SIEMENS

Data sheet   **6GT2800-5BE00**

product type designation	**RF370T transponder**

SIMATIC RF300 Transponder RF370T 32 KB FRAM, IP68, -25 to +85 °C, 75x 75x 40 mm.

suitability for operation	RF300

radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	135 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
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
tightening torque / of the screw for securing the equipment / maximum	1.2 N·m
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	

3/30/2022

width	75 mm
height	41 mm
depth	75 mm
net weight	200 g
fastening method	2 x M5 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 web page: selection aid TIA 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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