

Data sheet

6GT2800-5BA00

Product type designation	RF330T transponder SIMATIC RF300 TRANSPONDER RF330T BUTTON, 32 K BYTE FRAM, IP 68, -25 UP TO +85 DGR/C, D=30 MM X 8 MM, USABLE IN AND ON METAL MIN. ORDER QUANTITY 10 PCS
Wireless frequencies	
Operating frequency / Rated value	13.56 MHz
Electrical data	
Range / maximum	52 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
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	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	PPS
Color	black
Tightening torque / of the screw for securing the equipment / maximum	1.2 N·m
Mounting distance / relating to metal surfaces / recommended / minimum	0 mm
Permitted ambient conditions	
Ambient temperature	- during read/write access -25 ... +85 °C - outside the read/write area -40 ... +100 °C - during storage -40 ... +100 °C
Protection class IP	IP68 / 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 weight

Height	8 mm
Diameter	30 mm
Net weight	15 g
Mounting type	M4 countersunk screw

Product properties, functions, components / general

Product feature	
• silicon-free	Yes
• printable	No

Standards, specifications, approvals

MTBF	1200 y
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Accessories

accessories	mounting hood
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Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/ident/rfid
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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