

product type designation



RF320T transponder

SIMATIC RF300 Transponder RF320T button, 20 byte EEPROM, IP67, -25 to +125 °C, D= 27x 4 mm, minimum order quantity 20 units.

suitability for operation

RF300

radio frequencies

operating frequency / rated value	13.56 MHz
range / maximum	60 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
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memory

type of memory	EEPROM
storage capacity / of the user memory	20 byte
type of memory organization	UID (fixed code) 4 bytes, user memory 20 bytes,
number of read cycles / at ambient temperature < 40 °C / maximum	1E+14
number of write cycles / at ambient temperature < 40 °C / maximum	100000
data retention time / at ambient temperature < 40 °C / not less than	10 a
property of memory	Block-by-block write protection of the user memory

mechanical data

material	Epoxy resin
color	black
mounting distance / relating to metal surfaces / recommended / minimum	20 mm

ambient conditions

ambient temperature	
• during read/write access	-25 ... +125 °C
• outside the read/write area	-40 ... +140 °C
• during storage	-40 ... +140 °C
protection class IP	IP67/IPx9K
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	1000 m/s ²
vibrational acceleration	200 m/s ²

design, dimensions and weights

height	4 mm
diameter	27 mm
net weight	5 g
fastening method	M3 screw, gluing

product features, product functions, product components / general

product feature

- silicon-free
- printable

Yes
No

standards, specifications, approvals

certificate of suitability

- IECEx
- cULus approval

No
Yes

MTBF

1800 a

accessories

accessories

Mounting support and spacer

further information / internet links

internet link

- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- 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://support.industry.siemens.com/cs/ww/en/view/67384964><http://www.siemens.com/ident/rfid><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>**last modified:**8/23/2023 