SIEMENS

Data sheet 6GT2812-0GA08

product type designation



Antenna RF640A

- - spare part - - SIMATIC RF600 antenna RF640A; circular, broadband frequency range 865 to 928 MHz dimensions 185x 185x 45 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	1.5
radiating angle of the antenna	
● horizontal	80°
● vertical	75°
type of electrical connection / of the antenna	RP-TNC
design of plug-in connection	male
mechanical data	
material	PA 12
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 resistance	according to EN 60068-2-27
shock acceleration	300 m/s²
vibrational acceleration	100 m/s²
design, dimensions and weights	
width	185 mm
height	185 mm
depth	45 mm
net weight	600 g
fastening method	4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit
wire length / of antenna cable	0.3 m
product features, product functions, product components / general	

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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://siemens.com/tst
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

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