

product type designation

MDS D460 transponder



Transponder MDS D460 for RF200/RF300 ISO/MOBY D PILL ISO 15693, Chip type FUJITSU MB89R118, 2000 byte FRAM User memory 16x 3 mm (DxH); Minimum order quantity 50 units.

suitability for operation

RF200, RF300, MOBY D

Technical Product Detail Page

<https://l.siemens.com/1P6GT2600-4AB00>

radio frequencies

| | |
|---|--|
| operating frequency / rated value | 13.56 MHz |
| range / maximum | 160 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 | PPS |
| color | black |
| mounting distance / relating to metal surfaces / recommended / minimum | 10 mm |

ambient conditions

| | |
|---|---|
| ambient temperature | |
| <ul style="list-style-type: none"> during read/write access outside the read/write area during storage | <p>-25 ... +85 °C</p> <p>-40 ... +100 °C</p> <p>-40 ... +100 °C</p> |
| protection class IP | IP67/IPx9K |
| shock resistance | According to DIN EN 60721-3-7 Class 7 M3 |
| shock acceleration | 500 m/s ² |
| vibrational acceleration | 200 m/s ² |

design, dimensions and weights

| | |
|---|--|
| height | 3 mm |
| diameter | 16 mm |
| net weight | 3 g |
| fastening method | patching, gluing |
| product features, product functions, product components / general | |
| product feature | |
| • printable | No |
| standards, specifications, approvals | |
| certificate of suitability | |
| • IECEx | No |
| MTBF | 228 a |
| 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 | |
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Approvals / Certificates

General Product Approval



[China RoHS](#)



[Manufacturer Declaration](#)

| | | |
|--------------------------|-----|-------------|
| General Product Approval | EMV | Environment |
|--------------------------|-----|-------------|

[Miscellaneous](#)

[KC](#)



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