

product type designation

Antenna RF650A

SIMATIC RF600 antenna RF650A; circular, frequency range 865 up to 928MHz broadband Dimensions 198x 198x 60 mm (LxWxH); IP65, -25 to +75 °C.



suitability for operation

SIMATIC RF600

radio frequencies

transmission frequency 865 ... 928 MHz

electrical data

antenna gain compared to spherical radiator

- with circular radiation 4 dB

impedance 50 Ω

polarization Circular

standing wave ratio (VSWR) / maximum 1.45

radiating angle of the antenna

- horizontal 90°
- vertical 76°

type of electrical connection / of the antenna RP-TNC

design of plug-in connection male

mechanical data

material Pocan

color Pastel turquoise

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 -25 ... +75 °C
- during storage -40 ... +85 °C
- during transport -40 ... +85 °C

protection class IP IP65

shock acceleration 300 m/s²

vibrational acceleration 100 m/s²

design, dimensions and weights

width 198 mm

height 198 mm

depth 60 mm

net weight 680 g

fastening method 4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit

wire length / of antenna cable 0 m

product features, product functions, product components / general

product feature / silicon-free Yes

standards, specifications, approvals	
certificate of suitability	CE (according to R&TTE), 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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