

Product type designation

MDS E600 transponder

MOBY E mobile data memory MDS E600 ISO card, 752 bytes
EEPROM, IP68, -25 ... +60 °C, 85x 54x 0.8 mm



Suitability for operation

RF300, MOBY E

Radio frequencies

Operating frequency / Rated value	13.56 MHz
Range / maximum	70 mm; Range depends on reader
Protocol / with radio transmission	ISO 14443-A
Transfer rate / with radio transmission / maximum	106 kbit/s
Product feature / multitag-capable	No

Electrical data

Product component / Backup battery	No
Type of memory	EEPROM
Storage capacity / of the user memory	752 byte
Type of memory organization	UID (permanently coded) 4 bytes, user memory 752 bytes,
Number of read cycles / at ambient temperature < 40 °C / maximum	100000000000000
Number of write cycles / at ambient temperature < 40 °C / maximum	1000000
Data retention time / at ambient temperature < 40 °C / not less than	10 y

Mechanical data	
Material	PVC
Color	Anthracite/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 	-25 ... +60 °C
<ul style="list-style-type: none"> outside the read/write area 	-25 ... +60 °C
<ul style="list-style-type: none"> during storage 	-25 ... +60 °C
Protection class IP	IP68
Resistance to mechanical stress	Shock and vibration according to ISO 10373 / ISO 7810, torsion and twisting according to ISO 10373 / ISO 7816-1
Width	54 mm
Height	0.8 mm
Depth	86 mm
Net weight	6 g
Mounting type	Gluing, mounting bag (see accessories)

Product features, product functions, product components / general	
Product feature	
<ul style="list-style-type: none"> silicon-free 	Yes
<ul style="list-style-type: none"> printable 	No

Standards, specifications, approvals	
Certificate of suitability	
<ul style="list-style-type: none"> IECEX 	No
MTBF	234 y

accessories	
accessories	Fixing strap, holder, spacer

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