SIEMENS

Product type designation	Antenna ANT795-4MC
	ANT795-4MC IWLAN antenna with omnidirectional Characteristic; incl. N-Connect Male connector straight; 3/5 dBi IP65 (-20-+60°C), 2.4/5GHz Wi-Fi compliance and Observe national approvals; Direct mounting on SCALANCE W with N-Connect connection system scope of delivery: 1x ANT795-4MC, 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	2.4 ... 2.4835 GHz
• for WLAN in 5 GHz frequency band 1	5.15 ... 5.35 GHz
• for WLAN in 5 GHz frequency band 2	5.725 ... 5.85 GHz

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	3 dB
• of the WLAN antenna / in the 5 GHz frequency band	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	Polycarbonate

Permitted ambient conditions

Ambient temperature	
● during operation	-20 ... +65 °C
● during storage	-20 ... +65 °C
● during transport	-20 ... +65 °C
Protection class IP	IP65

Design, dimensions and weight

Width	35 mm
Height	160 mm
Depth	13 mm
Net weight	35 g
Mounting type	
● mast mounting	No
● wall mounting	No
● roof mounting	No
● directly on the device	Yes

Product properties, functions, components / general

Product feature / silicon-free	Yes

Standards, specifications, approvals

Certificate of suitability	
● RoHS conformity	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: 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

- to website: Industry Online Support

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