

### 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 <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a>
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	1000000000
number of write cycles / at ambient temperature < 40 °C / maximum	1000000000
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	<ul style="list-style-type: none"> <li>• during read/write access -25 ... +75 °C</li> <li>• outside the read/write area -40 ... +85 °C</li> <li>• during storage -40 ... +85 °C</li> </ul>
protection class IP	IP67
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	500 m/s <sup>2</sup>
vibrational acceleration	200 m/s <sup>2</sup>
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)
<b>product features, product functions, product components / general</b>	
product feature	
• silicon-free	Yes
• printable	No
<b>standards, specifications, approvals</b>	
certificate of suitability	
• IECEx	No
MTBF	1200 y
<b>accessories</b>	
accessories	Fixing strap, spacer
<b>further information / internet-Links</b>	
Internet-Link	
• to web page: selection aid TIA Selection Tool	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>
• to website: Industrial communication	<a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>last modified:</b>	12/18/2020 