLAN
Operating 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
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

Radiating angle of the 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
Type of electrical connection / of the antenna	N-Connector
Design of plug-in connection	male, straight
Angle of inclination / downward / maximum	0°

#### 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 feature / silicon-free	Yes
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#### Standards, specifications, approvals

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 <a href="http://www.siemens.com/funkzulassungen">www.siemens.com/funkzulassungen</a>

#### Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>

- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/simatic-net>

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

<http://www.siemens.com/industry/infocenter>

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

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

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

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