

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://l.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
- with linear radiation / in operating frequency area 1 / typical
- with linear radiation / in operating frequency area 2 / typical
- with linear radiation / in operating frequency area 3 / typical

typical gain

0 dB

0 dB

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
- of cable sheath

Hard PVC, UV-resistant

PVC

color / of cable sheath

Black

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible

42 mm

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

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 • flat roof mounting • wall mounting • roof mounting • directly on the device	Yes No Yes No 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 • 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	
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