

### Product type designation



### Antenna ANT795-4MX

IWLAN ANTENNA ANT 795-4MX WITH OMNIDIRECTIONAL CHARACTERISTIC; WITH RAILWAY CERT., INCL. N-CONNECT MALE CONNECTOR STRAIGHT; ANTENNA GAIN: 2/2,5 DBI; IP67/69K (-40+85DGR C), 2.4/5GHZ; NOTE WI-FI COMPLIANCE AND NATIONAL APPROVALS; MOUNTING DIRECTLY TO SCALANCE W WITH N-CONNECT CONNECT. TECHN.; SCOPE OF SUPPLY: 1X ANT795-4MX COMPACT MANUAL ON PAPER GERMAN/ENGLISH;

Wireless frequencies	
Type of mobile network / is supported	LTE
Operating frequency	<ul style="list-style-type: none"> <li>• for WLAN in 2.4 GHz frequency band 2 ... 2.7 GHz</li> <li>• for WLAN in 5 GHz frequency band 1 4.9 ... 5.15 GHz</li> <li>• for WLAN in 5 GHz frequency band 2 5.15 ... 6 GHz</li> </ul>
Operating frequency	1575.42 MHz, 1700 MHz, 1800 MHz, 1900 MHz, 2100 MHz, 2200 MHz, 2600 MHz
Electrical data	
Impedance	50 Ω
Polarization	linear vertical
Radiation characteristic	omnidirectional
Antenna gain compared to spherical radiator	<ul style="list-style-type: none"> <li>• of the WLAN antenna / in the 2.4 GHz frequency band 2 dB</li> <li>• of the WLAN antenna / in the 5 GHz frequency band 2.5 dB</li> </ul>
Standing wave ratio (VSWR) / maximum	2
Radiating angle of the antenna	<ul style="list-style-type: none"> <li>• in the 2.4 GHz frequency band / horizontal 360°</li> <li>• in the 5 GHz frequency band / horizontal 360°</li> </ul>
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°
Transmit power / maximum	10 W; at 25° ambient temperature

### Mechanical data

Material	
<ul style="list-style-type: none"> <li>of outer shell</li> </ul>	ASA

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-40 ... +85 °C
Protection class IP	IP68 / IP69K
Shock resistance	according to EN61373, category1, class b (for railway carriage)

### Design, dimensions and weight

Height	55 mm
Diameter	22 mm
Net weight	50 g
Mounting type	
<ul style="list-style-type: none"> <li>wall mounting</li> <li>roof mounting</li> <li>directly on the device</li> </ul>	No No Yes

### Product properties, functions, components / general

Product property / silicon-free	Yes
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### Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> <li>for hazardous zone</li> </ul>	rail application according to DIN5510-2
Certificate of suitability	
<ul style="list-style-type: none"> <li>RoHS conformity</li> <li>Railway application in accordance with EN 50155</li> <li>Fire protection in accordance with EN 45545-2</li> </ul>	Yes Yes 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>

### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> <li>to website: Industrial communication</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a> <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/automation/net/catalog">http://www.siemens.com/automation/net/catalog</a>

- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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