

Product type designation

RF620T transponder

SIMATIC RF620T Container Tag; 127x 38x 6 mm; ISO 18000-6C, EPC Class 1 GEN 2, frequency 860 to 928 MHz, Chip type IMPINJIMONZA 4QT, EPC 128 bit, 64 bytes add-on memory, Minimum ordering quantity 20 units



Suitability for operation

RF600

Radio frequencies

Operating frequency	860 ... 960 MHz
Range / maximum	8 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 18000-6C
Transfer rate / with radio transmission / maximum	320 kbit/s
Product feature / multitag-capable	Yes
Polarization	Linear

Electrical data

Product component / Backup battery	No
Type of memory	EEPROM
Storage capacity / of the user memory	64 byte
Type of memory organization	EPC memory 96/128 bits, user memory 64 bytes (512 bits), TID memory 4 bytes
Number of read cycles / at ambient temperature < 40 °C / maximum	100000000000000

Number of write cycles / at ambient temperature < 40 °C / maximum	100000
Data retention time / at ambient temperature < 40 °C / not less than	10 y
Property of memory	lock, unlock, write protection, password protection
Type of transponder chip used	IMPINJ MONZA 4QT

Mechanical data

Material	PP (polypropylene)
Color	anthracite
Tightening torque / of the screw for securing the equipment / maximum	1.2 N·m
Mounting distance / relating to metal surfaces / recommended / minimum	0 mm

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during read/write access 	-25 ... +85 °C
<ul style="list-style-type: none"> outside the read/write area 	-40 ... +85 °C
<ul style="list-style-type: none"> during storage 	-40 ... +80 °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
Width	38 mm
Height	6 mm
Depth	127 mm
Net weight	18 g
Mounting type	gluing, 2 x M5 screws, spacer (see accessories)

Product features, product functions, product components / general

Product feature	
<ul style="list-style-type: none"> printable 	Yes
Printing process	Laser inscription

Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> IECEX 	No

accessories

accessories	Spacers
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Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> to website: Selector SIMATIC NET SELECTION TOOL 	https://support.industry.siemens.com/cs/ww/en/view/67384964

- 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/ident/rfid>

<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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