

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	
<ul style="list-style-type: none"> for WLAN in 5 GHz frequency band 1 	5.15 ... 5.875 GHz
electrical data	
antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> of the WLAN antenna / in the 5 GHz frequency band 	18 dB
impedance	50 Ω
polarization	Dual linear vertical-horizontal
radiation characteristic	directional
standing wave ratio (VSWR) / maximum	1.7
radiating angle of the antenna	
<ul style="list-style-type: none"> in the 5 GHz frequency band / horizontal in the 5 GHz frequency band / vertical 	17° 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	
<ul style="list-style-type: none"> during operation during storage during transport 	-45 ... +70 °C -45 ... +70 °C -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 roof mounting 	Yes Yes No

<ul style="list-style-type: none"> • directly on the device 	No
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes
product conformity	UL 94-HB
wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen
reference code / according to IEC 81346-2:2019	TFB
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to web page: WLAN country approval • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/wireless-approvals https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)

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