

### product type designation



### MDS D126 transponder

Transponder MDS D126 for RF200/RF300 ISO/MOBY D disk ISO 15693 chip type, NXP ICODE SLI, 112 byte user memory; 50x 3.6 mm (DxH); Minimum order quantity 50 units.

### suitability for operation

RF200, RF300, MOBY D

### radio frequencies

operating frequency / rated value	13.56 MHz
range / maximum	500 mm; range is reader dependent: observe <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a>
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
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### 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	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	NXP I-Code SLI

### mechanical data

material	PA6.6 GF
color	black
tightening torque / of the screw for securing the equipment / maximum	1 N·m
mounting distance / relating to metal surfaces / recommended / minimum	25 mm

### ambient conditions

ambient temperature	
• during read/write access	-25 ... +85 °C
• outside the read/write area	-40 ... +100 °C
• during storage	-40 ... +100 °C
protection class IP	IP68
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	500 m/s <sup>2</sup>
vibrational acceleration	200 m/s <sup>2</sup>

### design, dimensions and weights


height	3.6 mm
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diameter	50 mm
net weight	13 g
fastening method	M4 screw
<b>product features, product functions, product components / general</b>	
product feature	
• printable	No
<b>standards, specifications, approvals</b>	
certificate of suitability	
• IECEx	No
MTBF	171 a
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
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
<b>accessories</b>	
accessories	Mounting support and spacer
<b>further information / internet links</b>	
internet link	
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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 <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . 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 <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7)

**Approvals / Certificates**

General Product Approval	EMV
<a href="#">Manufacturer Declaration</a>	
<a href="#">Miscellaneous</a>	 EG-Konf.
	
	<a href="#">KC</a>

**Environment**

<a href="#">Confirmation</a>	
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