

Product type designation

RF360T transponder

SIMATIC RF300 TRANSPONDER RF360T EPOXY-CARD, 8 KBYTE FRAM, IP 67, -25 UP TO +70 DEGR/C, 85 X 54 X 2.5 MM MIN.
ORDER QUANTITY 10 PCS



Wireless frequencies

Operating frequency / Rated value	13.56 MHz
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Electrical data

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
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

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during read/write access 	-25 ... +75 °C
<ul style="list-style-type: none"> outside the read/write area 	-40 ... +85 °C
<ul style="list-style-type: none"> 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 weight

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 properties, functions, components / general

Product feature	
<ul style="list-style-type: none"> silicon-free 	Yes
<ul style="list-style-type: none"> printable 	No

Standards, specifications, approvals

MTBF	1200 y
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Accessories

accessories	Fixing strap, spacer
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Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> to website: Selector SIMATIC NET SELECTION TOOL 	https://support.industry.siemens.com/cs/ww/en/view/67384964
<ul style="list-style-type: none"> to website: Industrial communication 	http://www.siemens.com/ident/rfid
<ul style="list-style-type: none"> to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> to website: Image database 	http://automation.siemens.com/bilddb

- to website: CAx Download Manager
- to website: Industry Online Support

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

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

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