

product type designation



Antenna ANT793-8DK

ANT793-8DK IWLAN antenna vertically-horizontally polarized with strong directional effect incl. 2x N-female socket; 23 dBi; IP67 (-45-+70 °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 ANT793-8DK, 1x mounting aid for alignment .

radio frequencies	
type of wireless network / is supported	WLAN
operating frequency	5.15 ... 5.875 GHz
<ul style="list-style-type: none"> for WLAN in 5 GHz frequency band 1 	
antenna gain compared to spherical radiator	23 dB
<ul style="list-style-type: none"> of the WLAN antenna / in the 5 GHz frequency band 	
electrical data	
impedance	50 Ω
polarization	Dual linear vertical-horizontal
radiation characteristic	directional
antenna gain compared to spherical radiator	23 dB
<ul style="list-style-type: none"> of the WLAN antenna / in the 5 GHz frequency band 	
standing wave ratio (VSWR) / maximum	1.7
radiating angle of the antenna	
<ul style="list-style-type: none"> in the 5 GHz frequency band / horizontal 	9°
<ul style="list-style-type: none"> in the 5 GHz frequency band / vertical 	9°
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	40 dB
front-to-back ratio	35 dB
mechanical data	
material	
<ul style="list-style-type: none"> of outer shell 	Polycarbonate
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation 	-45 ... +70 °C
<ul style="list-style-type: none"> during storage 	-45 ... +70 °C
<ul style="list-style-type: none"> during transport 	-45 ... +70 °C
protection class IP	IP67
wind load / maximum	389 N; frontal at 220 km/h
design, dimensions and weights	
width	371 mm
height	371 mm
depth	40 mm
net weight	2500 g
fastening method	

<ul style="list-style-type: none"> • mast mounting • wall mounting • roof mounting • directly on the device 	<p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p>
standards, specifications, approvals	
certificate of suitability <ul style="list-style-type: none"> • RoHS conformity 	Yes
wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen
reference code <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 • 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 	<p>http://www.siemens.com/snst</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
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