SIEMENS

Data sheet 6GT2812-1GA08

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	300 m/s ²
Vibrational acceleration	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
Wire length / of antenna cable	0 m
Product properties, functions, components / genera	l
Product feature / 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 	https://support.industry.siemens.com/cs/ww/en/view/67384997
• to website: Industrial communication	http://www.siemens.com/ident/rfid
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• 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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