

product type designation



RF622A antenna, FCC

SIMATIC RF600 antenna RF622A; FCC frequency 915-928 US linear IP67, -20 to +70 °C, with 30 cm connection cable.

suitability for operation

SIMATIC RF600

radio frequencies

transmission frequency	902 ... 928 MHz
antenna gain compared to spherical radiator	
• with linear radiation	-5 dB

electrical data

impedance	50 Ω
polarization	Linear
antenna gain compared to spherical radiator	
• with linear radiation	-5 dB
standing wave ratio (VSWR) / maximum	2
radiating angle of the antenna	
• horizontal	130°
• vertical	105°
type of electrical connection / of the antenna	RP-TNC
design of plug-in connection	male

mechanical data

material	Pocan
color	Ti gray
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	-20 ... +70 °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
vibrational acceleration	200 m/s²

design, dimensions and weights

width	76 mm
height	76 mm
depth	20 mm
net weight	120 g
fastening method	2 screws M5
wire length / of antenna cable	0.3 m

product features, product functions, product components / general	
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	FCC (Title 47, Part 15.247), cULus
certificate of suitability	
• IECEx	No
reference code / according to IEC 81346-2:2019	TFB
accessories	
accessories	Antenna cables 1 to 40 m
further information / internet links	
internet link	
• to web page: selection aid TIA Selection Tool	https://support.industry.siemens.com/cs/ww/en/view/67384964
• 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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