SIEMENS

product type designation	**Antenna ANT795-4MX**

ANT795-4MX antenna with omnidirectional characteristic; with railway approval; incl. N-Connect male plug straight: 2/2.5 dBi; IP68/69K (-40-+85 °C), WLAN 2.4/5 GHz and private 5G networks; Wi-Fi compliance and observe national approvals; direct mounting on SCALANCE devices with N-Connect connection system; scope of delivery: 1x ANT795-4MX, compact instructions as hard copy German/English.

radio frequencies

type of wireless network / is supported	5G private networks, WLAN
operating frequency	1575.42 MHz, 1700 MHz, 1800 MHz, 1900 MHz, 2100 MHz, 2200 MHz, 2600 MHz
operating frequency / 1	1700 ... 2000 MHz
operating frequency / 2	2000 ... 2700 MHz
operating frequency / 3	2700 ... 3800 MHz
operating frequency / 4	4900 ... 5925 MHz
operating frequency / 5	5925 ... 7125 MHz
antenna gain compared to spherical radiator	
● of the WLAN antenna / in the 2.4 GHz frequency band	2 dB
● of the WLAN antenna / in the 5 GHz frequency band	2.5 dB

electrical data

impedance	50 Ω
polarization	linear vertical
radiation characteristic	omnidirectional
antenna gain compared to spherical radiator	
● of the WLAN antenna / in the 2.4 GHz frequency band	2 dB
● of the WLAN antenna / in the 5 GHz frequency band	2.5 dB
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
● in the 2.4 GHz frequency band / horizontal	360°
● 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, straight
angle of inclination / downward / maximum	0°

mechanical data

material	
● of outer shell	ASA

ambient conditions

ambient temperature	
● during operation	-40 ... +85 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
protection class IP	IP68/IP69K
shock resistance	according to EN61373, category1, class b (for railway carriage)

design, dimensions and weights

height	55 mm
diameter	22 mm
net weight	50 g
fastening method	
● wall mounting	No
● roof mounting	No
● directly on the device	Yes

product features, product functions, product components / general	
product feature / silicon-free	Yes

standards, specifications, approvals	
certificate of suitability	
● RoHS conformity	Yes
● railway application in accordance with EN 50155	Yes
● fire protection in accordance with EN 45545-2	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	
● 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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