

SIMATIC RF650T (ETSI) ASA, TPS-SEBS, 54 x 24 x 8.8 mm ISO 18000-63, EPC Class 1 Gen 2 frequency 865 to 868 MHz NXP UCODE 8 128 bits (16 bytes) EPC ID 0 bits (0 bytes) user memory self-adhesive on metal printing not possible temperature from -15 °C to +55 °C IP68 20 units/carton 1 carton 20 units MOQ



suitability for operation	RF600
Technical Product Detail Page	https://i.siemens.com/1P6GT2810-2HC00
radio frequencies	
operating frequency	865 ... 868 MHz
range / maximum	3 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	ASA and TPS-SEBS
color	black
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
ambient conditions	
ambient temperature	
• during read/write access	-20 ... +55 °C
• outside the read/write area	-25 ... +55 °C
• during storage	-20 ... +55 °C
protection class IP	IP68
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	500 m/s ²
vibrational acceleration	200 m/s ²
resistance to mechanical stress	Torsion and bending stress not permissible

design, dimensions and weights	
width	54 mm
height	8.8 mm
depth	24 mm
net weight	7 g
fastening method	gluing
product features, product functions, product components / general	
product feature	
• silicon-free	Yes
• tamper-proof	Yes
• printable	No
standards, specifications, approvals	
certificate of suitability	
• IECEx	No
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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