



SIMATIC RF670T (ETSI) PPS, 43 x 33 x 5.5 mm ISO 18000-63, EPC Class 1 Gen 2 frequency 865 to 868 MHz NXP UCODE 9XM 496 bits (62 bytes) EPC ID 752 bits (94 bytes) user memory fixing by mounting on metal printing not possible temperature from -40 °C to +140 °C IP68/IPx9K 10 units/carton 1 carton 10 units MOQ

suitability for operation	RF600
Technical Product Detail Page	<a href="https://l.siemens.com/1P6GT2810-2MG00">https://l.siemens.com/1P6GT2810-2MG00</a>
<b>radio frequencies</b>	
operating frequency	865 ... 868 MHz
range / maximum	5 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	94 byte
type of memory organization	EPC ID variable 128, 256 or 496 bits (16, 32 or 62 bytes), user memory variable 752, 624 or 384 bits (94, 78 or 48 bytes), TID memory 96 bits (12 bytes)
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 9xm
<b>mechanical data</b>	
material	PPS
color	black
tightening torque / of the screw for securing the equipment / maximum	0.8 N·m
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
<b>ambient conditions</b>	
ambient temperature	<ul style="list-style-type: none"> <li>during read/write access: -25 ... +85 °C</li> <li>outside the read/write area: -40 ... +140 °C</li> <li>during storage: -20 ... +85 °C</li> </ul>
protection class IP	IP68/IPx9K
shock resistance	According to DIN EN 60721-3-7 Class 7 M3

shock acceleration	1000 m/s <sup>2</sup>
vibrational acceleration	200 m/s <sup>2</sup>
resistance to mechanical stress	Torsion and bending stress not permissible
<b>design, dimensions and weights</b>	
width	43 mm
height	7.5 mm
depth	33 mm
net weight	20 g
fastening method	2 x M3 screws
<b>product features, product functions, product components / general</b>	
product feature	
• silicon-free	Yes
• printable	No
<b>standards, specifications, approvals</b>	
certificate of suitability	
• IECEx	No
<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 security 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 security 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 the 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 security measures that may be implemented, please visit: <a href="https://www.siemens.com/industrialsecurity">https://www.siemens.com/industrialsecurity</a> . Siemens' products and solutions undergo continuous development to make them more secure. Siemens expressly recommends that product updates be applied as soon as they become available and that only the latest product versions be used. Using versions that are obsolete or no longer supported may increase the risk of cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under: <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.6)

**Approvals / Certificates**

**General Product Approval**

[Manufacturer Declaration](#)

last modified: 1/7/2026 