

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.

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 flat roof mounting wall mounting | Yes No Yes |

| | |
|---|---|
| <ul style="list-style-type: none"> • roof mounting • 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 | |
| <ul style="list-style-type: none"> • RoHS conformity | Yes |
| reference code / according to IEC 81346-2:2019 | TFB |
| 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 | |
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