

product type designation

**Transponder RF630L**

SIMATIC RF630L SmartLabel Inlay PET; 97x 27 mm; ISO 18000-6C, EPC Class 1 GEN 2 frequency 860 to 960 MHz, Chip Type IMPINJI MONZA 4QT, 128 bit EPC memory, 64 bytes add-on memory, 5000 units on one roll Minimum order quantity 5000 units .



suitability for operation

RF600

**radio frequencies**

operating frequency	860 ... 960 MHz
range / maximum	6 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
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**memory**

type of memory	EEPROM
storage capacity / of the user memory	64 byte
type of memory organization	EPC memory 96 bit (12 byte) expandable up to 128 bit (16 byte), user memory 512 bit (64 byte), TID memory 32 bit (4 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	IMPINJ MONZA 4QT

**mechanical data**

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

**ambient conditions**

ambient temperature	
<ul style="list-style-type: none"> <li>during read/write access</li> <li>outside the read/write area</li> <li>during storage</li> </ul>	<p>-40 ... +65 °C</p> <p>-40 ... +80 °C</p> <p>15 ... 25 °C</p>
ambient condition / for operation	Maximum storage life 2 years at 40 to 60 % humidity, operating temperature permanent up to 65 °C, up to 80 °C for 200 cycles
protection class IP	IP65
resistance to mechanical stress	Torsion and bending stress conditionally permissible

**design, dimensions and weights**

width	27 mm
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height	0.3 mm
depth	97 mm
net weight	1 g
fastening method	one-side adhesible onto plastic / foil

**product features, product functions, product components / general**

product feature	
• printable	Yes
printing process	Thermal transfer process (currently only using Toshiba B-SX4T)

**standards, specifications, approvals**

certificate of suitability	
• IECEx	No




**further information / internet links**

internet link	
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

**security information**

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**Approvals / Certificates**

General Product Approval	EMV	Environment
 EG-Konf.	 CCC	 UL
	<a href="#">KC</a>	<a href="#">Confirmation</a>

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