

## Data sheet

6GK5795-6DC00-0AA0

### product type designation



### Antenna ANT795-6DC

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

Technical Product Detail Page

<https://i.siemens.com/1P6GK5795-6DC00-0AA0>

### 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

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
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	Sector antenna
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

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
<b>product features, product functions, product components / general</b>	
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
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 <a href="http://www.siemens.com/funkzulassungen">www.siemens.com/funkzulassungen</a>
<b>further information / internet links</b>	
internet link	<ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a></li> <li>to web page: selection aid TIA Selection Tool <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></li> <li>to web page: WLAN country approval <a href="https://www.siemens.com/wireless-approvals">https://www.siemens.com/wireless-approvals</a></li> <li>to website: Industrial communication <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a></li> <li>to web page: SiePortal <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a></li> <li>to website: Image database <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a></li> <li>to website: CAx-Download-Manager <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a></li> <li>to website: Industry Online Support <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></li> </ul>
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last modified:

11/11/2025 