# SIEMENS

**Data sheet**                                                 **6GT2600-1AD00-0AX0**

| product type designation | **MDS D200 transponder** |
| --- | --- |
| | Transponder MDS D200 for RF200/RF300 ISO/MOBY D, PVC ISO card, ISO 15693, Chip type TI TAGIT HFI, 256-byte user memory; 85x 54x 0.8 mm (LxWxH); Minimum order quantity 250 units. |

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| --- | --- |
| suitability for operation | RF200, RF300, MOBY D |
| **radio frequencies** | |
| operating frequency / rated value | 13.56 MHz |
| range / maximum | 600 mm; range is reader dependent: observe http://support.automation.siemens.com/WW/view/en/67384964 |
| protocol / with radio transmission | ISO 15693 |
| transfer rate / with radio transmission / maximum | 26.5 kbit/s |
| product feature / multitag-capable | Yes |
| **electrical data** | |
| product component / backup battery | No |
| **memory** | |
| type of memory | EEPROM |
| storage capacity / of the user memory | 256 byte |
| type of memory organization | UID (fixed code) 8 bytes, user memory 256 bytes, configuration memory 8 bytes |
| number of read cycles / at ambient temperature < 40 °C / maximum | 1E+14 |
| number of write cycles / at ambient temperature < 40 °C / maximum | 1000000 |
| data retention time / at ambient temperature < 40 °C / not less than | 10 a |
| property of memory | Block-by-block write protection of the user memory |
| type of transponder chip used | TI Tag-it HFI |
| **mechanical data** | |
| material | PVC laminated plastic |
| color | white |
| mounting distance / relating to metal surfaces / recommended / minimum | 25 mm |
| **ambient conditions** | |
| ambient temperature | |
| ● during read/write access | -20 ... +60 °C |
| ● outside the read/write area | -20 ... +60 °C |
| ● during storage | -20 ... +60 °C |
| protection class IP | IP67 |
| shock resistance | According to DIN EN 60721-3-7 Class 7 M3 |
| resistance to mechanical stress | Shock and vibration according to ISO 10373 / ISO 7810, torsion and twisting according to ISO 10373 / ISO 7816-1 |
| **design, dimensions and weights** | |
| width | 54 mm |
| height | 0.8 mm |
| depth | 85 mm |

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|---|---|
| net weight | 5 g |
| fastening method | Gluing, mounting bag (see accessories) |
| **product features, product functions, product components / general** | |
| product feature | |
| ● printable | Yes |
| printing process | Printable on both sides |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● IECEx | No |
| MTBF | 228 a |
| **accessories** | |
| accessories | Fixing strap, holder, spacer |
| **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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