SIEMENS

## Data sheet 6GT2812-0GA08

**product type designation**




**Antenna RF640A**

- - spare part - - SIMATIC RF600 antenna RF640A; circular, broadband frequency range 865 to 928 MHz dimensions 185x 185x 45 mm (LxWxH); IP65, -25 to +75 °C.

| | |
|---|---|
| product brand name | SIMATIC RF |
| suitability for operation | SIMATIC RF600 |
| **radio frequencies** | |
| transmission frequency | 865 ... 928 MHz |
| **electrical data** | |
| antenna gain compared to spherical radiator | |
| ● with circular radiation | 4 dB |
| impedance | 50 Ω |
| polarization | Circular |
| standing wave ratio (VSWR) / maximum | 1.5 |
| radiating angle of the antenna | |
| ● horizontal | 80° |
| ● vertical | 75° |
| type of electrical connection / of the antenna | RP-TNC |
| design of plug-in connection | male |
| **mechanical data** | |
| material | PA 12 |
| color | Pastel turquoise |
| tightening torque / of the screw for securing the equipment / maximum | 2 N·m |
| mounting distance | |
| ● relating to metal surfaces / recommended / minimum | 0 m |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -25 ... +75 °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 | 300 m/s² |
| vibrational acceleration | 100 m/s² |
| **design, dimensions and weights** | |
| width | 185 mm |
| height | 185 mm |
| depth | 45 mm |
| net weight | 600 g |
| fastening method | 4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit |


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|---|---|
| wire length / of antenna cable | 0.3 m |
| **product features, product functions, product components / general** | |
| product feature / silicon-free | Yes |
| **standards, specifications, approvals** | |
| certificate of suitability | CE (according to R&TTE), FCC (Title 47, Part 15.247), cULus |
| certificate of suitability | |
| ● IECEx | No |
| **accessories** | |
| accessories | Antenna cables 1 to 40 m |
| **further information / internet links** | |
| internet link | |
| ● to web page: selection aid TIA Selection Tool | https://siemens.com/tst |
| ● to website: Industrial communication | https://www.siemens.com/simatic-net |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |

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