SIEMENS

Data sheet 6NH9870-1AA00

product type designation



Antenna ANT794-3M

ANT794-3M mobile wireless antenna for 2G, GSM networks, flat antenna for 900/1800/ 1900 MHz; weatherproof for indoor and outer area; 1.2 m Connection cable permanently connected to the antenna; SMA connector; incl. adhesive tape for mounting.

| type of wireless network / is supported | suitability for operation | for indoor and outdoor applications |
|--|---|---|
| operating frequency antenna gain old antenna gain old radiation characteristic antenna gain old standing wave ratio (VSWR) / maximum type of electrical connection / of the antenna design of plug-in connection material of outer shell of outer shell ABS Polylac PA-765, light gray (RAL 7035) ambient conditions ambient conditions ambient temperature of uting operation videsign, dimensions and weights width height dosign, dimensions and weights net weight net weight fastening method fastening method fastening method omast mounting elate in a for mounting e | radio frequencies | |
| antenna gain oloctrical data radiation characteristic antenna gain ology standing wave ratio (VSWR) / maximum stype of electrical connection / of the antenna design of plug-in connection mechanical data material of otuer shell ABS Polylac PA-765, light gray (RAL 7035) ambient conditions ambient temperature olduring operation viding operation feeting to the shell 70.5 mm height 20.5 mm depth 146.5 mm net weight 130 g fastening method fastening method fastening method fastening method olar of mounting olar for of mounting vidired on for mounting vidired on for oncorring view length / of antenna cable iterations standards, specifications, approvals certificate of suitability ves reference code / according to IEC 81346-2:2019 further information / internet links internet link o to web page: selection aid TIA Selection Tool http://www.siemens.com/spst titler/www.siemens.com/spst | type of wireless network / is supported | GSM |
| olectrical data radiation characteristic directional antenna gain 0 dB standing wave ratio (VSWR) / maximum 1.5 type of electrical connection / of the antenna SMA Connector design of plug-in connection male mechanical data material • of outer shell ABS Polylac PA-765, light gray (RAL 7035) ambient conditions ambient temperature • during operation 40 +75 °C protection class IP IP64 design, dimensions and weights width 70.5 mm height 20.5 mm depth 146.5 mm net weight 130 g fastening method • mast mounting Yes • falt roof mounting No • wall mounting Yes • wall mounting Yes • roof mounting No • wall mounting Yes • directly on the device No wire length / of antenna cable 1.2 m standards, specifications, approvals certificate of suitability • RoHS conformity Yes reference code / according to IEC 81346-2:2019 further information / internet links internet link • to web page: selection aid TIA Selection Tool | operating frequency | 900 MHz, 1800 MHz, 1900 MHz |
| radiation characteristic directional antenna gain 0 dB standing wave ratio (VSWR) / maximum 1.5 stype of electrical connection / of the antenna SMA Connector design of plug-in connection male material • of outer shell ABS Polylac PA-765, light gray (RAL 7035) male material • of outer shell ABS Polylac PA-765, light gray (RAL 7035) male motion diffions ambient temperature • during operation 40 +75 °C protection class IP IP64 motions and weights width 70.5 mm height 20.5 mm depth 146.5 mm net weight 130 g fastening method screw fixing fastening method screw fixing fastening method • mast mounting No mast mounting No enable mounting No enable mounting No enable mounting No eight of antenna cable 1.2 m standards, specifications, approvals certificate of suitability Yes reference code / according to IEC 81346-2:2019 TFB further information internet links internet link • to we big age: selection aid TIA Selection Tool http://www.siemens.com/snst | antenna gain | 0 dB |
| antenna gain 0 dB standing wave ratio (VSWR) / maximum 1.5 type of electrical connection of the antenna SMA Connector design of plug-in connection male material • of outer shell ABS Polylac PA-765, light gray (RAL 7035) ambient conditions ambient temperature • during operation 40 +75 °C protection class IP design, dimensions and weights width 70.5 mm height 20.5 mm depth 146.5 mm net weight 130 g fastening method screw fixing fastening method • mast mounting Yes • flat roof mounting No • well mounting Yes • will mounting Yes • flat roof mounting No • well mounting Yes • directly on the device No wire length / of antenna cable 1.2 m standards, spocifications, approvals certificate of suitability • ROHS conformity Yes reference code / according to IEC 81346-2:2019 further information / internet links internet link • to we be page: selection aid TIA Selection Tool http://www.siemens.com/snst | electrical data | |
