

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
- outside the read/write area
- during storage

-25 ... +75 °C

-40 ... +85 °C

-40 ... +85 °C

protection class IP

IP67

shock resistance

According to DIN EN 60721-3-7 Class 7 M3

shock acceleration

500 m/s²

vibrational acceleration

200 m/s²

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
fastening method	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
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA 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
last modified:	12/18/2020 