

### 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 (L x W x H);



Suitability for operation	SIMATIC RF600
<b>Radio frequencies</b>	
Transmission frequency	902 ... 928 MHz
<b>Electrical data</b>	
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
<b>Mechanical data</b>	
Material	PA 6
Color	black

Tightening torque / of the screw for securing the equipment / maximum	1.5 N·m
Mounting distance <ul style="list-style-type: none"> <li>relating to metal surfaces / recommended / minimum</li> </ul>	0 m

### Ambient conditions

Ambient temperature <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-20 ... +70 °C -40 ... +85 °C -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
Mounting type	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

### accessories

accessories	Antenna cables 1 to 40 m
-------------	--------------------------

### Further information / Internet-Links

Internet-Link <ul style="list-style-type: none"> <li>to website: Selector SIMATIC NET 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>
--	---

**last modified:** 06/10/2020