

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 .

radio frequencies	
type of wireless network / is supported	WLAN
operating frequency	5.15 ... 5.875 GHz
<ul style="list-style-type: none"> for WLAN in 5 GHz frequency band 1 	
antenna gain compared to spherical radiator	9 dB
<ul style="list-style-type: none"> of the WLAN antenna / in the 5 GHz frequency band 	
electrical data	
impedance	50 Ω
polarization	dual linear +/- 45° slant
radiation characteristic	Sector antenna
antenna gain compared to spherical radiator	9 dB
<ul style="list-style-type: none"> of the WLAN antenna / in the 5 GHz frequency band 	
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
<ul style="list-style-type: none"> in the 5 GHz frequency band / horizontal 	70°
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> of outer shell 	Lexan EXL 9330
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation 	-40 ... +80 °C
<ul style="list-style-type: none"> during storage 	-40 ... +80 °C
<ul style="list-style-type: none"> 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
- wall mounting
- roof mounting
- directly on the device

Yes
Yes
No
No

standards, specifications, approvals

- certificate of suitability
- RoHS conformity
 - railway application in accordance with EN 50155
 - fire protection in accordance with EN 45545-2

Yes
Yes
Yes

wireless approval

Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen

reference code

- according to IEC 81346-2
- according to IEC 81346-2:2019

TF
TFB

further information / internet-Links

Internet-Link

- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>
<http://www.siemens.com/simatic-net>
<https://mall.industry.siemens.com>
<http://www.siemens.com/industry/infocenter>
<http://automation.siemens.com/bilddb>
<http://www.siemens.com/cax>
<https://support.industry.siemens.com>

last modified:

11/3/2021 