

Product type designation

RF630T transponder

SIMATIC RF630T Screw-Tag; 21 mm (DxH); On-Metal Transponder
 ISO 18000-6C, EPC Class 1 GEN 2, Frequency 902 to 928 MHz
 (FCC), Chip type NXP G2XM, EPC 240 bit 64-byte add-on memory,
 Minimum order quantity 10 units



Suitability for operation

RF600

Wireless frequencies

Operating frequency	902 ... 928 MHz
Range / maximum	2 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
------------------------------------	----

Memory

Type of memory	EEPROM
Storage capacity / of the user memory	64 byte
Type of memory organization	EPC memory 96/240 bits, user memory 64 bytes (512 bits), TID memory 8 bytes

Number of read cycles / at ambient temperature < 40 °C / maximum	1000000000000000
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	NXP G2XM

Mechanical data

Material	PA6.6 GF / stainless steel
Color	black silver
Tightening torque / of the screw for securing the equipment / maximum	6 N·m
Mounting distance / relating to metal surfaces / recommended / minimum	0 mm

Permitted 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 ... +125 °C
<ul style="list-style-type: none"> during storage 	-40 ... +125 °C
Protection class IP	IP68 / IPx9K
Shock resistance	According to DIN EN 60721-3-7 Class 7 M3
Shock acceleration	1000 m/s ²
Vibrational acceleration	200 m/s ²

Design, dimensions and weight

Height	20 mm
Diameter	21 mm
Net weight	22 g
Mounting type	screwing (M6)

Product properties, functions, components / general

Product feature	
<ul style="list-style-type: none"> printable 	No

Standards, specifications, approvals

MTBF	1712 y
------	--------

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
<ul style="list-style-type: none"> to website: Industrial communication 	http://www.siemens.com/ident/rfid
<ul style="list-style-type: none"> to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> to website: Information and Download Center 	http://www.siemens.com/industry/infocenter

- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

last modified:

08/27/2019