| standing wave ratio (VSWR) / maximum type of electrical connection / of the antenna design of plug-in connection male material of outer shell ambient conditions ambient temperature design, dimensions and weights width fastening method fastening method fastening method fastening method of mast mounting of fast roof mounting of elicity on the device in Gircely on the device No wire length / of antenna cable of course in the mast on the provision of the provision o | radiation characteristic | directional |
| type of electrical connection / of the antenna design of plug-in connection male machanical data of outer shell | antenna gain | 0 dB |
| design of plug-in connection male mechanical data material of of outer shell ABS Polylac PA-765, light gray (RAL 7035) ambient conditions ambient temperature outring operation 40 +75 °C protection class IP design, dimensions and weights width 70.5 mm height 20.5 mm depth 146.5 mm net weight 130 g fastening method screw fixing fastening method o mast mounting Yes offat roof mounting No outling of mounting Yes vire length of antenna cable standards, specifications, approvals certificate of suitability or RoHS conformity Tes reference code / according to IEC 81346-2:2019 TFB further information / internet links internet link or tour shell aBS Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs Polylac PA-765, light gray (RAL 7035) ambient conditions abs P | standing wave ratio (VSWR) / maximum | 1.5 |
| material of outer shell ambient conditions ambient temperature during operation protection class IP design, dimensions and weights width 70.5 mm height depth 146.5 mm net weight fastening method mast mounting wall mounting ves if lat roof mounting will mounting vies or roof mounting will mounting will mounting vies or roof mounting vies vier length / of antenna cable standards, specifications, approvals certificate of suitability RoHS conformity reference code / according to IEC 81346-2:2019 further information / internet links internet link to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | type of electrical connection / of the antenna | SMA Connector |
| material of outer shell ABS Polylac PA-765, light gray (RAL 7035) ambient conditions ambient temperature of during operation protection class IP IP64 design, dimensions and weights width 70.5 mm height depth 146.5 mm net weight 130 g fastening method of mast mounting of attening method of mast mounting of alt roof mounting of wall mounting of irroof mounting vies vie length of antenna cable standards, specifications, approvals certificate of suitability of Rother information / internet links internet link of to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | design of plug-in connection | male |
| of outer shell ABS Polylac PA-765, light gray (RAL 7035) ambient conditions ambient temperature | mechanical data | |
| ambient conditions ambient temperature • during operation protection class IP design, dimensions and weights width 70.5 mm height 20.5 mm depth 146.5 mm net weight 130 g fastening method • mast mounting • mast mounting • wall mounting • wall mounting • wire length of antenna cable wire length of antenna cable standards, specifications, approvals certificate of suitability • RoHS conformity reference code / according to IEC 81346-2:2019 Internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | material | |
| ambient temperature | of outer shell | ABS Polylac PA-765, light gray (RAL 7035) |
| • during operation protection class IP design, dimensions and weights width | ambient conditions | |
| protection class IP design, dimensions and weights width 70.5 mm height 20.5 mm depth 146.5 mm net weight 130 g fastening method 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 1.2 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 web page: selection aid TIA Selection Tool http://www.siemens.com/snst | ambient temperature | |
| width 70.5 mm height 20.5 mm depth 146.5 mm net weight 130 g fastening method screw fixing 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 1.2 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 web page: selection aid TIA Selection Tool http://www.siemens.com/snst | during operation | -40 +75 °C |
| width 70.5 mm height 20.5 mm depth 146.5 mm net weight 130 g fastening method screw fixing 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 1.2 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 web page: selection aid TIA Selection Tool | protection class IP | IP64 |
| height 20.5 mm depth 146.5 mm net weight 130 g fastening method screw fixing 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 1.2 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 web page: selection aid TIA Selection Tool http://www.siemens.com/snst | design, dimensions and weights | |
| depth 146.5 mm net weight 130 g fastening method screw fixing 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 1.2 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 web page: selection aid TIA Selection Tool http://www.siemens.com/snst | width | 70.5 mm |
| net weight fastening method fastening method • mast mounting • flat roof mounting • wall mounting • roof mounting • directly on the device wire length / of antenna cable standards, specifications, approvals certificate of suitability • ROHS conformity • ROHS conformity reference code / according to IEC 81346-2:2019 further information / internet links internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | height | 20.5 mm |
