SIEMENS

Data sheet 6GT2600-4AD00

product type designation	**MDS D400 transponder**
	Transponder MDS D400 for RF200/RF300 ISO/MOBY D PVC ISO card, ISO 15693, Chip type FUJITSU MB89R118, 2000 byte FRAM user memory 85x 54x 0.8 mm (LxWxH); Minimum order quantity 50 units.

suitability for operation	RF200, RF300, MOBY D
radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	650 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	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	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 MB89R118
mechanical data	
material	PVC laminated plastic
color	white
mounting distance / relating to metal surfaces / recommended / minimum	20 mm
ambient conditions	
ambient temperature	
● during read/write access	-20 ... +60 °C
● outside the read/write area	-20 ... +60 °C
● during storage	-20 ... +60 °C
protection class IP	IP67
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
resistance to mechanical stress	acc. to ISO 10373/ ISO 7816-1
design, dimensions and weights	
width	54 mm
height	0.8 mm
depth	85.6 mm
net weight	5 g

fastening method	gluing, mounting bag (see accessories)

product features, product functions, product components / general

product feature	
● printable	Yes
printing process	Printable on both sides

standards, specifications, approvals

certificate of suitability	
● IECEx	No
MTBF	228 a

standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
● total	0.93 kg
● during manufacturing	0.88 kg
● during operation	0.00041 kg
● after end of life	0.05 kg

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
UKCA CE EG-Konf. EAC CCC EAC	KC

Environment
Confirmation EPD

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