SIEMENS

Data sheet 6GT2812-0EA00

product type designation



RF615A antenna, ETSI

SIMATIC RF600 antenna RF615A; ETSI frequency 865-868 EU linear IP67, -20 to +70 $^{\circ}$ C, with 30 cm connecting cable 52 x 52 x 16 mm (LxWxH);

transmission frequency antensa gain compared to spherical radiator • with linear radiation • with linear radiation polarization antenna gain compared to spherical radiator • with linear radiation standing wave ratio (VSWR) / maximum • with linear radiation standing wave ratio (VSWR) / maximum • horizontal • horizontal • vertical • vertical pype of electrical connection / of the antenna • horizontal • vertical • vertical pype of electrical connection / of the antenna • horizontal • vertical • vertical pype of electrical connection / of the antenna RP-TNC design of plug-in connection machanical data material color fightening torque / of the screw for securing the equipment / maximum maximum mounting distance • relating to metal surfaces / recommended / minimum ambient temperature • during operation • during storage • during transport aduring transport protection class IP shock resistance according to EN 60068-2-27 shock acceleration vibrational acceleration design, dimensions and weights width \$2 mm height \$6 mm height \$6 mm het weight 10 0 g fastering method 2 x M4 screws	quitability for appration	SIMATIC RF600
transmission frequency antenna gain compared to spherical radiator • with linear radiation • Joctrical data Impedance polarization antenna gain compared to spherical radiator • with linear radiation • horizontal • horizontal • horizontal • horizontal • vertical Type of electrical connection / of the antenna design of plug-in connection machanical data material PA 6 color black tightening torque / of the screw for securing the equipment / maximum mounting distance • relating to metal surfaces / recommended / minimum mibient conditions ambient temperature • during operation • during storage • during transport • during storage • during transport • during storage • during transport • during transport • during transport • during transport • during storage • during transport • during transpo	suitability for operation	SIIVIATIC RF000
antenna gain compared to spherical radiator • with linear radiation impedance polarization antenna gain compared to spherical radiator • with linear radiation antenna gain compared to spherical radiator • with linear radiation • horizontal • horizontal • vertical • vertical • vertical fype of electrical connection / of the antenna • RP-TNC design of plug-in connection machanical data material PA 6 color black ightening torque / of the screw for securing the equipment / maximum mounting distance • relating to metal surfaces / recommended / minimum mounting distance • relating to metal surfaces / recommended / minimum on mabient conditions ambient conditions ambient emperature • during operation • during operation • during tarsport • during storage • during tarsport • during tarsport • during storage • during torage, during tarsport • during storage • during torage and tarsport • during storage • during torage and tarsport • during storage • during storage • during storage •		005 000 MHz
● with linear radiation -5 dB electrical data	·	865 868 MHZ
So Ω		
impedance 50 Ω Canal Compared to spherical radiator with linear radiation -5 dB standing wave ratio (VSWR) / maximum 2 radiating angle of the antenna +0 norzotal 100° -75° 100° 1		-5 dB
Dolarization Linear		
antenna gain compared to spherical radiator • with linear radiation standing wave ratio (VSWR) / maximum radiating angle of the antenna • horizontal • vertical rose vertical rose vertical rose relating to plug-in connection material color black tightening torque / of the screw for securing the equipment / maximum mounting distance • relating to metal surfaces / recommended / minimum ambient conditions ambient temperature • during operation • during storage • during transport protection class IP shock resistance shock acceleration vibrational acceleration design, dimensions and weights width height fastening method	impedance	
with linear radiation standing wave ratio (VSWR) / maximum radiating angle of the antenna • horizontal • vertical • vertical • vertical • vertical • vertical • received of electrical connection / of the antenna design of plug-in connection male material material pa 6 color black tightening torque / of the screw for securing the equipment / maximum mounting distance • relating to metal surfaces / recommended / minimum mounting distance • during operation • during operation • during storage • during storage • during stransport protection class IP shock resistance shock acceleration shock resistance shock acceleration design, dimensions and weights width 52 mm height destin in met weight finest with shock recommended in the met weight feath on the metal surface in the metal surfa	polarization	Linear
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radiating angle of the antenna • horizontal • vertical • vertical type of electrical connection / of the antenna design of plug-in connection material color tightening torque / of the screw for securing the equipment / maximum mounting distance • relating to metal surfaces / recommended / minimum ambient conditions ambient temperature • during operation • during storage • during transport during transport -40 +85 °C protection class IP shock acceleration shock acceleration 200 m/s² design, dimensions and weights width 62 mm height fastening method 2 x M4 screws	with linear radiation	-5 dB
• horizontal • vertical 75° type of electrical connection / of the antenna RP-TNC design of plug-in connection male mechanical data material PA 6 color black tightening torque / of the screw for securing the equipment / maximum mounting distance • relating to metal surfaces / recommended / minimum ambient conditions ambient temperature • during operation • during storage • during transport • during transport -40 +85 °C protection class IP IP67 shock acceleration 200 m/s² design, dimensions and weights width height 62 x M4 screws	standing wave ratio (VSWR) / maximum	2
