

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 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
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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	1000000000000000
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 <ul style="list-style-type: none"> during read/write access outside the read/write area during storage 	-20 ... +60 °C -20 ... +60 °C -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
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height	0.8 mm
depth	85 mm
net weight	5 g
fastening method	Gluing, mounting bag (see accessories)
product features, product functions, product components / general	
product feature	
• printable	Yes
printing process	Printable on both sides
standards, specifications, approvals	
certificate of suitability	
• IECEx	No
MTBF	228 y
accessories	
accessories	Fixing strap, holder, spacer
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/ident/rfid
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
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