

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
product brand name	SIMATIC RF
Technical Product Detail Page	https://l.siemens.com/1P6GT2810-1HC80
radio frequencies	
operating frequency	860 ... 960 MHz
range / maximum	10 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	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
mechanical data	
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
ambient conditions	
ambient temperature	
• during read/write access	-20 ... +85 °C
• outside the read/write area	-40 ... +125 °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/s ²
vibrational acceleration	500 m/s ²
resistance to mechanical stress	Torsion and bending stress not permissible
design, dimensions and weights	
width	120 mm
height	6.5 mm
depth	30 mm
net weight	4 g
fastening method	2 screws M4, spacer (see accessories)
product features, product functions, product components / general	
product feature	
• silicon-free	Yes
• tamper-proof	No
• printable	Yes
printing process	laser, label
standards, specifications, approvals	
certificate of suitability	
• IECEx	No
accessories	
accessories	Spacers
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	
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Approvals / Certificates

General Product Approval



[Manufacturer Declaration](#)

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