

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 <ul style="list-style-type: none"> for WLAN in 5 GHz frequency band 1 	4.9 ... 5.9 GHz
antenna gain compared to spherical radiator <ul style="list-style-type: none"> 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 <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 	Yes

<ul style="list-style-type: none"> • flat roof mounting • wall mounting • roof mounting • directly on the device 	<p>No</p> <p>Yes</p> <p>No</p> <p>No</p>
product features, product functions, product components / general	
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	Yes
<ul style="list-style-type: none"> • RoHS conformity • railway application in accordance with EN 50155 • fire protection in accordance with EN 45545-2 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen
reference code	TF
<ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 	<p>TF</p> <p>TFB</p>
further information / internet-Links	
Internet-Link	<ul style="list-style-type: none"> • 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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