



SIMATIC RF600 antenna RF622A; ETSI frequency 865-868 EU linear IP67, -20 to +70 °C, with 30 cm connecting cable.

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| suitability for operation                                             | SIMATIC RF600              |
| <b>radio frequencies</b>                                              |                            |
| transmission frequency                                                | 865 ... 868 MHz            |
| antenna gain compared to spherical radiator                           |                            |
| • with linear radiation                                               | -5 dB                      |
| <b>electrical data</b>                                                |                            |
| impedance                                                             | 50 Ω                       |
| polarization                                                          | Linear                     |
| antenna gain compared to spherical radiator                           |                            |
| • with linear radiation                                               | -5 dB                      |
| standing wave ratio (VSWR) / maximum                                  | 2                          |
| radiating angle of the antenna                                        |                            |
| • horizontal                                                          | 100°                       |
| • vertical                                                            | 75°                        |
| type of electrical connection / of the antenna                        | RP-TNC                     |
| design of plug-in connection                                          | male                       |
| <b>mechanical data</b>                                                |                            |
| material                                                              | Pocan                      |
| color                                                                 | Ti gray                    |
| tightening torque / of the screw for securing the equipment / maximum | 2 N·m                      |
| mounting distance                                                     |                            |
| • relating to metal surfaces / recommended / minimum                  | 0 m                        |
| <b>ambient conditions</b>                                             |                            |
| ambient temperature                                                   |                            |
| • during operation                                                    | -20 ... +70 °C             |
| • during storage                                                      | -40 ... +85 °C             |
| • during transport                                                    | -40 ... +85 °C             |
| protection class IP                                                   | IP65                       |
| shock resistance                                                      | according to EN 60068-2-27 |
| shock acceleration                                                    | 500 m/s <sup>2</sup>       |
| vibrational acceleration                                              | 200 m/s <sup>2</sup>       |
| <b>design, dimensions and weights</b>                                 |                            |
| width                                                                 | 76 mm                      |
| height                                                                | 76 mm                      |
| depth                                                                 | 20 mm                      |
| net weight                                                            | 120 g                      |
| fastening method                                                      | 2 screws M5                |

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| wire length / of antenna wire                                            | 0.3 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>product features, product functions, product components / general</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| product feature / silicon-free                                           | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>standards, specifications, approvals</b>                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| certificate of suitability                                               | CE (ETSI EN 302208)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| certificate of suitability                                               | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| • IECEx                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| reference code                                                           | TF<br>TFB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| • according to IEC 81346-2                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| • according to IEC 81346-2:2019                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>accessories</b>                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| accessories                                                              | Antenna cables 1 to 40 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>further information / internet-Links</b>                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Internet-Link                                                            | <a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a><br><a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a><br><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a><br><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a><br><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a><br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |
| • to web page: selection aid TIA Selection Tool                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| • to website: Industrial communication                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| • to website: Industry Mall                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| • to website: Information and Download Center                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| • to website: Image database                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| • to website: CAX-Download-Manager                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| • to website: Industry Online Support                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>last modified:</b>                                                    | 2/17/2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |