SIEMENS

Data sheet 6GK5793-8DP00-0AA0

Product type designation



Antenna ANT793-8DP

ANT793-8DP IWLAN antenna with strong directional effect incl. N-female connector: 13/13.5 dBi; IP66/67; (-40 - +80 °C); 4.9-5.35 GHz; Wi-Fi compliance and observe national approvals! Mounting on wall or mast; Compact instructions as hard copy English/German; Scope of delivery: 1x ANT793-8DP, 1x mounting aid for alignment

Radio frequencies	
Type of mobile network / is supported	WLAN
Operating frequency	
• for WLAN in 5 GHz frequency band 1	4.9 ... 5.35 GHz

Electrical data	
Impedance	50 Ω
Polarization	linear vertical
Radiation characteristic	directional
Antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	13.5 dB
Standing wave ratio (VSWR) / maximum	1.5
Radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	40°
• in the 5 GHz frequency band / vertical	35°
Number of electrical connections / of the antenna	1
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°
Front-to-back ratio	20 dB

Mechanical data

Material	
• of outer shell	Lexan EXL 9330

Ambient conditions

Ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• 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
Mounting type	
• mast mounting	Yes
• wall mounting	Yes
• roof mounting	No
• directly on the device	No

Product features, product functions, product components / general

Product feature / silicon-free	Yes

Standards, specifications, approvals

Certificate of suitability	
• RoHS conformity	Yes
• Railway application in accordance with EN 50155	Yes
• Fire protection in accordance with EN 45545-2	Yes
Product conformity	UL 94-V0
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

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