SIEMENS

Product type designation

Antenna RF642A

SIMATIC RF600 ANTENNA RF642A LINEAR (BROAD BAND)
FREQUENCY RANGE 865 TO 928 MHZ DIMENSIONS
185X185X45 MM (LXWXH); IP 65, -25 TO +55 DEGREES/C;

Suitability for operation	SIMATIC RF600

Wireless 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	
• relating to metal surfaces / recommended / minimum	0 m

Permitted 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	500 m/s²
Resistance against vibration	100 m/s²

Design, dimensions and weight

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
Cable length / of antenna cable	0 m

Product properties, functions, components / general

Product property / silicon-free	Yes

Standards, specifications, approvals

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

Accessories

accessories	Antenna cables 1 to 40 m

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
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