

Product type designation

Antenna ANT795-4MA

ANT795-4MA IWLAN antenna with omnidirectional Characteristic, Radially rotatable, with additional joint, incl. RSMA connector: 3/5 dBi, IP30 (-20-+60°C), 2.4/5 GHz; Wi-Fi compliance and Observe national approvals; Direct mounting on SCALANCE W with RSMA connection system; scope of delivery: 1x ANT795-4MA, 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	R-SMA Connector
Design of plug-in connection	male, variable 0-90°
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	IP30

Design, dimensions and weight

Width	35 mm
Height	160 mm
Depth	13 mm
Net weight	29 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
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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

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

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

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