SIEMENS

Data sheet | **6GT2810-2DC10**

product type designation	**RF640T transponder**

SIMATIC RF640T Tool Tag; 50x 8 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
radio frequencies	
operating frequency	902 ... 928 MHz
range / maximum	4 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	64 byte
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
mechanical data	
material	PA12
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	
● 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

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vibrational acceleration	200 m/s²
design, dimensions and weights	
height	8 mm
diameter	50 mm
net weight	13 g
fastening method	2 x M4 screws
product features, product functions, product components / general	
product feature	
● silicon-free	Yes
● printable	No
standards, specifications, approvals	
certificate of suitability	
● IECEx	No
MTBF	1757 y
further information / internet-Links	
Internet-Link	
● to web page: selection aid TIA Selection Tool	https://support.industry.siemens.com/cs/ww/en/view/67384964
● to website: Industrial communication	http://www.siemens.com/ident/rfid
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● 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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