SIEMENS

Product type designation	**RF370T transponder**
	SIMATIC RF300 TRANSPONDER RF370T 32 KB FRAM,-25 UP TO +85 DGR/C, IP 68; 75 X 75 X 40 MM

Wireless frequencies

Operating frequency / Rated value	13.56 MHz

Electrical data

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 property / 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	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

Permitted 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
Resistance against vibration	200 m/s²

Design, dimensions and weight

Width	75 mm
Height	41 mm
Depth	75 mm
Net weight	200 g
Mounting type	2 x M5 screws

Product properties, functions, components / general

Product property	
• silicon-free	Yes
• printable	No

Standards, specifications, approvals

MTBF	1200 y

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• 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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