SIEMENS

Data sheet **6GT2600-5AC00**

product type designation	**MDS D524 transponder**

Transponder MDS D524 only for RF200/RF300 Gen2, button ISO 15693, chip type, Fujitsu MB89R112, 8192-byte FRAM user memory 27x 4 mm (DxH); minimum order quantity 20 units.

suitability for operation	RF200, RF300
radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	300 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	FRAM
storage capacity / of the user memory	8192 byte
type of memory organization	UID (fixed code) 8 bytes, user memory 8192 bytes, configuration memory 40 bytes
number of read cycles / at ambient temperature < 40 °C / maximum	1E+12
number of write cycles / at ambient temperature < 40 °C / maximum	1E+12
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	Fujitsu MB89R112
mechanical data	
material	Epoxy resin
color	black
tightening torque / of the screw for securing the equipment / maximum	1 N·m
mounting distance / relating to metal surfaces / recommended / minimum	15 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 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	4 mm

diameter	27 mm
net weight	5 g
fastening method	M3 screw, gluing
product features, product functions, product components / general	
product feature	
● silicon-free	Yes
● printable	No
standards, specifications, approvals	
certificate of suitability	
● IECEx	No
MTBF	171 a
accessories	
accessories	Mounting support and 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

last modified: 9/22/2023 ⬈

10/26/2023