SIEMENS

Data sheet 6GK5795-6MN10-0AA6

product type designation	**Antenna ANT795-6MN**
	ANT795-6MN antenna with omnidirectional Characteristic; incl. N-Connect female plug: 6/8 dBi; IP65 (-40-+70 °C), WLAN 2.4/5 GHz and private 5G networks; Wi-Fi compliance and observe national approvals; mounting on roof and vehicles; compact instructions as hard copy German/English; scope of delivery: 1x ANT795-6MN, for mounting, the mounting aid 6GK5795-6MN01-0AA6 is available.



product brand name	SCALANCE
Technical Product Detail Page	https://i.siemens.com/1P6GK5795-6MN10-0AA6
radio frequencies	
type of wireless network / is supported	5G private networks, WLAN
operating frequency / 1	2400 ... 2700 MHz
operating frequency / 2	3400 ... 3800 MHz
operating frequency / 3	4900 ... 5925 MHz
operating frequency / 4	5925 ... 7125 MHz
operating frequency	
● for WLAN in 2.4 GHz frequency band	2.4 ... 2.7 GHz
● for WLAN in 5 GHz frequency band 1	4.9 ... 5.92 GHz
electrical data	
antenna gain compared to spherical radiator	
● with linear radiation / in operating frequency area 1 / typical	6 dB
● with linear radiation / in operating frequency area 2 / typical	6 dB
● with linear radiation / in operating frequency area 3 / typical	8 dB
● with linear radiation / in operating frequency area 4 / typical	8 dB
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	omnidirectional
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	take the antenna diagram into account regarding the horizontal beam angle
● horizontal	360°
● in the 5 GHz frequency band / horizontal	150°
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	female
angle of inclination / downward / maximum	0°
mechanical data	
material	
● of outer shell	Polycarbonate
ambient conditions	
ambient temperature	
● during operation	-40 ... +80 °C
● during storage	-40 ... +80 °C

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● during transport	-40 ... +80 °C
protection class IP	IP65; with correct installation
wind load / maximum	10 N; at 160 km/h
design, dimensions and weights	
width	86 mm
height	43 mm
depth	86 mm
net weight	300 g
fastening method	
● mast mounting	No
● flat roof mounting	Yes
● 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	Railway application in accordance with NF-F-16-101, NF-F-16-102
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	
● 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	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

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