


product type designation



Antenna ANT793-6DG

ANT793-6DG IWLAN antenna Dual-slant antenna with weak directional effect incl. 2x N-female connectors: 9 dBi; IP66/67 (-40-+80 °C), 5 GHz; Wi-Fi compliance and observe national approvals; mounting on wall or mast; compact instructions as hard copy German/English; scope of delivery: 1x ANT793-6DG, 1x mounting aid for alignment .

radio frequencies	
type of wireless network / is supported	WLAN
operating frequency	
• for WLAN in 5 GHz frequency band 1	5.15 ... 5.875 GHz
antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	9 dB
electrical data	
impedance	50 Ω
polarization	dual linear +/- 45° slant
radiation characteristic	Sector antenna
antenna gain compared to spherical radiator	
• of the WLAN antenna / in the 5 GHz frequency band	9 dB
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
• in the 5 GHz frequency band / horizontal	70°
• in the 5 GHz frequency band / vertical	60°
number of electrical connections / of the antenna	2
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	female
angle of inclination / downward / maximum	0°
crosstalk attenuation / between the antenna connections	20 dB
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

<ul style="list-style-type: none"> • wall mounting • roof mounting • directly on the device 	Yes No No
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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