

Product type designation



Antenna ANT896-4MA

IRC ANTENNA ANT 896-4MA FOR GSM (2G), UMTS (3G) AND LTE (4G) NETWORKS, OMNI- DIRECTIONAL CHARACTERISTIC RADIAL ROTATABLE, WITH ADDITIONAL JOINT, ANTENNA GAIN: 2DBI, INCL. SMA CONNECT.,IP54, (-40..+85DGR C), PLEASE NOTE NATIONAL APPROVALS; FOR DIRECT MOUNTING WITH SMA CONNECT. TECHNOLOGY; SCOPE OF SUPPLY: 1X ANT896-4MA COMPACT MANUAL ON PAPER GERMAN / ENGLISH;

Wireless frequencies

Type of mobile network / is supported	GSM, UMTS, LTE
Operating frequency	700 MHz, 800 MHz, 850 MHz, 900 MHz, 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	
• with linear radiation	2 dB
Standing wave ratio (VSWR) / maximum	2.5
Radiating angle of the antenna	
• horizontal	360°
Number of electrical connections / of the antenna	1
Type of electrical connection / of the antenna	SMA Connector
Design of plug-in connection	male, variable 0-90°
Transmit power / maximum	5 W

Permitted ambient conditions

Ambient temperature	
• during operation	-40 ... +85 °C
Protection class IP	IP54

Design, dimensions and weight

Height	21 mm
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Mounting type	
<ul style="list-style-type: none"> • flat-roof mounting • directly on the device 	<p>No</p> <p>Yes</p>

Product properties, functions, components / general

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

Certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes
Wireless approval	Current national approvals can be found on the Internet under www.siemens.com/mobilfunkzulassungen

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

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