SIEMENS

Data sheet   **6GT2600-0AF00**

product type designation	**MDS D127 transponder**
	Transponder MDS D127 for RF200/RF300 ISO On-Metal Transponder M6 ISO 15693 chip type, NXP ICODE SLI, 112 byte user memory; 6x 6 mm (DxH); minimum order quantity 10 units.

suitability for operation	RF200, RF300
radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	5 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
memory	
type of memory	EEPROM
storage capacity / of the user memory	112 byte
type of memory organization	UID (fixed code) 8 bytes, user memory 112 bytes, configuration memory 8 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
property of memory	Block-by-block write protection of the user memory
type of transponder chip used	NXP I-Code SLI
mechanical data	
material	PA6
color	black
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
ambient conditions	
ambient temperature	
● during read/write access	-25 ... +100 °C
● outside the read/write area	-40 ... +125 °C
● during storage	-40 ... +125 °C
protection class IP	IP68/IPx9K
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	1000 m/s²
vibrational acceleration	200 m/s²
design, dimensions and weights	
height	5.8 mm
diameter	6 mm
net weight	1 g

fastening method	gluing, screwing
product features, product functions, product components / general	
product feature	
● printable	No
standards, specifications, approvals	
certificate of suitability	
● IECEx	No
MTBF	228 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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