

### 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

### radio frequencies

transmission frequency

902 ... 928 MHz

### 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
- vertical

130°

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
- during storage
- during transport

-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

fastening method

2 x M4 screws

wire length / of antenna wire	0.3 m
<b>product features, product functions, product components / general</b>	
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	FCC (Title 47, Part 15.247), cULus
certificate of suitability <ul style="list-style-type: none"> <li>• IECEX</li> </ul>	No
<b>accessories</b>	
accessories	Antenna cables 1 to 40 m
<b>further information / internet-Links</b>	
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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