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Data sheet 6GT2812-2EA01

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
electrical data	
antenna gain compared to spherical radiator	
● with linear radiation	-5 dB
impedance	50 Ω
polarization	Linear
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

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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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