## **SIEMENS**

Data sheet 6GT2812-0AA00

## product type designation



## Antenna RF660A 865-868 EU

SIMATIC RF600 antenna RF660A 865-868 EU for use in EUR IP67, -25 to +75  $^{\circ}\text{C},$  without cable .

transmission frequency  (ectrical data antenna gain compared to spherical radiator  (evith circular radiation (foreign and foreign and for	suitability for operation	SIMATIC RF600
electrical data  antenna gain compared to spherical radiator  • with circular radiation  impedance  polarization  tanding wave ratio (VSWR) / maximum  • horizontal  • vertical  • vertical  • vertical  • vertical  • vertical  • vertical  • color  material  pasted turquoise  mounting distance  • elating to metal surfaces / recommended / minimum  multing transport  • during storage  • during storage  • during storage  • during storage  • during intension and weights  shock resistance  shock acceleration  shock acceleration  shock mesistance  shock acceleration  on the	radio frequencies	
antenna gain compared to spherical radiator  • with circular radiation impedance  polarization  standing wave ratio (VSWR) / maximum  radiating angle of the antenna  • horizontal  • vertical  • vertical  foo°  vertical  • vertical  foor  residentical connection / of the antenna  residency of electrical connection / of the antenna  residency of plu-gin connection  mate  material  recolor  mounting distance  • relating to metal surfaces / recommended / minimum  ambient conditions  ambient memperature  • during operation  • during storage  • during storage  • during stransport  protection class IP  protection class IP  protection class IP  protection also IP  shock resistance  shock acceleration  vibrational acceleration  vibrational acceleration  vibrational acceleration  with  felpth  felpth  felpth  felpth  felpth  fastening method  wire length / of antenna cable  product feature / silicon-free  Yes	transmission frequency	865 868 MHz
• with circular radiation         7 dB           impedance         50 Ω           polarization         Circular           standing wave ratio (VSWR) / maximum         2           radiating angle of the antenna         60°           • horizontal         60°           • vertical         60°           type of electrical connection / of the antenna         RP-TNC           design of plug-in connection         male           machanical data         PA 12           color         Pastel turquoise           mounting distance         • relating to metal surfaces / recommended / minimum         0 m           ambient temperature         • during storage         40 · **e5 °C           • during storage         40 · · **e5 °C           • during transport         40 · · *e5 °C           protection class IP         IP67           shock resistance         according to EN 60068-2-27           shock acceleration         300 m/s²           vibrational acceleration         1 m/s²           design, dimensions and weights         40 m           width         313 mm           height         60 0 g           fastening method         4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit<	electrical data	
impedance 50 Ω polarization Circular standing wave ratio (VSWR) / maximum 2 radiating angle of the antenna • horizontal 60° • vertical 60° type of electrical connection / of the antenna RP-TNC design of plug-in connection male material PA 12 color Pastel turquoise mounting distance • relating to metal surfaces / recommended / minimum 0 m mobinant conditions ambient emperature • during operation 2-25 +75 °C • during transport 40 +85 °C protection class IP IP67 shock resistance according to EN 60068-2-27 shock acceleration 1 m/s² design, dimensions and weights width 313 mm height 313 mm height 313 mm height 6100 9 fastening method 4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit wire length / of antenna cable product feature / silicon-free Yes	antenna gain compared to spherical radiator	
polarization Circular  standing wave ratio (VSWR) / maximum 2  radiating angle of the antenna • horizontal 60° vertical • vertical 60°  type of electrical connection / of the antenna RP-TNC design of plug-in connection male mechanical data  material PA 12  color Pastel turquoise mounting distance • relating to metal surfaces / recommended / minimum 0 m  mbient conditions  ambient temperature • during operation -25 +75 °C • during storage -40 +85 °C • during transport -40 +85 °C  protection class IP IP67 shock resistance according to EN 60068-2-27 shock acceleration 300 m/s² vibrational acceleration 1 m/s²  design, dimonsions and weights width 313 mm height 313 mm height 680 mm net weight 1600 g fastening method 4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit wire length / of antenna cable product feature / silicon-free Yes	with circular radiation	7 dB
standing wave ratio (VSWR) / maximum 2  radiating angle of the antenna	impedance	50 Ω
radiating angle of the antenna  • horizontal  • vertical  • vertical  • vertical  • vertical  flow of electrical connection / of the antenna  RP-TNC  design of plug-in connection  male  mechanical data  material  recolor  mounting distance  • relating to metal surfaces / recommended / minimum  ambient conditions  ambient temperature  • during operation  • during storage  • during transport  • during transport  • during transport  • during storage  • during transport	polarization	Circular
