SIEMENS

Data sheet 6NH9860-1AA00

product type designation



Antenna ANT794-4MR

ANT794-4MR mobile wireless antenna for 2G/3G/4G EU, GSM/UMTS/ LTE EU networks, Rod antenna; omnidirectional; weatherproof for indoors and outdoors; 5 m Connection cable permanently connected to the antenna; SMA connector; incl. mounting bracket, screws, screw anchor.

type of wireless network / is supported Operating frequency / 1 Operating frequency / 2 Operating frequency / 2 Operating frequency / 3 Operating frequency / 4 Oper	
operating frequency / 1 operating frequency / 2 operating frequency / 3 operating frequency / 2 operating frequency / 3 opera	
operating frequency / 2 operating frequency / 3 2400 2690 MHz electrical data antenna gain impedance 50 Ω polarization radiation characteristic standing wave ratio (VSWR) / maximum 2 number of electrical connections / of the antenna type of electrical connection / of the antenna design of plug-in connection material • of outer shell • of cable sheath bending radius • with single bend / minimum permissible • with multiple bends / minimum permissible ambient conditions ambient temperature • during operation 1710 2170 MHz 2400 2690 MHz electrical data on dB impedance 50 Ω SMA Connector male 11 Type of electrical connection / of the antenna 12 Type of electrical connection / of the antenna 13 Type of electrical connection / of the antenna 14 Type of electrical connection / of the antenna 15 Type of electrical connection / of the antenna 16 Type of electrical connection / of the antenna 17 Type of electrical connection / of the antenna 18 Type of electrical connection / of the antenna 19 Type of electrical connection / of the antenna 10 Type of electrical connection / of the antenna 11 Type of electrical connection / of the antenna 11 Type of electrical connection / of the antenna 11 Type of electrical connection / of the antenna 11 Type of electrical 11 Type of electrical 12 Type of electrical 13 Type of electrical 14 Type of electrical 15 Type of electrical 16 Type of electrical 17 Type of electrical 17 Type of electrical 17 Type of electrical 17 Type of electrical 18 Type of electrical 18 Type of electrical 19 Type of ele	
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ambient conditions ambient temperature • during operation -40 +85 °C	
ambient temperature ● during operation -40 +85 °C	
• during operation -40 +85 °C	
protection class IP IP54	
product feature / resistant to UV radiation Yes	
design, dimensions and weights	
width 25 mm	
height 193 mm	
depth 25 mm	
diameter 25 mm	
net weight 310 g	
fastening method mounting brackets and mounting parts, vertical mounting	
fastening method	
• mast mounting Yes	
• flat roof mounting No	
• wall mounting Yes	

roof mounting	No
directly on the device	No
wire length / of antenna cable	5 m
standards, specifications, approvals	
certificate of suitability	
RoHS conformity	Yes
reference code / according to IEC 81346-2:2019	TFB
further information / internet links	
internet link	
 to website: Selection guide for cables and connectors 	https://support.industry.siemens.com/cs/ww/en/view/109766358
 to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
 to website: Mobile radio national approval 	https://www.siemens.com/mobile-approvals
 to website: Industrial communication 	https://www.siemens.com/simatic-net
 to web page: SiePortal 	https://sieportal.siemens.com/
to website: Image database	https://www.automation.siemens.com/bilddb
to website: CAx-Download-Manager	https://www.siemens.com/cax
 to website: Industry Online Support 	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

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