

### Product type designation



### Antenna ANT896-4ME

IRC ANTENNA ANT 896-4ME FOR GSM (2G), UMTS (3G) AND LTE (4G) NETWORKS, OMNI- DIRECTIONAL CHARACTERISTIC INCL. N-FEMALE CONNECTOR: 3DBI; IP66 (-40+70DGR C), PLEASE NOTE NATIONAL APPROVALS; MOUNTING ON SWITCHING CABINET; COMPACT MANUAL ON PAPER GERMAN / ENGLISH; SCOPE OF SUPPLY: 1X ANT896-4ME

### 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 $\Omega$
Polarization	linear vertical
Radiation characteristic	omnidirectional
Antenna gain compared to spherical radiator <ul style="list-style-type: none"> <li>with linear radiation</li> </ul>	3 dB
Standing wave ratio (VSWR) / maximum	2
Radiating angle of the antenna <ul style="list-style-type: none"> <li>horizontal</li> </ul>	360°
Number of electrical connections / of the antenna	1
Type of electrical connection / of the antenna	N-Connector
Design of plug-in connection	female
Transmit power / maximum	150 W

### Permitted ambient conditions

Ambient temperature <ul style="list-style-type: none"> <li>during operation</li> </ul>	-40 ... +70 °C
Protection class IP	IP66

### Design, dimensions and weight

Height	61 mm
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Diameter	38.1 mm
Mounting type	
• flat-roof mounting	Yes
• directly on the device	No

### Product properties, functions, components / general

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

Certificate of suitability	
• RoHS conformity	Yes
Wireless approval	Current national approvals can be found on the Internet under <a href="http://www.siemens.com/mobilfunkzulassungen">www.siemens.com/mobilfunkzulassungen</a>

### Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/automation/net/catalog">http://www.siemens.com/automation/net/catalog</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx Download Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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