SIEMENS

## Data sheet 6GT2600-4AG00

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| **product type designation** | **MDS D425 transponder** |
| | Transponder MDS D425 for RF200/RF300 ISO/MOBY D Screw transponder M6 short, ISO 15693, Chip type FUJITSU MB89R118, 2000 byte FRAM User memory 24x 10 mm (DxH); SW22; minimum order quantity 5 units. |


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| suitability for operation | RF200, RF300 |
| **radio frequencies** | |
| operating frequency / rated value | 13.56 MHz |
| range / maximum | 45 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 | FRAM |
| storage capacity / of the user memory | 2000 byte |
| type of memory organization | UID (fixed code) 8 bytes, user memory 2000 bytes, configuration memory 40 bytes |
| number of read cycles / at ambient temperature < 40 °C / maximum | 1E+12 |
| number of write cycles / at ambient temperature < 40 °C / maximum | 1E+12 |
| 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 | Fujitsu MB89R118 |
| **mechanical data** | |
| material | PA6.6 GF / stainless steel |
| color | black / silver |
| tightening torque / of the screw for securing the equipment / maximum | 6 N·m |
| 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 ... +125 °C |
| ● during storage | -40 ... +125 °C |
| protection class IP | IP68/IPx9K |
| shock resistance | According to DIN EN 60721-3-7 Class 7 M3 |
| shock acceleration | 500 m/s² |
| vibrational acceleration | 200 m/s² |
| **design, dimensions and weights** | |
| height | 10 mm |

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| diameter | 24 mm |
| net weight | 35 g |
| fastening method | screwing (M6) |
| **product features, product functions, product components / general** | |
| product feature | |
| ● silicon-free | Yes |
| ● printable | No |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● IECEx | No |
| MTBF | 228 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 |
| **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 | |
|---|---|---|---|---|---|
| UKCA | CE EG-Konf. | CCC | EAC | Miscellaneous | KC |

**Environment**

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| Confirmation | EPD |

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