| fastening method • mast mounting • flat roof mounting • wall mounting • roof mounting • directly on the device wire length / of antenna cable standards, specifications, approvals certificate of suitability • ROHS conformity • ROHS conformity reference code / according to IEC 81346-2:2019 further information / internet links internet link • to web page: selection aid TIA Selection Tool server fixing Yes Tes http://www.siemens.com/snst | depth | 146.5 mm |
| fastening method • mast mounting • flat roof mounting • wall mounting • wall mounting • roof mounting • directly on the device No wire length / of antenna cable standards, specifications, approvals certificate of suitability • RoHS conformity • RoHS conformity reference code / according to IEC 81346-2:2019 further information / internet links internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | net weight | 130 g |
| mast mounting flat roof mounting wall mounting wall mounting roof mounting florectly on the device wire length / of antenna cable standards, specifications, approvals certificate of suitability RoHS conformity reference code / according to IEC 81346-2:2019 further information / internet links internet link to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | fastening method | screw fixing |
| flat roof mounting wall mounting roof mounting No directly on the device No wire length / of antenna cable standards, specifications, approvals certificate of suitability RoHS conformity Yes reference code / according to IEC 81346-2:2019 further information / internet links internet link to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | fastening method | |
| wall mounting roof mounting No directly on the device No wire length / of antenna cable standards, specifications, approvals certificate of suitability RoHS conformity reference code / according to IEC 81346-2:2019 TFB further information / internet links internet link to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | mast mounting | Yes |
| roof mounting o directly on the device No wire length / of antenna cable standards, specifications, approvals certificate of suitability RoHS conformity Yes reference code / according to IEC 81346-2:2019 further information / internet links internet link o to web page: selection aid TIA Selection Tool No | flat roof mounting | No |
| directly on the device wire length / of antenna cable standards, specifications, approvals certificate of suitability RoHS conformity reference code / according to IEC 81346-2:2019 TFB further information / internet links internet link to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | wall mounting | Yes |
| wire length / of antenna cable standards, specifications, approvals certificate of suitability • RoHS conformity reference code / according to IEC 81346-2:2019 further information / internet links internet link • to web page: selection aid TIA Selection Tool 1.2 m 1.2 m 1.2 m TFB TFB | roof mounting | No |
| standards, specifications, approvals certificate of suitability • RoHS conformity reference code / according to IEC 81346-2:2019 TFB further information / internet links internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | directly on the device | No |
| certificate of suitability • RoHS conformity reference code / according to IEC 81346-2:2019 further information / internet links internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | wire length / of antenna cable | 1.2 m |
| ● RoHS conformity reference code / according to IEC 81346-2:2019 TFB further information / internet links internet link ● to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | standards, specifications, approvals | |
| reference code / according to IEC 81346-2:2019 further information / internet links internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | certificate of suitability | |
| further information / internet links internet link • to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | RoHS conformity | Yes |
| internet link ● to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | reference code / according to IEC 81346-2:2019 | TFB |
| • to web page: selection aid TIA Selection Tool http://www.siemens.com/snst | further information / internet links | |
| | internet link | |
| • to website: Industrial communication http://www.siemens.com/simatic-net | to web page: selection aid TIA Selection Tool | http://www.siemens.com/snst |
| | to website: Industrial communication | http://www.siemens.com/simatic-net |

• to website: Industry Mall

• to website: Information and Download Center

• to website: Image database

to website: CAx-Download-Managerto website: Industry Online Support

https://mall.industry.siemens.com

 $\underline{\text{http://www.siemens.com/industry/infocenter}}$

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

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