

### product type designation



### Antenna ANT795-4MB

ANT795-4MB IWLAN antenna with omnidirectional Characteristic, Radially rotatable, with additional joint, incl. RSMA connector: 2/3 dBi, IP65 (-20-+60 °C), 2.4/5 GHz; Wi-Fi compliance and national approvals to be observed; direct mounting on SCALANCE W with RSMA connection system; scope of delivery: 1xANT795-4MB , 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 ... 2.5 GHz
• for WLAN in 5 GHz frequency band 1	5.15 ... 5.85 GHz

### electrical data

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	3 dB
impedance	50 Ω
polarization	linear vertical
radiation characteristic	omnidirectional
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	-30 ... +70 °C
protection class IP	IP65

### design, dimensions and weights

height	114 mm
diameter	12.9 mm
net weight	21.5 g
fastening method	
• mast mounting	No
• wall mounting	No
• roof mounting	No
• directly on the device	Yes

### product features, product functions, product components / general

product feature / silicon-free	No
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standards, specifications, approvals	
certificate of suitability	
• RoHS conformity	Yes
wireless approval	Current national approvals can be found on the Internet under <a href="http://www.siemens.com/funkzulassungen">www.siemens.com/funkzulassungen</a>
reference code / according to IEC 81346-2:2019	TFB
further information / internet links	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAX-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
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