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Data sheet 6GT2800-5AC00

product type designation	**RF360T transponder**
	SIMATIC RF300 Transponder RF360T EPOXY card, 32 KB FRAM, IP67, -25 to +70 °C, 85x 54x 2.5 mm, Minimum order quantity 10 units



Figure similar

suitability for operation	RF300
product brand name	SIMATIC RF
Technical Product Detail Page	https://i.siemens.com/1P6GT2800-5AC00
radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	150 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	No
electrical data	
product component / backup battery	No
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	Epoxy resin
color	anthracite
mounting distance / relating to metal surfaces / recommended / minimum	20 mm
ambient conditions	
ambient temperature	
• during read/write access	-25 ... +75 °C
• outside the read/write area	-40 ... +85 °C
• during storage	-40 ... +85 °C
protection class IP	IP67
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	500 m/s²
vibrational acceleration	200 m/s²
resistance to mechanical stress	Continuous torsion and bending stress not permissible

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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)
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
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
accessories	
accessories	Fixing strap, spacer
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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Approvals / Certificates

General Product Approval






China RoHS | Manufacturer Declaration | Manufacturer Declaration

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