SIEMENS

Data sheet	6GT2810-2EC10

Product type designation	

RF630T transponder
SIMATIC RF630T SCREW-TAG; 21X21 MM (DXH); ON METAL TRANSPONDER ISO 18000-6C, EPC CLASS 1 GEN 2 FREQUENCY 902 UP TO 928 MHZ (FCC) CHIP TYPE, NXP G2XM EPC 240 BIT 64 BYTE ADD-ON MEMORY -25 UP TO +85 DGR/C; MINIMAL ORDER QUANTITY 10 PCS

Wireless frequencies

Operating frequency	902 ... 928 MHz

Electrical data

Range / maximum	1.5 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 18000-6C
Transfer rate / with radio transmission / maximum	320 kbit/s
Product property / multitag-capable	Yes
Polarization	Linear
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	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	NXP G2XM

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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	
• during read/write access	-25 ... +85 °C
• outside the read/write area	-40 ... +125 °C
• 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/s²
Resistance against vibration	200 m/s²

Design, dimensions and weight	
Height	20 mm
Diameter	21 mm
Net weight	22 g
Mounting type	screwing (M6)

Product properties, functions, components / general	
Product property	
• printable	No

Standards, specifications, approvals	
MTBF	1712 y

Further Information / Internet Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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