

### 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 / 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	
• with linear radiation / in operating frequency area 1 / typical	1.5 dB
• with linear radiation / in operating frequency area 2 / typical	2 dB
• with linear radiation / in operating frequency area 3 / typical	1.5 dB
• with linear radiation / in operating frequency area 4 / typical	2 dB
• with linear radiation / in operating frequency area 5 / typical	2.5 dB
• with linear radiation / in operating frequency area 6 / typical	3 dB

### electrical data

impedance	50 Ω
polarization	linear vertical
radiation characteristic	omnidirectional
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)
<b>design, dimensions and weights</b>	
height	55 mm
diameter	22 mm
net weight	50 g
fastening method	
• wall mounting	No
• roof mounting	No
• directly on the device	Yes
<b>product features, product functions, product components / general</b>	
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
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 <a href="http://www.siemens.com/funkzulassungen">www.siemens.com/funkzulassungen</a>
reference code / according to IEC 81346-2:2019	TFB
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAX-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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