

product type designation



Antenna RF680A

SIMATIC RF600 antenna RF680A Linear or circular can be selected frequency range 865 to 928 MHz Broadband dimensions 198x 198x 60 mm (LxWxH) IP65, -25 to +75 °C.

product brand name	SIMATIC RF
Technical Product Detail Page	https://l.siemens.com/1P6GT2812-2GB08
suitability for operation	SIMATIC RF600
radio frequencies	
transmission frequency	865 ... 928 MHz
electrical data	
antenna gain compared to spherical radiator	
• with linear radiation	3.5 dB
• with circular radiation	3.5 dB
impedance	50 Ω
polarization	Linear (h/v), circular, combined
standing wave ratio (VSWR) / maximum	1.45
radiating angle of the antenna	
• horizontal	90°
• vertical	77°
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	690 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
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
accessories	
accessories	Antenna cables 1 to 40 m
further information / internet links	
internet link <ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to web page: RFID country approval • to web page: identification and localization systems • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/rfid-approvals https://www.siemens.com/ident https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
security information	
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