

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
antenna gain compared to spherical radiator	
• with circular radiation	4 dB

electrical data

impedance	50 Ω
polarization	Circular
antenna gain compared to spherical radiator	
• with circular radiation	4 dB
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/s ²
vibrational acceleration	100 m/s ²

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 <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/67384964 http://www.siemens.com/ident/rfid https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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