

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
Radio 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

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 - 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 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 IECEX	No

accessories

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

Internet-Link - 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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