• horizontal • vertical • vertical • professional design of plug-in connection / of the antenna design of plug-in connection material material  color mounting distance • relating to metal surfaces / recommended / minimum ambient conditions  ambient temperature • during operation • during storage • during transport protection class IP shock resistance shock acceleration subtraction acceleration  design, dimensions and weights width height depth net weight fastening method  wire length / of antenna cable product feature / silicon-free  • Ves	standing wave ratio (VSWR) / maximum	2
vertical     type of electrical connection / of the antenna     RP-TNC     design of plug-in connection     male     mechanical data     material	radiating angle of the antenna	
type of electrical connection / of the antenna RP-TNC design of plug-in connection male  mechanical data  material PA 12  color Pastel turquoise  mounting distance • relating to metal surfaces / recommended / minimum 0 m  ambient conditions  ambient temperature • during operation -25 +75 °C • during storage -40 +85 °C  protection class IP IP67  shock resistance according to EN 60068-2-27  shock acceleration 300 m/s²  vibrational acceleration 1 m/s²  design, dimensions and weights  width 313 mm height 313 mm height 1600 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 feature / silicon-free Yes	horizontal	60°
design of plug-in connection male  material PA 12  color Pastel turquoise  mounting distance  • relating to metal surfaces / recommended / minimum  ambient conditions  ambient temperature  • during operation -25 +75 °C  • during storage -40 +85 °C  • during transport -40 +85 °C  protection class IP  shock resistance according to EN 60068-2-27  shock acceleration 300 m/s²  vibrational acceleration 1 m/s²  design, dimensions and weights  width 313 mm  height 313 mm  depth 80 mm  net weight 1600 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 feature / silicon-free Yes	• vertical	60°
material PA 12  color Pastel turquoise  mounting distance  • relating to metal surfaces / recommended / minimum  ambient conditions  ambient temperature  • during operation -25 +75 °C  • during storage -40 +85 °C  • during transport -40 +85 °C  shock resistance according to EN 60068-2-27  shock acceleration 300 m/s²  vibrational acceleration 1 m/s²  design, dimensions and weights  width 313 mm  height 313 mm  depth 80 mm  net weight 1600 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 feature / silicon-free Yes	type of electrical connection / of the antenna	RP-TNC
material PA 12  color Pastel turquoise  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  shock resistance shock acceleration 300 m/s² vibrational acceleration 1 m/s²  design, dimensions and weights  width 313 mm height 313 mm depth 80 mm  net weight 1600 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  product feature / silicon-free Yes	design of plug-in connection	male
color mounting distance • relating to metal surfaces / recommended / minimum  ambient conditions  ambient temperature • during operation • during storage • during transport • during transport • during transport  protection class IP  shock resistance shock acceleration vibrational acceleration vibrational acceleration  design, dimensions and weights  width height height aste might fastening method  fastening method  wire length / of antenna cable product feature / silicon-free  Pastel turquoise  0 m  m  m  0 m  0 m  0 m  -25 +75 °C  -40 +85 °C  Por C  -40 +85 °C  PlP67  shock resistance according to EN 60068-2-27  shock acceleration 300 m/s²  vibrational acceleration 1 m/s²  design, dimensions and weights  width height 313 mm  depth a0 mm  net weight  fastening method 4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit  wire length / of antenna cable product feature / silicon-free  Yes	mechanical data	
mounting distance  • relating to metal surfaces / recommended / minimum  ambient conditions  ambient temperature  • during operation • during storage • during transport • during transp	material	PA 12
relating to metal surfaces / recommended / minimum     ambient conditions  ambient temperature     • during operation     • during storage     • during transport     • during tra	color	Pastel turquoise
ambient temperature  • during operation • during storage • during transport • during transport  protection class IP  shock resistance shock acceleration vibrational acceleration  width height height fastening method  fastening method  wire length / of antenna cable product feature / silicon-free  • during transport  -25 +75 °C  -40 +85 °C  -40 +85 °C  IP67  shock acceleration scording to EN 60068-2-27  shock acceleration 300 m/s²  vibrational acceleration 1 m/s²  design, dimensions and weights  width 313 mm height depth 1600 g  4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit  wire length / of antenna cable 0 m  product feature / silicon-free  Yes	mounting distance	
ambient temperature  • during operation • during storage • during storage • during transport • during transport  protection class IP shock resistance shock acceleration vibrational acceleration  to the storage according to EN 60068-2-27  shock acceleration  1 m/s²  design, dimensions and weights  width height also mm height depth net weight 1600 g  fastening method  4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit  wire length / of antenna cable  product feature / silicon-free  Yes	<ul> <li>relating to metal surfaces / recommended / minimum</li> </ul>	0 m
