SIEMENS

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 German/English; scope of delivery: 1x ANT793-8DL, 1x mounting aid for alignment .

radio frequencies

type of wireless network / is supported	WLAN
operating frequency	
● for WLAN in 5 GHz frequency band 1	4.9 ... 5.9 GHz
antenna gain compared to spherical radiator	
● of the WLAN antenna / in the 5 GHz frequency band	14 dB

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°; 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	
● 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
fastening method	
● mast mounting	Yes

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● flat roof mounting	No
● 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
wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen
reference code	
● according to IEC 81346-2	TF
● according to IEC 81346-2:2019	TFB
further information / internet-Links	
Internet-Link	
● to web page: selection aid TIA 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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