

product type designation



Antenna ANT793-8DP

ANT793-8DP IWLAN antenna with strong directional effect incl. N-female plug: 13/13.5 dBi; IP66/67; (-40-+80 °C); 4.9-5.35 GHz; Wi-Fi compliance and observe national approvals! Mounting on wall or mast; Compact instructions as hard copy German/English; scope of delivery: 1x ANT793-8DP, 1x mounting aid for alignment .

radio frequencies

type of wireless network / is supported	WLAN
operating frequency	4.9 ... 5.35 GHz
for WLAN in 5 GHz frequency band 1	
antenna gain compared to spherical radiator	13.5 dB
of the WLAN antenna / in the 5 GHz frequency band	

electrical data

impedance	50 Ω
polarization	linear vertical
radiation characteristic	directional
antenna gain compared to spherical radiator	13.5 dB
of the WLAN antenna / in the 5 GHz frequency band	
standing wave ratio (VSWR) / maximum	1.5
radiating angle of the antenna	
in the 5 GHz frequency band / horizontal	40°
in the 5 GHz frequency band / vertical	35°
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	female
angle of inclination / downward / maximum	0°
front-to-back ratio	20 dB

mechanical data

material	
of outer shell	Lexan EXL 9330

ambient conditions

ambient temperature	
during operation	-40 ... +80 °C
during storage	-40 ... +80 °C
during transport	-40 ... +80 °C
protection class IP	IP66/67
wind load / maximum	15 N; frontal at 160 km/h

design, dimensions and weights

width	80 mm
height	101 mm
depth	35 mm
net weight	110 g
fastening method	
mast mounting	Yes
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	Yes
• RoHS conformity	Yes
• railway application in accordance with EN 50155	Yes
• fire protection in accordance with EN 45545-2	Yes
product conformity	UL 94-V0
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	
• 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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