



SIMATIC RF600 antenna RF662A frequency range 865 to 928 MHz circular IP67 - 25 to +75 °C, without cable

|                                                                          |                                                                                                    |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| suitability for operation                                                | SIMATIC RF600                                                                                      |
| <b>radio frequencies</b>                                                 |                                                                                                    |
| transmission frequency                                                   | 865 ... 928 MHz                                                                                    |
| <b>electrical data</b>                                                   |                                                                                                    |
| antenna gain compared to spherical radiator                              |                                                                                                    |
| • with circular radiation                                                | 7 dB                                                                                               |
| impedance                                                                | 50 Ω                                                                                               |
| polarization                                                             | Circular                                                                                           |
| standing wave ratio (VSWR) / maximum                                     | 1.5                                                                                                |
| radiating angle of the antenna                                           |                                                                                                    |
| • horizontal                                                             | 56°                                                                                                |
| • vertical                                                               | 58°                                                                                                |
| type of electrical connection / of the antenna                           | RP-TNC                                                                                             |
| design of plug-in connection                                             | male                                                                                               |
| <b>mechanical data</b>                                                   |                                                                                                    |
| material                                                                 | Pocan                                                                                              |
| color                                                                    | Ti gray                                                                                            |
| mounting distance                                                        |                                                                                                    |
| • relating to metal surfaces / recommended / minimum                     | 0 m                                                                                                |
| <b>ambient conditions</b>                                                |                                                                                                    |
| ambient temperature                                                      |                                                                                                    |
| • during operation                                                       | -25 ... +75 °C                                                                                     |
| • during storage                                                         | -40 ... +85 °C                                                                                     |
| • during transport                                                       | -40 ... +85 °C                                                                                     |
| protection class IP                                                      | IP67                                                                                               |
| shock resistance                                                         | according to EN 60068-2-27                                                                         |
| shock acceleration                                                       | 300 m/s <sup>2</sup>                                                                               |
| vibrational acceleration                                                 | 40 m/s <sup>2</sup>                                                                                |
| <b>design, dimensions and weights</b>                                    |                                                                                                    |
| width                                                                    | 312 mm                                                                                             |
| height                                                                   | 312 mm                                                                                             |
| depth                                                                    | 68 mm                                                                                              |
| net weight                                                               | 1500 g                                                                                             |
| fastening method                                                         | 4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit |
| wire length / of antenna cable                                           | 0 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)                                                                                |

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| certificate of suitability                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| • IECEx                                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| reference code / according to IEC 81346-2:2019                                                                                                                                                                                                                                                                                                                                                                                                      | TFB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>accessories</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| accessories                                                                                                                                                                                                                                                                                                                                                                                                                                         | Antenna cables 1 to 40 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>further information / internet links</b>                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| internet link                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to web page: RFID country approval</li> <li>• to web page: identification and localization systems</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul> | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a><br><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a><br><a href="https://www.siemens.com/rfid-approvals">https://www.siemens.com/rfid-approvals</a><br><a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a><br><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a><br><a href="https://www.automation.siemens.com/bilddb">https://www.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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>security information</b>                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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