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Data sheet 6GT2300-0AA00

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
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	100000
data retention time / at ambient temperature < 40 °C / not less than	10 a
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	

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● silicon-free	Yes
● printable	No
standards, specifications, approvals	
certificate of suitability	
● IECEx	No
MTBF	234 a
reference code	
● according to IEC 81346-2:2019	CFA
accessories	
accessories	Fixing strap, holder, spacer
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: identification and localization systems	https://www.siemens.com/ident
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval			EMV	Environment
CE EG-Konf.	CCC	EAC	Miscellaneous	KC	Confirmation

last modified: 9/7/2024

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