

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 | 60 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 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

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|---|--|
| Ambient temperature | |
| <ul style="list-style-type: none"> during read/write access | -25 ... +85 °C |
| <ul style="list-style-type: none"> outside the read/write area | -40 ... +100 °C |
| <ul style="list-style-type: none"> 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 |
| Resistance against vibration | 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

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|--|-----|
| Product property | |
| <ul style="list-style-type: none"> silicon-free | Yes |
| <ul style="list-style-type: none"> printable | No |

Standards, specifications, approvals

| | |
|------|--------|
| MTBF | 1200 y |
|------|--------|

Accessories

| | |
|-------------|---------------|
| accessories | mounting hood |
|-------------|---------------|

Further Information / Internet Links

| | |
|---|---|
| Internet-Link | |
| <ul style="list-style-type: none"> to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| <ul style="list-style-type: none"> to website: Industrial communication | http://www.siemens.com/simatic-net |
| <ul style="list-style-type: none"> to website: Industry Mall | https://mall.industry.siemens.com |
| <ul style="list-style-type: none"> to website: Information and Download Center | http://www.siemens.com/automation/net/catalog |
| <ul style="list-style-type: none"> to website: Image database | http://automation.siemens.com/bilddb |
| <ul style="list-style-type: none"> to website: CAx Download Manager | http://www.siemens.com/cax |
| <ul style="list-style-type: none"> to website: Industry Online Support | https://support.industry.siemens.com |

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