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Data sheet 6GT2300-0CD00

product type designation	**MDS E623 transponder**
	MOBY E mobile data memory MDS E623 pill, 752 bytes EEPROM, for flush mounting in metal; IP67, -25 ... +85 °C, D=10x 4.5 mm according to DIN 69873.

suitability for operation	RF300, MOBY E
radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	5 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
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	1E+14
number of write cycles / at ambient temperature < 40 °C / maximum	1000000
data retention time / at ambient temperature < 40 °C / not less than	10 a
mechanical data	
material	Epoxy resin
color	black
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
ambient conditions	
ambient temperature	
● during read/write access	-25 ... +85 °C
● outside the read/write area	-40 ... +100 °C
● during storage	-40 ... +100 °C
protection class IP	IP67/IPx9K
shock acceleration	1000 m/s²
vibrational acceleration	200 m/s²
design, dimensions and weights	
height	4.5 mm
diameter	10 mm
net weight	4 g
fastening method	Bonding
product features, product functions, product components / general	
product feature	
● silicon-free	Yes

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● printable	No
standards, specifications, approvals	
certificate of suitability	
● IECEx	No
MTBF	285 a
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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