

product type designation



Antenna ANT793-8DJ

ANT793-8DJ IWLAN antenna Vertically-horizontally polarized with strong directional effect incl. 2x N-female socket; 18 dBi; IP67 (-45-+70 °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 ANT793-8DJ, 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	18 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 vertical-horizontal
radiation characteristic	directional
antenna gain compared to spherical radiator	18 dB
<ul style="list-style-type: none"> of the WLAN antenna / in the 5 GHz frequency band 	
standing wave ratio (VSWR) / maximum	1.7
radiating angle of the antenna	17°
<ul style="list-style-type: none"> in the 5 GHz frequency band / horizontal in the 5 GHz frequency band / vertical 	17°
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	30 dB
front-to-back ratio	30 dB

mechanical data

material	
<ul style="list-style-type: none"> of outer shell 	Polycarbonate / aluminum

ambient conditions

ambient temperature	-45 ... +70 °C
<ul style="list-style-type: none"> during operation during storage during transport 	-45 ... +70 °C
protection class IP	IP67
wind load / maximum	104 N; frontal at 220 km/h

design, dimensions and weights

width	190 mm
height	190 mm
depth	30.5 mm
net weight	700 g
fastening method	
<ul style="list-style-type: none"> mast mounting wall mounting 	Yes
	Yes

- roof mounting
- directly on the device

No
No

standards, specifications, approvals

certificate of suitability

- RoHS conformity

product conformity

wireless approval

reference code / according to IEC 81346-2:2019

Yes
UL 94-HB
Current national approvals can be found on the Internet under
www.siemens.com/funkzulassungen
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>

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