

product type designation

**MDS D426 transponder**

Transponder MDS D426 for RF200/RF300 ISO/MOBY D disk ISO 15693, Chip type FUJITSU MB89R118, 2000 byte FRAM User memory 50x 3.2 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	400 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
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	1000000000000

number of write cycles / at ambient temperature < 40 °C / maximum	1000000000000
data retention time / at ambient temperature < 40 °C / not less than	10 y
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
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	
<ul style="list-style-type: none"> <li>during read/write access</li> </ul>	-25 ... +85 °C
<ul style="list-style-type: none"> <li>outside the read/write area</li> </ul>	-40 ... +100 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-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
diameter	50 mm
net weight	13 g
fastening method	M4 screw

#### product features, product functions, product components / general

product feature	
<ul style="list-style-type: none"> <li>printable</li> </ul>	No

#### standards, specifications, approvals

certificate of suitability	
<ul style="list-style-type: none"> <li>IECEX</li> </ul>	No
MTBF	228 y

#### accessories

accessories	Mounting support and spacer
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#### further information / internet-Links

Internet-Link	
<ul style="list-style-type: none"> <li>to website: Selector TIA Selection Tool</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>
<ul style="list-style-type: none"> <li>to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a>
<ul style="list-style-type: none"> <li>to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>

- to website: Information and Download Center
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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