

### 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



Suitability for operation	SIMATIC RF600
<b>Radio frequencies</b>	
Transmission frequency	865 ... 928 MHz
<b>Electrical data</b>	
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
<b>Mechanical data</b>	
Material	Pocan
Color	Pastel turquoise

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

### Ambient conditions

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

### Design, dimensions and weights

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 features, product functions, product components / general

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

Certificate of suitability	CE (according to R&TTE), FCC (Title 47, Part 15.247), cULus
Certificate of suitability <ul style="list-style-type: none"> <li>IECEX</li> </ul>	No

### accessories

accessories	Antenna cables 1 to 40 m
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### Further information / Internet-Links

Internet-Link <ul style="list-style-type: none"> <li>to website: Selector SIMATIC NET SELECTION TOOL</li> <li>to website: Industrial communication</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</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/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a> <a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
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