

## Data sheet

6GK5793-6DG00-0AA0

### product type designation



### Antenna ANT793-6DG

ANT793-6DG WLAN antenna Dual-slant antenna with weak directional effect incl. 2x N-female connectors: 9 dBi; IP66/67 (-40...+80 °C), 5 GHz; Wi-Fi compliance and observe national approvals; mounting on wall or mast; compact instructions as hard copy German/English; scope of delivery: 1x ANT793-6DG, 1x mounting aid for alignment .

Technical Product Detail Page

<https://i.siemens.com/1P6GK5793-6DG00-0AA0>

### radio frequencies

type of wireless network / is supported	WLAN
operating frequency	
• 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 5 GHz frequency band	9 dB
impedance	50 Ω
polarization	dual linear +/- 45° slant
radiation characteristic	Sector antenna
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	70°
• in the 5 GHz frequency band / vertical	60°
number of electrical connections / of the antenna	2
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	20 dB
front-to-back ratio	20 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; frontal 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>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
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	
• 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>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: WLAN country approval	<a href="https://www.siemens.com/wireless-approvals">https://www.siemens.com/wireless-approvals</a>
• to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
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• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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