SIEMENS

Data sheet 6GT2810-3MG00



SIMATIC RF670T (ETSI) FR4, 40 x 30 x 4.1 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 glueing on metal, heat-resistant printing not possible temperature from -40 °C to +185 °C IP67 50 units/carton 1 carton 50 units minimum order quantity

suitability for operation	RF600
product brand name	SIMATIC RF
Technical Product Detail Page	https://i.siemens.com/1P6GT2810-3MG00
radio frequencies	
operating frequency	865 ... 868 MHz
range / maximum	4.5 m; observe system manual RF600: overrange is possible, range is reader dependent: observe http://support.automation.siemens.com/WW/view/en/67384964
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
electrical data	
product component / backup battery	No
memory	
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
mechanical data	
material	PCB
color	black
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
ambient conditions	
ambient temperature	
• during read/write access	-25 ... +85 °C
• outside the read/write area	-40 ... +230 °C
• during storage	-20 ... +85 °C
protection class IP	IP67
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	1000 m/s²

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vibrational acceleration	200 m/s²
resistance to mechanical stress	Torsion and bending stress not permissible
design, dimensions and weights	
width	40 mm
height	3.6 mm
depth	30 mm
net weight	8 g
fastening method	gluing
product features, product functions, product components / general	
product feature	
● silicon-free	Yes
● printable	No
standards, specifications, approvals	
certificate of suitability	
● IECEx	No
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: identification and localization systems	https://www.siemens.com/ident
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
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: https://www.siemens.com/industrialsecurity. 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: https://www.siemens.com/cert. (V4.6)
Approvals / Certificates	
General Product Approval	

Manufacturer Declaration

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