

Product type designation

MDS D400 transponder

Transponder MDS D400 for RF200/RF300 ISO/MOBY D PVC ISO card, ISO 15693, Chip type FUJITSU MB89R118, 2000 byte FRAM user memory 85x 54x 0.8 mm (LxWxH); Minimum order quantity 50 units



Suitability for operation

RF200, RF300, MOBY D

Radio frequencies

Operating frequency / Rated value	13.56 MHz
Range / maximum	650 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
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	PVC laminated plastic
Color	white
Mounting distance / relating to metal surfaces / recommended / minimum	20 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	acc. to ISO 10373/ ISO 7816-1
Width	54 mm
Height	0.8 mm
Depth	85.6 mm
Net weight	5 g
Mounting type	gluing, mounting bag (see accessories)

Product features, product functions, product components / general

Product feature	
<ul style="list-style-type: none"> printable 	Yes
Printing process	Printable on both sides

Standards, specifications, approvals

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

accessories

accessories	Fixing strap, holder, spacer
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Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> to website: Selector SIMATIC NET SELECTION TOOL to website: Industrial communication to website: Industry Mall to website: Information and Download Center to website: Image database to website: CAx Download Manager 	https://support.industry.siemens.com/cs/ww/en/view/67384964 http://www.siemens.com/ident/rfid https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax

- to website: Industry Online Support

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

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