

### Product type designation

### RF350T transponder

SIMATIC RF300 Transponder RF350T 32 KB FRAM, IP68, -25 to +85 °C, 50x 50x 20 mm incl. mounting frame



### Suitability for operation

RF300

### Radio frequencies

Operating frequency / Rated value	13.56 MHz
Range / maximum	125 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
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### Memory

Type of memory	FRAM / EEPROM
Storage capacity / of the user memory	32765 byte
Type of memory organization	UID (fixed code) 4 bytes, user memory 32765 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	PA12
Color	anthracite
Mounting distance / relating to metal surfaces / recommended / minimum	0 mm

#### Ambient conditions

Ambient temperature	
• during read/write access	-25 ... +85 °C
• outside the read/write area	-40 ... +85 °C
• during storage	-40 ... +85 °C
Protection class IP	IP68
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>

#### Design, dimensions and weight

Width	50 mm
Height	20 mm
Depth	50 mm
Net weight	25 g
Mounting type	2 x M4 screws

#### 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

#### Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET 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
- to website: Industry Online Support

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

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