

### product type designation



### Antenna ANT895-6ML

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

suitability for operation	GPS
<b>radio frequencies</b>	
type of satellite navigation system / is supported / GPS, GLONASS and Galileo	Yes
operating frequency	1575.42 MHz
antenna gain compared to spherical radiator	
• with circular radiation	3 dB; at 90°
<b>electrical data</b>	
design of the signal amplifier / integrated	two-stage, low noise
supply voltage / from antenna wire	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
design of plug-in connection	female
<b>ambient conditions</b>	
ambient temperature	
• during operation	-40 ... +85 °C
protection class IP	IP67
design of the overvoltage protection	Integrated protection up to 15 KV
<b>design, dimensions and weights</b>	
width	45 mm
height	51 mm
depth	12 mm
net weight	130 g
fastening method	Magnet or screw mounting
fastening method	
• directly on the device	No
wire length / of antenna wire	0.3 m
<b>product features, product functions, product components / general</b>	
product feature / silicon-free	Yes
<b>standards, specifications, approvals</b>	

certificate of suitability	
<ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>	Yes
wireless approval	Current national approvals can be found on the Internet under <a href="http://www.siemens.com/mobilfunkzulassungen">www.siemens.com/mobilfunkzulassungen</a>
reference code	
<ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>	TF TFB

#### further information / internet-Links

##### Internet-Link

- 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

<http://www.siemens.com/snst>  
<http://www.siemens.com/simatic-net>  
<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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