

### 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 <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a> |
| 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     | 1E+10  |
| number of write cycles / at ambient temperature < 40 °C / maximum    | 1E+10  |
| data retention time / at ambient temperature < 40 °C / not less than | 10 a   |
| 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/s <sup>2</sup>                     |
| vibrational acceleration      | 200 m/s <sup>2</sup>                     |

### design, dimensions and weights

|            |       |
|------------|-------|
| width      | 50 mm |
| height     | 20 mm |
| depth      | 50 mm |
| net weight | 25 g  |

|  |   |
|--|---|
| fastening method   | 2 x M4 screws   |
| <b>product features, product functions, product components / general</b> |   |
| product feature  |   |
| • silicon-free   | Yes   |
| • printable  | No  |
| <b>standards, specifications, approvals</b>                              |   |
| certificate of suitability   |   |
| • IECEX  | No  |
| • cULus approval   | Yes   |
| MTBF   | 1200 a  |
| <b>further information / internet links</b>                              |   |
| internet link  |   |
| • to web page: selection aid TIA Selection Tool                          | <a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a> |
| • to website: Industrial communication                                   | <a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a>   |
| • to website: Industry Mall  | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>   |
| • to website: Information and Download Center                            | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>                                   |
| • to website: Image database   | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>   |
| • to website: CAx-Download-Manager                                       | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>   |
| • to website: Industry Online Support                                    | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>   |
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