

product type designation

Transponder RF630L

SIMATIC RF630L SmartLabel PET white, 45 x 20 mm ISO 18000-63, EPC Class 1 Gen 2 frequency 860 to 960 MHz NXP UCODE 8 128 bits (16 bytes) EPC ID 0 bits (0 bytes) user memory self-adhesive strongly adhesive on plastic printable thermotransfer temperature from -25 °C to +85 °C IP67 5,000 units/roll 2 rolls/carton 10,000 units MOQ. roll 152.4 mm (6") core diameter



suitability for operation

RF600

Technical Product Detail Page

<https://l.siemens.com/1P6GT2810-2AE82-2AX1>

radio frequencies

operating frequency	860 ... 930 MHz
range / maximum	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 18000-63
transfer rate / with radio transmission / maximum	320 kbit/s
product feature / multitag-capable	Yes
polarization	Linear

electrical data

product component / backup battery	No
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memory

type of memory	EEPROM
storage capacity / of the user memory	16 byte
type of memory organization	EPC 128 bit (16 byte), 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, kill, write protection, password protection
type of transponder chip used	NXP Ucode 8

mechanical data

material	PET
color	white
mounting distance / relating to metal surfaces / recommended / minimum	3 mm

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> during read/write access outside the read/write area during storage 	<p>-25 ... +85 °C</p> <p>-25 ... +160 °C</p> <p>5 ... 25 °C</p>
ambient condition / for operation	Maximum storage life 2 years
protection class IP	IP67, when adhered
resistance to mechanical stress	Torsion and bending stress conditionally permissible

design, dimensions and weights

width	45 mm
height	0.2 mm
depth	20 mm
net weight	3 g
fastening method	one-side adhesible
pack type	Rolls with 5000 labels for applicator with 3" core

product features, product functions, product components / general

product feature	
<ul style="list-style-type: none"> • tamper-proof • printable 	No Yes
printing process	Thermal transfer process

standards, specifications, approvals

certificate of suitability	
<ul style="list-style-type: none"> • IECEx 	No

further information / internet links

internet link	
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool • to web page: identification and localization systems • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	https://www.siemens.com/tstcloud https://www.siemens.com/ident https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com

security information

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Approvals / Certificates

General Product Approval	EMV
  	Manufacturer Declaration KC

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