

product type designation



Antenna ANT795-4MD

ANT795-4MD WLAN antenna with omnidirectional Characteristic; including N-Connect male plug with fixed 90° angle; 3/5 dBi; IP65 (-20-+60 °C), 2.4/5GHz; Wi-Fi compliance and observe national approvals; direct mounting on SCALANCE W with N-Connect connection system; scope of delivery: 1x ANT795-4MD, compact instructions as hard copy German/English.

radio frequencies

type of wireless network / is supported	WLAN
operating frequency	
<ul style="list-style-type: none"> for WLAN in 2.4 GHz frequency band 	2.4 ... 2.4835 GHz
<ul style="list-style-type: none"> for WLAN in 5 GHz frequency band 1 	5.15 ... 5.35 GHz
<ul style="list-style-type: none"> for WLAN in 5 GHz frequency band 2 	5.725 ... 5.85 GHz
antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> of the WLAN antenna / in the 2.4 GHz frequency band 	3 dB
<ul style="list-style-type: none"> of the WLAN antenna / in the 5 GHz frequency band 	5 dB

electrical data

impedance	50 Ω
polarization	linear vertical
radiation characteristic	omnidirectional
antenna gain compared to spherical radiator	
<ul style="list-style-type: none"> of the WLAN antenna / in the 2.4 GHz frequency band 	3 dB
<ul style="list-style-type: none"> of the WLAN antenna / in the 5 GHz frequency band 	5 dB
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
<ul style="list-style-type: none"> in the 2.4 GHz frequency band / horizontal 	360°
<ul style="list-style-type: none"> in the 5 GHz frequency band / horizontal 	360°
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	male, 90° angle
angle of inclination / downward / maximum	0°

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 	-20 ... +65 °C
<ul style="list-style-type: none"> during storage 	-20 ... +65 °C
<ul style="list-style-type: none"> during transport 	-20 ... +65 °C
protection class IP	IP65

design, dimensions and weights

width	35 mm
height	160 mm
depth	13 mm
net weight	40 g

fastening method	
<ul style="list-style-type: none"> • mast mounting • wall mounting • roof mounting • directly on the device 	<p>No</p> <p>No</p> <p>No</p> <p>Yes</p>
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 	Yes
product conformity	UL 94-HB
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 	<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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