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

product brand name	SCALANCE
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 compared to spherical radiator	
● with linear radiation	typical gain
● with linear radiation / in operating frequency area 1 / typical	0 dB
● with linear radiation / in operating frequency area 2 / typical	0 dB
● with linear radiation / in operating frequency area 3 / typical	2 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	
● of outer shell	Hard PVC, UV-resistant
● of cable sheath	PVC
color / of cable sheath	Black
bending radius	
● with single bend / minimum permissible	42 mm
● with multiple bends / minimum permissible	83 mm
ambient conditions	
ambient temperature	
● during operation	-40 ... +85 °C
protection class IP	IP54
product feature / resistant to UV radiation	Yes
design, dimensions and weights	
width	25 mm

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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
cable designation	Li02YS-St-C-Y 1
wire length / of antenna cable	5 m
standards, specifications, approvals	
certificate of suitability	
● RoHS conformity	Yes
further information / internet links	
● internet link / to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● internet link / to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● internet link / to website: Mobile radio national approval	https://www.siemens.com/mobile-approvals
● internet link / to website: Industrial communication	https://www.siemens.com/simatic-net
● internet link / to web page: SiePortal	https://sieportal.siemens.com/
● internet link / to website: Image database	https://www.automation.siemens.com/bilddb
● internet link / to website: CAx-Download-Manager	https://www.siemens.com/cax
● internet link / 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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