SIEMENS

Data sheet 6GT2800-5BD00

Product type designation

RF350T transponder
SIMATIC RF300 Transponder RF350T 32 KB FRAM, IP68, -25 to +85 °C, 50x 50x 20 mm incl. mounting frame



Suitability for operation	RF300

Radio frequencies	
Operating frequency / Rated value	13.56 MHz
Range / maximum	125 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

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

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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	PA12
Color	anthracite
Mounting distance / relating to metal surfaces / recommended / minimum	0 mm

Ambient conditions

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	IP68
Shock resistance	According to DIN EN 60721-3-7 Class 7 M3
Shock acceleration	500 m/s²
Vibrational acceleration	200 m/s²

Design, dimensions and weights

Width	50 mm
Height	20 mm
Depth	50 mm
Net weight	25 g
Mounting type	2 x M4 screws

Product features, product functions, product components / general

Product feature	
• silicon-free	Yes
• printable	No

Standards, specifications, approvals

Certificate of suitability	
• IECEx	No
MTBF	1200 y

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

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• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
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