

### product type designation

### RF615A antenna, FCC

SIMATIC RF600 antenna RF615A; FCC frequency 915-928 US linear IP67, -20 to +70 °C, with 30 cm connecting cable, 52 x 52 x 16 mm (LXWXH);



### 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	PA 6
color	black
tightening torque / of the screw for securing the equipment / maximum	1.5 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	IP67
shock resistance	according to EN 60068-2-27
shock acceleration	500 m/s <sup>2</sup>
vibrational acceleration	200 m/s <sup>2</sup>

### design, dimensions and weights

width	52 mm
height	52 mm
depth	16 mm
net weight	100 g
fastening method	2 x M4 screws
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 <ul style="list-style-type: none"> <li>• IECEx</li> </ul>	No
reference code / according to IEC 81346-2:2019	TFB
accessories	
accessories	Antenna cables 1 to 40 m
further information / internet links	
internet link <ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a> <a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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