

Product type designation



Antenna ANT793-6DG

IWLAN ANTENNA ANT 793-6DG DUAL SLANT ANTENNA WITH WEAK DIRECTIONAL EFFICIENCY INCL. 2X N-FEMALE CONNECTOR: 9 DBI; IP67 (-40-+80DGR C), 5GHZ; WI-FI COMPLIANCE AND PLEASE NOTE NATIONAL APPROVALS; WALL OR MAST MOUNTING; COMPACT INSTRUCTIONS ON PAPER GERMAN / ENGLISH; SCOPE OF SUPPLY: 1X ANT793-6DG, 1X MOUNTING ALIGNMENT AID

Wireless frequencies

Type of mobile network / is supported	WLAN
Operating frequency	
• for WLAN in 5 GHz frequency band 1	5.15 ... 5.875 GHz

Electrical data

Impedance	50 Ω
Polarization	dual linear +/- 45° slant
Radiation characteristic	directional
Antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	9 dB
Standing wave ratio (VSWR) / maximum	2
Radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	70°
• in the 5 GHz frequency band / vertical	60°
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	20 dB
Front-to-back ratio	20 dB
Transmit power / maximum	10 W; at 25° ambient temperature

Mechanical data

Material	
• of outer shell	Lexan EXL 9330

Permitted 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 weight

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

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
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
- to website: Industry Online Support

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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