

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
• flat roof mounting	No

<ul style="list-style-type: none"> • wall mounting • roof mounting • directly on the device 	Yes No No
product features, product functions, product components / general	
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • 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
reference code / according to IEC 81346-2:2019	TFB
further information / internet links	
internet link	
<ul style="list-style-type: none"> • 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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