SIEMENS

Data sheet   **6GT2600-4AC00**

Product type designation	MDS D424 transponder
	Transponder MDS D424 for RF200/RF300 ISO/MOBY D button ISO 15693, Chip type FUJITSU MB89R118, 2000 byte FRAM User memory 27x 4 mm (DxH); Minimum ordering quantity 20 units

Suitability for operation	RF200, RF300, MOBY D

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
Type of memory	FRAM
Storage capacity / of the user memory	2000 byte
Type of memory organization	UID (fixed code) 8 bytes, user memory 2000 bytes, configuration memory 40 bytes
Number of read cycles / at ambient temperature < 40 °C / maximum	1000000000000
Number of write cycles / at ambient temperature < 40 °C / maximum	1000000000000

12/16/2019

Data retention time / at ambient temperature < 40 °C / not less than	10 y
Property of memory	Block-by-block write protection of the user memory
Type of transponder chip used	Fujitsu MB89R118

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 weight

Height	4 mm
Diameter	27 mm
Net weight	5 g
Mounting type	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 y

accessories

accessories	Mounting support and spacer

Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/ident/rfid

12/16/2019

- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

https://mall.industry.siemens.com

http://www.siemens.com/industry/infocenter

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

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