

Product type designation

Antenna RF650A

SIMATIC RF600 antenna RF650A; circular, frequency range 865 up to 928MHz broadband Dimensions 198x 198x 60 mm (LxWxH); IP65, -25 to +75 °C



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| Suitability for operation | SIMATIC RF600 |
| Wireless frequencies | |
| Transmission frequency | 865 ... 928 MHz |
| Electrical data | |
| Impedance | 50 Ω |
| Polarization | Circular |
| Antenna gain compared to spherical radiator | |
| • with circular radiation | 4 dB |
| Standing wave ratio (VSWR) / maximum | 1.45 |
| Radiating angle of the antenna | |
| • horizontal | 90° |
| • vertical | 76° |
| Type of electrical connection / of the antenna | RP-TNC |
| Design of plug-in connection | male |
| Mechanical data | |
| Material | Pocan |
| Color | Pastel turquoise |

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|--|-------|
| Tightening torque / of the screw for securing the equipment / maximum | 2 N·m |
| Mounting distance <ul style="list-style-type: none"> • relating to metal surfaces / recommended / minimum | 0 m |

Permitted ambient conditions

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| Ambient temperature <ul style="list-style-type: none"> • during operation • during storage • during transport | -25 ... +75 °C -40 ... +85 °C -40 ... +85 °C |
| Protection class IP | IP65 |
| Shock acceleration | 300 m/s ² |
| Vibrational acceleration | 100 m/s ² |

Design, dimensions and weight

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| Width | 198 mm |
| Height | 198 mm |
| Depth | 60 mm |
| Net weight | 680 g |
| Mounting type | 4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit |
| Wire length / of antenna cable | 0 m |

Product properties, functions, components / general

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| Product feature / silicon-free | Yes |
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Standards, specifications, approvals

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|----------------------------|---|
| Certificate of suitability | CE (according to R&TTE), FCC (Title 47, Part 15.247), cULus |
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Accessories

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| accessories | Antenna cables 1 to 40 m |
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Further Information / Internet Links

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| Internet-Link <ul style="list-style-type: none"> • to website: Selector SIMATIC NET 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 | https://support.industry.siemens.com/cs/ww/en/view/67384964 http://www.siemens.com/ident/rfid https://mall.industry.siemens.com 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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