

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
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memory

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	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

mechanical data

material	PVC
color	Anthracite/white
mounting distance / relating to metal surfaces / recommended / minimum	20 mm

ambient conditions

ambient temperature	
• during read/write access	-25 ... +60 °C
• outside the read/write area	-25 ... +60 °C
• 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

design, dimensions and weights

width	54 mm
height	0.8 mm
depth	86 mm
net weight	6 g

fastening method	Gluing, mounting bag (see accessories)
product features, product functions, product components / general	
product feature	
• silicon-free	Yes
• printable	No
standards, specifications, approvals	
certificate of suitability	
• IECEx	No
MTBF	234 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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