

Product type designation

Antenna RF642A

SIMATIC RF600 antenna RF642A Linear (broadband) frequency range 865 to 928 MHz Dimensions 185x 185x 45 mm (LxWxH) IP65, -25 to +55 °C



Suitability for operation	SIMATIC RF600
Radio frequencies	
Transmission frequency	865 ... 928 MHz
Electrical data	
Impedance	50 Ω
Polarization	Linear
Antenna gain compared to spherical radiator	
• with linear radiation	6 dB
Standing wave ratio (VSWR) / maximum	1.5
Radiating angle of the antenna	
• horizontal	75°
• vertical	70°
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 <ul style="list-style-type: none"> relating to metal surfaces / recommended / minimum 	0 m

Ambient conditions

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 resistance	according to EN 60068-2-27
Shock acceleration	300 m/s ²
Vibrational acceleration	100 m/s ²

Design, dimensions and weights

Width	185 mm
Height	185 mm
Depth	45 mm
Net weight	600 g
Mounting type	4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit
Wire length / of antenna cable	0.3 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"> IECEX 	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"> 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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