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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
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
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°
● 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

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depth	92 mm
net weight	320 g
fastening method	
● 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
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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