SIEMENS

product type designation	Antenna ANT795-6DC

ANT795-6DC IWLAN antenna with weak directional effect; incl. N-female connector: 9 dBi; IP66/67 (-40 - +80 °C), 2.4/5 GHz; Wi-Fi compliance and national approvals to be observed; Mounting on wall or mast Compact instructions as hard copy English/German; Scope of delivery: 1x ANT795-6DC, 1x mounting aid for alignment

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 ... 5.875 GHz
electrical data	
impedance	50 Ω
polarization	linear vertical
radiation characteristic	Sector antenna
antenna gain compared to spherical radiator	
● of the WLAN antenna / in the 2.4 GHz frequency band	9 dB
● of the WLAN antenna / in the 5 GHz frequency band	9 dB
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
● in the 2.4 GHz frequency band / horizontal	75°
● in the 2.4 GHz frequency band / vertical	55°
● in the 5 GHz frequency band / horizontal	55°
● in the 5 GHz frequency band / vertical	55°
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°
crosstalk attenuation / between the antenna connections	25 dB
front-to-back ratio	15 dB
mechanical data	
material	
● of outer shell	Lexan EXL 9330
ambient conditions	
ambient temperature	
● during operation	-40 ... +80 °C
● during storage	-40 ... +80 °C
● during transport	-40 ... +80 °C
protection class IP	IP66 / 67
wind load / maximum	15 N; at 160 km/h
design, dimensions and weights	

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width	80 mm
height	101 mm
depth	35 mm
net weight	110 g
fastening method	
● mast mounting	Yes
● wall mounting	Yes
● roof mounting	No
● 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	
● 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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