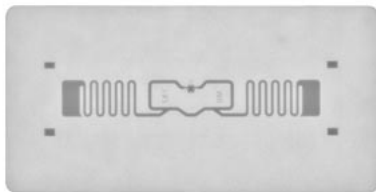


### product type designation

### Transponder RF630L

SIMATIC RF630L SmartLabel PET white, 4"x2" ISO 18000-6C, EPC Class 1 Gen 2 frequency 860 to 960 MHz chip type NXP Ucode 7-xm 448-bit (56 bytes) EPC ID 2048-bit (256 bytes) user memory highly adhesive on foamed materials printable thermotransfer temperature from -25 C to +80°C roll 76.2 mm (3) core diameter 1,000 units/roll 4 rolls/carton 4.000 units MOQ.



### suitability for operation

RF600

### radio frequencies

operating frequency	860 ... 930 MHz
range / maximum	5 m; observe system manual RF600: overrange is possible, range is reader dependent: observe <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a>
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	256 byte
type of memory organization	EPC 96 bit (12 byte) expandable up to 448 bit (56 byte), user memory 2048 bit (256 byte), TID 96 bit (12 byte)
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 7-xm 2k

### mechanical data

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

### ambient conditions

ambient temperature	
• during read/write access	-25 ... +80 °C
• outside the read/write area	-25 ... +130 °C
• during storage	5 ... 25 °C
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	101.6 mm
height	0.2 mm

depth	50.8 mm
net weight	3 g
fastening method	one-side adhesive
pack type	Rolls with 1000 labels for applicator with 3" core
<b>product features, product functions, product components / general</b>	
product feature	
• tamper-proof	No
• printable	Yes
printing process	Thermal transfer process
<b>standards, specifications, approvals</b>	
certificate of suitability	
• IECEx	No
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>
• to website: Industrial communication	<a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

**last modified:** 5/28/2023 