

### product type designation



### RF350T transponder

SIMATIC RF300 transponder RF350T 32 KB FRAM, IP68, -25 to +85 °C, 50x 50x 20 mm including fixing 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	1E+10
number of write cycles / at ambient temperature < 40 °C / maximum	1E+10
data retention time / at ambient temperature < 40 °C / not less than	10 a
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	
<ul style="list-style-type: none"> <li>during read/write access</li> <li>outside the read/write area</li> <li>during storage</li> </ul>	-25 ... +85 °C -40 ... +85 °C -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 weights

width	50 mm
height	20 mm
depth	50 mm
net weight	25 g

fastening method	2 x M4 screws
<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
• cULus approval	Yes
MTBF	1200 a
reference code	
• according to IEC 81346-2:2019	CFA
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	0.93 kg
• during manufacturing	0.88 kg
• during operation	0.00041 kg
• after end of life	0.05 kg
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: identification and localization systems	<a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
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<b>security information</b>	
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	 EG-Konf.
	
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<b>EMV</b>	<b>Environment</b>
<a href="#">KC</a>	

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