

### 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.

### 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"> <li>• mast mounting</li> <li>• wall mounting</li> <li>• roof mounting</li> <li>• directly on the device</li> </ul>	No No No Yes
<b>product features, product functions, product components / general</b>	
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability <ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>	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>
reference code / according to IEC 81346-2:2019	TFB
<b>further information / internet links</b>	
internet link <ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a> <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
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