

Product type designation

Antenna ANT793-8DL

ANT793-8DL IWLAN antenna vertically-horizontally polarized with strong directional effect incl. 2x N-female socket; 14 dBi; IP66 (-45-+70°C), 5 GHz; suitable for railway applications; Wi-Fi compliance and Observe national approvals; Mounting on wall or mast; compact instructions as hard copy English/German; scope of delivery: 1x ANT793-8DL, 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 ... 5.9 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	14 dB
Standing wave ratio (VSWR) / maximum	2.5
Radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	30°
• in the 5 GHz frequency band / vertical	30°
Number of electrical connections / of the antenna	2
Type of electrical connection / of the antenna	N-Connector
Design of plug-in connection	female

Crosstalk attenuation / between the antenna connections	19 dB
Front-to-back ratio	35 dB

Mechanical data

Material	
• of outer shell	ASA

Ambient conditions

Ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Protection class IP	IP66
Wind load / maximum	suitable for wind speeds up to 200 km/h

Design, dimensions and weights

Width	100 mm
Height	283 mm; incl. bracket
Depth	40 mm
Net weight	520 g
Mounting type	
• mast mounting	No
• flat-roof mounting	No
• wall mounting	Yes
• roof mounting	Yes
• directly on the device	No

Product features, product functions, product components / general

Product feature / silicon-free	Yes
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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
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<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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