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>design, dimensions and weights</li> <li>width</li> <li>design, dimensions and weights</li> <li>width</li> <li>depth</li> <li>depth</li> <li>depth</li> <li>met weight</li> <li>fastening method</li> <li>descrews M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit</li> <li>wire length / of antenna cable</li> <li>product feature / silicon-free</li> <li>Yes</li> </ul>	ambient conditions	
<ul> <li>during storage</li> <li>during transport</li> <li>40 +85 °C</li> <li>protection class IP</li> <li>shock resistance</li> <li>according to EN 60068-2-27</li> <li>shock acceleration</li> <li>vibrational acceleration</li> <li>t m/s²</li> <li>design, dimensions and weights</li> <li>width</li> <li>height</li> <li>depth</li> <li>80 mm</li> <li>net weight</li> <li>fastening method</li> <li>4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit</li> <li>wire length / of antenna cable</li> <li>product features, product functions, product components / general</li> <li>product feature / silicon-free</li> <li>Yes</li> </ul>	ambient temperature	
during transport     protection class IP     IP67     shock resistance     according to EN 60068-2-27     shock acceleration     vibrational acceleration     vibrational acceleration     design, dimensions and weights  width     313 mm     height     depth     a80 mm     net weight     fastening method     4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit  wire length / of antenna cable     o m  product feature / silicon-free      Yes	during operation	-25 +75 °C
protection class IP shock resistance shock acceleration shock acceleration 300 m/s² vibrational acceleration 1 m/s²  design, dimensions and weights width 313 mm height 313 mm depth 80 mm net weight fastening method 4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit wire length / of antenna cable product features, product functions, product components / general product feature / silicon-free Yes	during storage	-40 +85 °C
shock resistance shock acceleration 300 m/s² vibrational acceleration 1 m/s²  design, dimensions and weights  width 313 mm height 313 mm depth 80 mm net weight fastening method 4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit  wire length / of antenna cable product features, product functions, product components / general  product feature / silicon-free  Ascording to EN 60068-2-27  300 m/s²  313 mm 4 4 square s	during transport	-40 +85 °C
shock acceleration  vibrational acceleration  1 m/s²  design, dimensions and weights  width  313 mm  height  313 mm  depth  80 mm  net weight  fastening method  4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit  wire length / of antenna cable  product features, product functions, product components / general  product feature / silicon-free  Yes	protection class IP	IP67
vibrational acceleration  design, dimensions and weights  width  313 mm  height  313 mm  depth  80 mm  net weight  1600 g  fastening method  4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit  wire length / of antenna cable  product features, product functions, product components / general  product feature / silicon-free  Yes	shock resistance	according to EN 60068-2-27
width 313 mm height 313 mm depth 80 mm net weight 1600 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	shock acceleration	300 m/s²
width     313 mm       height     313 mm       depth     80 mm       net weight     1600 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	vibrational acceleration	1 m/s²
height 313 mm  depth 80 mm  net weight 1600 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	design, dimensions and weights	
depth 80 mm  net weight 1600 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	width	313 mm
net weight 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	height	313 mm
fastening method  4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit  wire length / of antenna cable  product features, product functions, product components / general  product feature / silicon-free  Yes	depth	80 mm
antenna mounting kit  wire length / of antenna cable  0 m  product features, product functions, product components / general  product feature / silicon-free  Yes	net weight	1600 g
product features, product functions, product components / general product feature / silicon-free Yes	fastening method	
product feature / silicon-free Yes	wire length / of antenna cable	0 m
•	product features, product functions, product components / general	
standards, specifications, approvals	product feature / silicon-free	Yes

certificate of suitability	CE (ETSI EN 302208)
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	
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	https://support.industry.siemens.com/cs/ww/en/view/67384964
<ul> <li>to website: Industrial communication</li> </ul>	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
<ul> <li>to website: Image database</li> </ul>	http://automation.siemens.com/bilddb
<ul><li>to website: CAx-Download-Manager</li></ul>	http://www.siemens.com/cax
to website: Industry Online Support	https://support.industry.siemens.com

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