

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; national approval and data sheet to be observed; scope of supply: 1 antenna, 1 mounting bracket, screws, screw anchors.

Technical Product Detail Page

<https://i.siemens.com/1P6NH9860-1AA00>

suitability for operation

for indoor and outdoor applications

radio frequencies

type of wireless network / is supported	LTE, UMTS, GSM
operating frequency / 1	790 ... 960 MHz
operating frequency / 2	1710 ... 2170 MHz
operating frequency / 3	2400 ... 2690 MHz

electrical data

antenna gain	0 dB
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	omnidirectional
standing wave ratio (VSWR) / maximum	2
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	SMA Connector
design of plug-in connection	male

mechanical data

material	
<ul style="list-style-type: none"> of outer shell of cable sheath 	Hard PVC, UV-resistant PVC
color / of cable sheath	Black
bending radius	
<ul style="list-style-type: none"> with single bend / minimum permissible with multiple bends / minimum permissible 	42 mm 83 mm

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> mast mounting 	Yes

<ul style="list-style-type: none"> • flat roof mounting • wall mounting • roof mounting • directly on the device 	No
	Yes
	No
	No
cable designation	Li02YS-St-C-Y 1
wire length / of antenna cable	5 m
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Mobile radio national approval • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/mobile-approvals https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
security information	
security information	<p>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)</p>

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