

product type designation



Antenna ANT795-4MA

ANT795-4MA WLAN 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.

radio frequencies

type of wireless 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
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

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

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 weights

width	35 mm
height	160 mm
depth	13 mm
net weight	29 g

fastening method	
<ul style="list-style-type: none"> • mast mounting • wall mounting • roof mounting • directly on the device 	No No No Yes
product features, product functions, product components / general	
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes
product conformity	UL 94-HB
wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen
reference code / according to IEC 81346-2:2019	TFB
further information / internet-Links	
Internet-Link	
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool • 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/snst 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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