

Product type designation

RF360T transponder

SIMATIC RF300 Transponder RF360T EPOXY card, 8 KB FRAM, IP67. -25 to +70 °C, 85x 54x 2.5 mm, Minimum order quantity 10 units



Suitability for operation

RF300

Radio frequencies	
Operating frequency / Rated value	13.56 MHz
Range / maximum	150 mm; range is reader dependent: observe http://support.automation.siemens.com/WW/view/en/67384964
Protocol / with radio transmission	RF300-specific
Transfer rate / with radio transmission / maximum	106 kbit/s
Product feature / multitag-capable	Yes

Electrical data	
Product component / Backup battery	No

Memory	
Type of memory	FRAM / EEPROM
Storage capacity / of the user memory	8189 byte
Type of memory organization	UID (fixed code) 4 bytes, user memory 8189 bytes, OTP memory 20 bytes
Number of read cycles / at ambient temperature < 40 °C / maximum	10000000000

Number of write cycles / at ambient temperature < 40 °C / maximum	10000000000
Data retention time / at ambient temperature < 40 °C / not less than	10 y
Property of memory	Block-by-block write protection of the OTP memory

Mechanical data

Material	Epoxy resin
Color	anthracite
Mounting distance / relating to metal surfaces / recommended / minimum	20 mm

Ambient conditions

Ambient temperature	
during read/write access	-25 ... +75 °C
outside the read/write area	-40 ... +85 °C
during storage	-40 ... +85 °C
Protection class IP	IP67
Shock resistance	According to DIN EN 60721-3-7 Class 7 M3
Shock acceleration	500 m/s ²
Vibrational acceleration	200 m/s ²
Resistance to mechanical stress	Continuous torsion and bending stress not permissible

Design, dimensions and weights

Width	55 mm
Height	2.5 mm
Depth	86 mm
Net weight	25 g
Mounting type	2 x M3 screws, mounting bag (see accessories)

Product features, product functions, product components / general

Product feature	
silicon-free	Yes
printable	No

Standards, specifications, approvals

Certificate of suitability	
IECEX	No
MTBF	1200 y

accessories

accessories	Fixing strap, spacer
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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
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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