

### product type designation



### Antenna ANT793-6DT

\*\*\*\*\* spare part \*\*\*\*\* ANT793-6DT IWLAN antenna MIMO antenna with weak directional effect incl. 3x QMA sockets, 8 dBi, IP67 (-40-+85 °C), 5 GHz; Wi-Fi compliance and observe national approvals; mounting on wall or mast; compact instructions as hard copy German/English; scope of delivery: 1x ANT793-6DT, 1x mounting aid for alignment .

### radio frequencies

type of wireless network / is supported	WLAN
operating frequency	5.15 ... 5.875 GHz
<ul style="list-style-type: none"> <li>for WLAN in 5 GHz frequency band 1</li> </ul>	
antenna gain compared to spherical radiator	8 dB
<ul style="list-style-type: none"> <li>of the WLAN antenna / in the 5 GHz frequency band</li> </ul>	

### electrical data

impedance	50 Ω
polarization	3 ports: Vertical, +/- 45° slant
radiation characteristic	Sector antenna
antenna gain compared to spherical radiator	8 dB
<ul style="list-style-type: none"> <li>of the WLAN antenna / in the 5 GHz frequency band</li> </ul>	
standing wave ratio (VSWR) / maximum	1.7
radiating angle of the antenna	
<ul style="list-style-type: none"> <li>in the 5 GHz frequency band / horizontal</li> </ul>	65°
<ul style="list-style-type: none"> <li>in the 5 GHz frequency band / vertical</li> </ul>	65°
number of electrical connections / of the antenna	3
type of electrical connection / of the antenna	QMA Connector
design of plug-in connection	female
angle of inclination / downward / maximum	0°
crosstalk attenuation / between the antenna connections	17 dB

### mechanical data

material	
<ul style="list-style-type: none"> <li>of outer shell</li> </ul>	Lexan EXL 9330

### ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +85 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +85 °C
protection class IP	IP66/67
wind load / maximum	15 N; frontal at 160 km/h

### design, dimensions and weights

width	80 mm
height	101 mm
depth	35 mm
net weight	270 g
fastening method	
<ul style="list-style-type: none"> <li>mast mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>wall mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>roof mounting</li> </ul>	No

<ul style="list-style-type: none"> <li>• directly on the device</li> </ul>	No
<b>standards, specifications, approvals</b>	
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> product conformity           wireless approval           reference code / according to IEC 81346-2:2019	Yes Yes Yes UL 94-V0, UL 746C F1 Current national approvals can be found on the Internet under <a href="http://www.siemens.com/funkzulassungen">www.siemens.com/funkzulassungen</a> TFB
<b>further information / internet-Links</b>	
Internet-Link <ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</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/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
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