SIEMENS

Data sheet   **6GK5795-4MB00-0AA0**

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
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

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	2 dB
● of the WLAN antenna / in the 5 GHz frequency band	3 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	-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	

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● 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
standards, specifications, approvals	
certificate of suitability	
● RoHS conformity	Yes
wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen
reference code	
● according to IEC 81346-2	TF
● according to IEC 81346-2:2019	TFB
further information / internet-Links	
Internet-Link	
● to web page: selection aid TIA 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	http://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
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