SIEMENS

Data sheet 6GK5793-8DJ00-0AA0

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 national approvals to be observed; Mounting on wall or mast; Compact instructions as hard copy English/German; Scope of delivery: 1x ANT793-8DJ, 1x mounting aid for alignment

Radio frequencies	
Type of mobile network / is supported	WLAN
Operating frequency	
• for WLAN in 5 GHz frequency band 1	5.25 ... 5.875 GHz

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	18 dB
Standing wave ratio (VSWR) / maximum	1.7
Radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	17°
• 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

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Angle of inclination / downward / maximum	0°
Crosstalk attenuation / between the antenna connections	30 dB
Front-to-back ratio	30 dB

Mechanical data

Material	
• of outer shell	Polycarbonate / aluminum

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	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
Mounting type	
• mast mounting	Yes
• wall mounting	Yes
• roof mounting	No
• directly on the device	No

Standards, specifications, approvals

Certificate of suitability	
• RoHS conformity	Yes
Product conformity	UL 94-HB
Wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen

Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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