

### product type designation



### Antenna ANT792-6MN

ANT792-6MN WLAN antenna with omnidirectional characteristic incl. N-female plug: 6 dBi IP67 (-40-+70 °C); 2.4 GHz; Wi-Fi compliance and observe national approvals; mounting on wall or mast, compact instructions as hard copy German/English, scope of delivery: 1x ANT792-6MN, 1x terminating resistor TI795-1R .

### radio frequencies

type of wireless network / is supported	WLAN
operating frequency	2.4 ... 2.5 GHz
<ul style="list-style-type: none"> <li>for WLAN in 2.4 GHz frequency band</li> </ul>	
antenna gain compared to spherical radiator	6 dB
<ul style="list-style-type: none"> <li>of the WLAN antenna / in the 2.4 GHz frequency band</li> </ul>	

### electrical data

impedance	50 Ω
polarization	linear vertical
radiation characteristic	omnidirectional
antenna gain compared to spherical radiator	6 dB
<ul style="list-style-type: none"> <li>of the WLAN antenna / in the 2.4 GHz frequency band</li> </ul>	
standing wave ratio (VSWR) / maximum	1.8
radiating angle of the antenna	
<ul style="list-style-type: none"> <li>in the 2.4 GHz frequency band / horizontal</li> <li>in the 2.4 GHz frequency band / vertical</li> </ul>	360° 30°
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	N-Connector
design of plug-in connection	female
angle of inclination / downward / maximum	0°

### mechanical data

material	
<ul style="list-style-type: none"> <li>of outer shell</li> </ul>	Glass fiber

### ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-40 ... +80 °C -40 ... +80 °C -40 ... +80 °C
protection class IP	IP67
wind load / maximum	3 N; at 160 km/h

### design, dimensions and weights

width	50 mm
height	370 mm
depth	40 mm
net weight	300 g
fastening method	
<ul style="list-style-type: none"> <li>mast mounting</li> <li>wall mounting</li> </ul>	Yes Yes

- roof mounting
- directly on the device

No  
No

#### product features, product functions, product components / general

product feature / silicon-free

Yes

#### standards, specifications, approvals

certificate of suitability

- RoHS conformity

Yes

product conformity

UL 94-HB

wireless approval

Current national approvals can be found on the Internet under [www.siemens.com/funkzulassungen](http://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
- 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

<http://www.siemens.com/snst>  
<http://www.siemens.com/simatic-net>  
<https://mall.industry.siemens.com>  
<http://www.siemens.com/industry/infocenter>  
<http://automation.siemens.com/bilddb>  
<http://www.siemens.com/cax>  
<https://support.industry.siemens.com>

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