

product type designation



Antenna ANT793-8DK

ANT793-8DK IWLAN antenna vertically-horizontally polarized with strong directional effect incl. 2x N-female socket; 23 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 ANT793-8DK, 1x mounting aid for alignment .

radio frequencies

type of wireless network / is supported	WLAN
operating frequency	
• for WLAN in 5 GHz frequency band 1	5.15 ... 5.875 GHz
antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	23 dB

electrical data

impedance	50 Ω
polarization	Dual linear vertical-horizontal
radiation characteristic	directional
antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	23 dB
standing wave ratio (VSWR) / maximum	1.7
radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	9°
• in the 5 GHz frequency band / vertical	9°
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	40 dB
front-to-back ratio	35 dB

mechanical data

material	
• of outer shell	Polycarbonate

ambient conditions

ambient temperature	
• during operation	-45 ... +70 °C
• during storage	-45 ... +70 °C
• during transport	-45 ... +70 °C
protection class IP	IP67
wind load / maximum	389 N; frontal at 220 km/h

design, dimensions and weights

width	371 mm
height	371 mm
depth	40 mm
net weight	2500 g
fastening method	
• mast mounting	Yes
• wall mounting	Yes

- roof mounting
- directly on the device

No
No

standards, specifications, approvals

certificate of suitability

- RoHS conformity

wireless approval

reference code / according to IEC 81346-2:2019

Yes

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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