

### product type designation



Figure similar

### RF340T transponder

SIMATIC RF300 Transponder RF340T 32 KB FRAM, IP67/X9K, -25 to +85 °C, 48x25x 15 mm, minimum order quantity 5 units.

suitability for operation	RF300
<b>radio frequencies</b>	
operating frequency / rated value	13.56 MHz
range / maximum	105 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
<b>electrical data</b>	
product component / backup battery	No
<b>memory</b>	
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
<b>mechanical data</b>	
material	PA12
color	anthracite
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
<b>ambient conditions</b>	
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	IP67/IPx9K
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>
<b>design, dimensions and weights</b>	
width	25 mm
height	15 mm
depth	48 mm

net weight	25 g
fastening method	2 x M3 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
<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>
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