• vertical 75° type of electrical connection / of the antenna RP-TNC design of plug-in connection male mechanical data material PA 6 color black tightening torque / of the screw for securing the equipment / maximum mounting distance • relating to metal surfaces / recommended / minimum mounting distance • during operation • during storage • during storage • during storage • during strasport • during storage • during storage • during storage • during storage • during transport ### 1967 shock resistance shock acceleration ### 50 m/s² vibrational acceleration ### 200 m/s² design, dimensions and weights ### 100 g fastening method ### 2 x M4 screws	radiating angle of the antenna	
type of electrical connection / of the antenna RP-TNC design of plug-in connection male mechanical data material PA 6 color black tightening torque / of the screw for securing the equipment / maximum mounting distance • relating to metal surfaces / recommended / minimum ambient conditions ambient temperature • during operation -20 +70 °C • during storage -40 +85 °C • during transport -40 +85 °C shock resistance according to EN 60068-2-27 shock resistance shock acceleration 200 m/s² vibrational acceleration 200 m/s² design, dimensions and weights width 52 mm height 52 mm depth 16 mm net weight 100 g fastening method 2 x M4 screws	horizontal	100°
design of plug-in connection male mechanical data material PA 6 color black tightening torque / of the screw for securing the equipment / maximum mounting distance • relating to metal surfaces / recommended / minimum ambient conditions ambient temperature • during operation • during storage • during transport 40 +85 °C protection class IP shock resistance shock acceleration yibrational acceleration 200 m/s² width 52 mm depth height fem 100 g fastening method 2 x M4 screws	vertical	75°
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material PA 6 color black tightening torque / of the screw for securing the equipment / maximum mounting distance • relating to metal surfaces / recommended / minimum o m ambient conditions ambient temperature • during operation • during storage • during storage • during transport -40 +85 °C protection class IP IP67 shock resistance shock acceleration vibrational acceleration 200 m/s² design, dimensions and weights width 52 mm height depth 16 mm net weight fastening method 2 x M4 screws	design of plug-in connection	male
color tightening torque / of the screw for securing the equipment / maximum mounting distance • relating to metal surfaces / recommended / minimum ambient conditions ambient temperature • during operation • during storage • during transport protection class IP shock resistance shock acceleration vibrational acceleration design, dimensions and weights width 52 mm height depth net weight fastening method 1.5 N·m 1.5 N·m	mechanical data	
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maximum mounting distance	color	black
relating to metal surfaces / recommended / minimum ambient conditions ambient temperature • during operation • during storage • during transport protection class IP protection class IP protection class IP shock resistance according to EN 60068-2-27 shock acceleration shock acceleration wibrational acceleration 200 m/s² design, dimensions and weights width fight fi		1.5 N·m
ambient conditions ambient temperature • during operation • during storage • during transport protection class IP protection class IP protection class IP shock resistance socording to EN 60068-2-27 shock acceleration soo m/s² vibrational acceleration design, dimensions and weights width form height form form form form form form form form	mounting distance	
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 ● during storage ● during transport ←40 +85 °C protection class IP IP67 shock resistance shock acceleration 500 m/s² vibrational acceleration 200 m/s² design, dimensions and weights width 52 mm height depth 16 mm net weight fastening method 2 x M4 screws 	ambient temperature	
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protection class IP shock resistance according to EN 60068-2-27 shock acceleration 500 m/s² vibrational acceleration 200 m/s² design, dimensions and weights width 52 mm height 52 mm depth 16 mm net weight 100 g fastening method 2 x M4 screws	during storage	-40 +85 °C
shock resistance according to EN 60068-2-27 shock acceleration 500 m/s² vibrational acceleration 200 m/s² design, dimensions and weights width 52 mm height 52 mm depth 16 mm net weight 100 g fastening method 2 x M4 screws	during transport	-40 +85 °C
shock acceleration 500 m/s² vibrational acceleration 200 m/s² design, dimensions and weights width 52 mm height 52 mm depth 16 mm net weight 100 g fastening method 2 x M4 screws	protection class IP	IP67
vibrational acceleration design, dimensions and weights width 52 mm height 52 mm depth 16 mm net weight 100 g fastening method 200 m/s²	shock resistance	according to EN 60068-2-27
design, dimensions and weightswidth52 mmheight52 mmdepth16 mmnet weight100 gfastening method2 x M4 screws	shock acceleration	
width 52 mm height 52 mm depth 16 mm net weight 100 g fastening method 2 x M4 screws	vibrational acceleration	200 m/s²
height 52 mm depth 16 mm net weight 100 g fastening method 2 x M4 screws	design, dimensions and weights	
depth 16 mm net weight 100 g fastening method 2 x M4 screws	width	52 mm
depth 16 mm net weight 100 g fastening method 2 x M4 screws	height	52 mm
net weight 100 g fastening method 2 x M4 screws	•	16 mm
fastening method 2 x M4 screws	·	
·		
WITE TETIQUE / UT ATTICITINA CADIC U.S III	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	CE (ETSI EN 302208)
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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