SIEMENS

Data sheet 6GK5895-6ML00-0AA0

Product type designation

Antenna ANT895-6ML

ANT895-6ML GPS antenna Antenna with integrated signal amplifier incl. 0.3 m connection cable and N-female connector; 3 dBi IP67 (-40...+85 °C) Mounting with magnet or Screw mounting Observe national approvals; compact instructions as hard copy English/German; scope of delivery: 1x ANT 895-6ML



Suitability for operation	GPS

Radio frequencies	
Operating frequency	1575.42 MHz
type of satellite navigation system / is supported / GPS, GLONASS and Galileo	Yes

Electrical data	
Design of the signal amplifier / Integrated	two-stage, low noise
Supply voltage / from antenna cable	2.7 ... 5 V
Type of voltage / of the supply voltage	DC
Consumed current / maximum	2 mA; at 5 V
Amplification	20 dB
Design of the intermediate frequency filter	dual high rejection SAW filter
Polarization	Right hand circular
Radiation characteristic	GPS
Antenna gain compared to spherical radiator	
• with circular radiation	3 dB; at 90°
Number of electrical connections / of the antenna	1
Type of electrical connection / of the antenna	N-Connector

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Design of plug-in connection	female

Ambient conditions	
Ambient temperature	
• during operation	-40 ... +85 °C
Protection class IP	IP67
Design of the overvoltage protection	Integrated protection up to 15 KV

Design, dimensions and weights	
Width	45 mm
Height	51 mm
Depth	12 mm
Net weight	130 g
Mounting type	Magnet or screw mounting
Mounting type	
• directly on the device	No
Wire length / of antenna cable	0.3 m

Product features, product functions, product components / general	
Product feature / silicon-free	Yes

Standards, specifications, approvals	
Certificate of suitability	
• RoHS conformity	Yes
Wireless approval	Current national approvals can be found on the Internet under www.siemens.com/mobilfunkzulassungen

Further information / Internet-Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• 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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