

SIMATIC RF621T PA12 anthracite, 120 x 30 x 6.5 ISO 18000-63, EPC Class 1 Gen 2 frequency 865 to 928 MHz NXP UCODE 8 128 bits (16 bytes) EPC ID 0 bits (0 bytes) user memory fixing by mounting on metal with spacers printable thermotransfer temperature -40 °C to +85 °C IP67 range 10 m 10 units/pack 10 units MOQ.



suitability for operation	RF600
Technical Product Detail Page	<a href="https://l.siemens.com/1P6GT2810-1HC80">https://l.siemens.com/1P6GT2810-1HC80</a>
<b>radio frequencies</b>	
operating frequency	860 ... 960 MHz
range / maximum	10 m; observe system manual RF600: overrange is possible, range is reader dependent: observe <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a>
protocol / with radio transmission	EPCglobal Class 1 Gen 2 / ISO 18000-63
transfer rate / with radio transmission / maximum	320 kbit/s
product feature / multitag-capable	Yes
polarization	Linear
<b>electrical data</b>	
product component / backup battery	No
<b>memory</b>	
type of memory	EEPROM
storage capacity / of the user memory	16 byte
type of memory organization	EPC memory 128 bits (16 bytes) assigned with sequential identifier. No user memory.
number of read cycles / at ambient temperature < 40 °C / maximum	1E+14
number of write cycles / at ambient temperature < 40 °C / maximum	100000
data retention time / at ambient temperature < 40 °C / not less than	10 a
property of memory	lock, unlock, write protection, password protection
type of transponder chip used	NXP Ucode 8
<b>mechanical data</b>	
material	PA12
color	anthracite
tightening torque / of the screw for securing the equipment / maximum	1 N·m
mounting distance / relating to metal surfaces / recommended / minimum	5 mm
<b>ambient conditions</b>	
ambient temperature	<ul style="list-style-type: none"> <li>during read/write access -20 ... +85 °C</li> <li>outside the read/write area -40 ... +125 °C</li> <li>during storage -20 ... +85 °C</li> </ul>
protection class IP	IP67
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	1000 m/s <sup>2</sup>

vibrational acceleration	500 m/s <sup>2</sup>
resistance to mechanical stress	Torsion and bending stress not permissible
<b>design, dimensions and weights</b>	
width	120 mm
height	6.5 mm
depth	30 mm
net weight	4 g
fastening method	2 screws M4, spacer (see accessories)
<b>product features, product functions, product components / general</b>	
product feature	
• silicon-free	Yes
• tamper-proof	No
• printable	Yes
printing process	laser, label
<b>standards, specifications, approvals</b>	
certificate of suitability	
• IECEx	No
<b>accessories</b>	
accessories	Spacers
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: identification and localization systems	<a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAX-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7)

#### Approvals / Certificates

##### General Product Approval



[Manufacturer Declaration](#)

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