

Product type designation

Antenna ANT896-6MH

ANT896-6MH mobile wireless antenna for GSM (2G), UMTS (3G) and LTE (4G) Networks, for Suitable for railway applications, Omnidirectional Characteristic, incl. N-female connector: 5/6 dBi; IP69K (-40...+85 °C), Observe national approvals; Mounting on vehicle roof; compact instructions as hard copy English/German; scope of delivery: 1x ANT 896-6MH,



Radio frequencies

Type of mobile network / is supported	GSM, UMTS, LTE
Operating frequency	2.4 ... 2.7 GHz
<ul style="list-style-type: none"> for WLAN in 2.4 GHz frequency band 	
Operating frequency	700 MHz, 800 MHz, 850 MHz, 900 MHz, 1575.42 MHz, 1700 MHz, 1800 MHz, 1900 MHz, 2100 MHz, 2600 MHz

Electrical data

Impedance	50 Ω
Polarization	linear vertical
Radiation characteristic	omnidirectional
Antenna gain compared to spherical radiator	5 dB
<ul style="list-style-type: none"> with linear radiation 	
Standing wave ratio (VSWR) / maximum	2.2
Radiating angle of the antenna	360°
<ul style="list-style-type: none"> horizontal 	
Number of electrical connections / of the antenna	1
Type of electrical connection / of the antenna	N-Connector
Design of plug-in connection	female

Ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> during operation during storage 	-40 ... +85 °C
Protection class IP	IP69K
Wind load / maximum	Survival at 500 km/h

Design, dimensions and weights	
Width	100 mm
Height	40 mm
Depth	145 mm
Net weight	488 g
Mounting type	
<ul style="list-style-type: none"> flat-roof mounting directly on the device 	Yes No

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

Standards, specifications, approvals	
Certificate of suitability	Railway application acc. to DIN5510-2, BS6853, NF-F-16-101, NF-F-16-102
Certificate of suitability	
<ul style="list-style-type: none"> RoHS conformity Railway application in accordance with EN 50155 Fire protection in accordance with EN 45545-2 	Yes Yes Yes
Wireless approval	Current national approvals can be found on the Internet under www.siemens.com/mobifunkzulassungen

Further information / Internet-Links	
Internet-Link	
<ul style="list-style-type: none"> to website: Selector SIMATIC NET 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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