

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 wireless network / is supported	WLAN
operating frequency	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> of the WLAN antenna / in the 5 GHz frequency band 	14 dB
standing wave ratio (VSWR) / maximum	2.5
radiating angle of the antenna	
<ul style="list-style-type: none"> in the 5 GHz frequency band / horizontal in the 5 GHz frequency band / vertical 	30° 30°; take the antenna diagram into account
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	
<ul style="list-style-type: none"> of outer shell 	ASA
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	-40 ... +70 °C -40 ... +70 °C -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
fastening method	
<ul style="list-style-type: none"> mast mounting 	No

- flat roof mounting
- wall mounting
- roof mounting
- directly on the device

No
Yes
Yes
No

product features, product functions, product components / general

product feature / silicon-free

Yes

standards, specifications, approvals

certificate of suitability

- RoHS conformity
- railway application in accordance with EN 50155
- fire protection in accordance with EN 45545-2

Yes
Yes
Yes

wireless approval

Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen

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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