

Product type designation

RF625T transponder

SIMATIC RF625T DISK-TAG; 30X8 MM (DXH); ON METAL
TRANSPONDER ISO 18000-6C, EPC CLASS 1 GEN 2
FREQUENCY 865 UP TO 868 MHZ (ETSI) CHIP TYPE, IMPINJI
MONZA 4QT EPC 128 BIT 64 BYTE ADD-ON MEMORY -25 UP TO
+85 DGR/C; MINIMAL ORDER QUANTITY 10 PCS



Wireless frequencies

Operating frequency	865 ... 868 MHz
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Electrical data

Range / maximum	1.5 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 18000-6C
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 96/128 bits, user memory 64 bytes (512 bits), TID memory 4 bytes
Number of read cycles / at ambient temperature < 40 °C / maximum	100000000000000

Number of write cycles / at ambient temperature < 40 °C / maximum	100000
Data retention time / at ambient temperature < 40 °C / not less than	10 y
Property of memory	lock, unlock, write protection, password protection
Type of transponder chip used	IMPINJ MONZA 4QT

Mechanical data	
Material	PA6.6
Color	black
Tightening torque / of the screw for securing the equipment / maximum	1 N·m
Mounting distance / relating to metal surfaces / recommended / minimum	0 mm

Permitted ambient conditions	
Ambient temperature	
• during read/write access	-25 ... +85 °C
• outside the read/write area	-40 ... +125 °C
• during storage	-40 ... +125 °C
Protection class IP	IP68 / IPx9K
Shock resistance	According to DIN EN 60721-3-7 Class 7 M3
Shock acceleration	1000 m/s ²
Vibrational acceleration	500 m/s ²

Design, dimensions and weight	
Height	8 mm
Diameter	30 mm
Mounting type	gluing, M3 screw

Product properties, functions, components / general	
Product feature	
• printable	No

Standards, specifications, approvals	
MTBF	1141 y

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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