

product type designation



RF340T transponder

SIMATIC RF300 transponder RF340T 8 KB FRAM, IP67/X9K, -25 to +85 °C, 48x2 5x 15 mm, minimum order quantity 5 units

suitability for operation

RF300

radio frequencies

operating frequency / rated value	13.56 MHz
range / maximum	105 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	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	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"> during read/write access outside the read/write area during storage 	<p>-25 ... +85 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p>
protection class IP	IP67/IPx9K
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	500 m/s ²
vibrational acceleration	200 m/s ²

design, dimensions and weights

width	25 mm
height	15 mm
depth	48 mm
net weight	25 g

fastening method	2 x M3 screws
product features, product functions, product components / general	
product feature	
• silicon-free	Yes
• printable	No
standards, specifications, approvals	
certificate of suitability	
• IECEX	No
• cULus approval	Yes
MTBF	1200 a
reference code	
• according to IEC 81346-2:2019	CFA
standards, specifications, approvals / Environmental Product Declaration	
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
further information / internet links	
internet link	
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to web page: identification and localization systems	https://www.siemens.com/ident
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
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