SIEMENS

Data sheet   **6GK5795-6MT00-0AA0**

product type designation	**Antenna ANT795-6MT**

ANT795-6MT IWLAN antenna MIMO antenna with omni- directional characteristic incl. 3x QMA sockets; 5/7 dBi; IP65 (-40-+85 °C), 2.4/5GHz; Wi-Fi compliance and Observe national approvals; mounting on roof, vehicles and ceiling installation; compact instructions as hard copy German/English; scope of delivery: 1x ANT795-6MT, 1x mounting aid for Ceiling installation.

radio frequencies	
type of wireless network / is supported	WLAN
operating frequency	
● for WLAN in 2.4 GHz frequency band	2.4 ... 2.69 GHz
● for WLAN in 5 GHz frequency band 1	5.15 ... 5.35 GHz
● for WLAN in 5 GHz frequency band 2	5.47 ... 5.935 GHz
electrical data	
antenna gain compared to spherical radiator	
● of the WLAN antenna / in the 2.4 GHz frequency band	5 dB
● of the WLAN antenna / in the 5 GHz frequency band	7 dB
impedance	50 Ω
polarization	3 ports: Linear vertical
radiation characteristic	omnidirectional
standing wave ratio (VSWR) / maximum	1.5
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	3
type of electrical connection / of the antenna	QMA Connector
design of plug-in connection	female
angle of inclination / downward / maximum	0°
crosstalk attenuation / between the antenna connections	20 dB
mechanical data	
material	
● of outer shell	Polycarbonate
ambient conditions	
ambient temperature	
● during operation	-40 ... +85 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
protection class IP	IP65
design, dimensions and weights	
width	282 mm
height	32 mm
depth	92 mm
net weight	320 g
fastening method	
● mast mounting	No
● wall mounting	Yes

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● roof mounting	Yes
● directly on the device	No

product features, product functions, product components / general	
product feature / silicon-free	Yes

standards, specifications, approvals	
certificate of suitability	
● RoHS conformity	Yes
● railway application in accordance with EN 50155	Yes
● fire protection in accordance with EN 45545-2	Yes
Marine classification association / Korean Register of Shipping (KRS)	Yes
product conformity	UL 94-V0
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	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: WLAN country approval	https://www.siemens.com/wireless-approvals
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information	
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