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## Data sheet 6GT2300-0CE00

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|---|---|
| **product type designation** | **MDS E624 transponder** |
| | MOBY E transponder MDS E624 button, 752-byte EEPROM, IP67, -25 to +125 °C, D=27x 4 mm. |




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|---|---|
| suitability for operation | RF300, MOBY E |
| **radio frequencies** | |
| operating frequency / rated value | 13.56 MHz |
| range / maximum | 40 mm; Range depends on reader |
| protocol / with radio transmission | ISO 14443-A |
| transfer rate / with radio transmission / maximum | 106 kbit/s |
| product feature / multitag-capable | No |
| **electrical data** | |
| product component / backup battery | No |
| **memory** | |
| type of memory | EEPROM |
| storage capacity / of the user memory | 752 byte |
| type of memory organization | UID (permanently coded) 4 bytes, user memory 752 bytes, |
| number of read cycles / at ambient temperature < 40 °C / maximum | 1E+14 |
| number of write cycles / at ambient temperature < 40 °C / maximum | 100000 |
| data retention time / at ambient temperature < 40 °C / not less than | 10 a |
| **mechanical data** | |
| material | Epoxy resin |
| color | black |
| mounting distance / relating to metal surfaces / recommended / minimum | 20 mm |
| **ambient conditions** | |
| ambient temperature | |
| ● during read/write access | -25 ... +125 °C |
| ● outside the read/write area | -40 ... +150 °C |
| ● during storage | -40 ... +150 °C |
| protection class IP | IP67/IPx9K |
| shock acceleration | 1000 m/s² |
| vibrational acceleration | 200 m/s² |
| **design, dimensions and weights** | |
| height | 4 mm |
| diameter | 27 mm |
| net weight | 5 g |
| fastening method | M3 screw, gluing |
| **product features, product functions, product components / general** | |
| product feature | |
| ● silicon-free | Yes |


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|---|---|
| ● printable | No |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● IECEx | No |
| MTBF | 285 a |
| reference code | |
| ● according to IEC 81346-2:2019 | CFA |
| **standards, specifications, approvals / Environmental Product Declaration** | |
| Environmental Product Declaration | Yes |
| global warming potential [CO2 eq] | |
| ● total | 0.93 kg |
| ● during manufacturing | 0.88 kg |
| ● during operation | 0.00041 kg |
| ● after end of life | 0.05 kg |
| **accessories** | |
| accessories | Mounting support and spacer |
| **further information / internet links** | |
| internet link | |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to web page: identification and localization systems | https://www.siemens.com/ident |
| ● to web page: SiePortal | https://sieportal.siemens.com/ |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |
| **security information** | |
| security information | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7) |

**Approvals / Certificates**

| General Product Approval | | | EMV | Environment |
|---|---|---|---|---|
| | | Miscellaneous | KC | Confirmation |

**Environment**

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| **last modified:** | 8/18/2024 |


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