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 English/German; scope of delivery: 1x ANT795-6MT, 1x mounting aid for Ceiling mounting



Radio frequencies	
Type of mobile 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	
Impedance	50 Ω
Polarization	3 ports: Linear vertical
Radiation characteristic	omnidirectional
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
Standing wave ratio (VSWR) / maximum	1.5
Radiating angle of the antenna	
• in the 2.4 GHz frequency band / horizontal	360°

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• in the 5 GHz frequency band / horizontal	360°
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
Mounting type	
• mast mounting	No
• wall mounting	Yes
• 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

Further information / Internet-Links

Internet-Link	

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• to website: Selector SIMATIC NET 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
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