

Product type designation

RF630L transponder

SIMATIC RF630L (SPECIAL VERS.) SMARTLABEL PET; 105X25 MM; HIGHLY ADHESIVE TO PLASTIC ISO 18000-6C, EPC CLASS 1 GEN 2 FREQUENCY 860 UP TO 960 MHZ CHIP TYPE, ALIEN HIGGS 3 EPC 96 BIT EXPANDABLE UP TO 480 BIT 64/8 BYTE ADD-ON MEMORY -25 BIS +125 DGR/C; 1000 PCS PER ONE ROLL 5 PER EACH CARTON) MIN. ORDER QUANTITY 5000 LABELS



Figure similar

Wireless frequencies	
Operating frequency	860 ... 960 MHz
Electrical data	
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 18000-6C
Transfer rate / with radio transmission / maximum	320 kbit/s
Product feature / multitag-capable	Yes
Polarization	Linear
Product component / Backup battery	No
Memory	
Type of memory	EEPROM
Storage capacity / of the user memory	64 byte
Type of memory organization	EPC memory 96/480 bits, user memory 64/16 bytes (512/128 bits), TID memory 12 bytes

Number of read cycles / at ambient temperature < 40 °C / maximum	1000000000000000
Number of write cycles / at ambient temperature < 40 °C / maximum	500
Data retention time / at ambient temperature < 40 °C / not less than	50 y
Property of memory	lock, unlock, kill, write protection, password protection
Type of transponder chip used	Alien Higgs 3

Mechanical data

Material	PET
Color	white
Mounting distance / relating to metal surfaces / recommended / minimum	3 mm

Permitted ambient conditions

Ambient temperature	
• during read/write access	-25 ... +85 °C
• outside the read/write area	-25 ... +85 °C
• during storage	5 ... 20 °C
Protection class IP	IP67, when adhered
Resistance to mechanical stress	Torsion and bending stress conditionally permissible

Design, dimensions and weight

Width	25 mm
Height	0.3 mm
Depth	105 mm
Mounting type	one-side adhesible onto plastic / foil

Product properties, functions, components / general

Product feature	
• printable	Yes
Printing process	Thermal transfer process

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET 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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