

### product type designation

### MDS D200 transponder

Transponder MDS D200 for RF200/RF300 ISO/MOBY D, PVC ISO card, ISO 15693, Chip type TI TAGIT HFI, 256-byte user memory; 85x 54x 0.8 mm (LxWxH); Minimum order quantity 250 units.



### suitability for operation

RF200, RF300, MOBY D

### radio frequencies

operating frequency / rated value	13.56 MHz
range / maximum	600 mm; range is reader dependent: observe <a href="http://support.automation.siemens.com/WWW/view/en/67384964">http://support.automation.siemens.com/WWW/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	EEPROM
storage capacity / of the user memory	256 byte
type of memory organization	UID (fixed code) 8 bytes, user memory 256 bytes, configuration memory 8 bytes
number of read cycles / at ambient temperature < 40 °C / maximum	10000000000000
number of write cycles / at ambient temperature < 40 °C / maximum	1000000
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	TI Tag-it HFI

### mechanical data

material	PVC laminated plastic
color	white
mounting distance / relating to metal surfaces / recommended / minimum	25 mm

### ambient conditions

ambient temperature	-20 ... +60 °C
<ul style="list-style-type: none"> <li>during read/write access</li> <li>outside the read/write area</li> <li>during storage</li> </ul>	-20 ... +60 °C
protection class IP	IP67
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
resistance to mechanical stress	Shock and vibration according to ISO 10373 / ISO 7810, torsion and twisting according to ISO 10373 / ISO 7816-1

### design, dimensions and weights

width	54 mm
-------	-------

height	0.8 mm
depth	85 mm
net weight	5 g
fastening method	Gluing, mounting bag (see accessories)
<b>product features, product functions, product components / general</b>	
product feature	
• printable	Yes
printing process	Printable on both sides
<b>standards, specifications, approvals</b>	
certificate of suitability	
• IECEx	No
MTBF	228 y
<b>accessories</b>	
accessories	Fixing strap, holder, spacer
<b>further information / internet-Links</b>	
Internet-Link	
• to web page: selection aid TIA Selection Tool	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>
• to website: Industrial communication	<a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>last modified:</b>	12/18/2020 