

product type designation



MDS D124 transponder

transponder MDS D124 for RF200/RF300 ISO/MOBY D button heat-resistant up to +180 °C ISO 15693 chip type, NXP ICODE SLI, 112 byte user memory; 27x 4 mm (DxH); minimum order quantity 20 units

suitability for operation

RF200, RF300, MOBY D

product brand name

SIMATIC RF

Technical Product Detail Page

<https://l.siemens.com/1P6GT2600-0AC10>

radio frequencies

operating frequency / rated value

13.56 MHz

range / maximum

300 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

112 byte

type of memory organization

UID (fixed code) 8 bytes, user memory 112 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

100000

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

NXP I-Code SLI

mechanical data

material

PPS

color

black

tightening torque / of the screw for securing the equipment / maximum

1 N·m

mounting distance / relating to metal surfaces / recommended / minimum

15 mm

ambient conditions

ambient temperature

- during read/write access
- outside the read/write area
- during storage

-25 ... +125 °C
-40 ... +180 °C
-40 ... +125 °C

ambient condition / for operation

Operating temperature permanent up to 100 °C, at 180 °C: up to 5000 hours or 3000 temperature cycles

protection class IP

IP68/IPx9K

shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	1000 m/s ²
vibrational acceleration	200 m/s ²
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
• printable	No
standards, specifications, approvals	
certificate of suitability	
• IECEx	Yes
• for IECEx / as marking	Ex: II 1 G Ex ia IIC T6 to T3 Ga / II 1 D Ex ia IIIC T80 °C to T180 °C Da
MTBF	171 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	
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	



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[Manufacturer Declaration](#)

[Miscellaneous](#)

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EMV

For use in hazard-

Environment



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