

product type designation



MDS D423 transponder

Transponder MDS D423 for RF200/RF300 ISO button for in and on metal, ISO 15693, Chip type FUJITSU MB89R118, 2000 byte FRAM user memory 30x 8 mm (DxH); Minimum order quantity 10 units.

suitability for operation

RF200, RF300

Technical Product Detail Page

<https://l.siemens.com/1P6GT2600-4AA00>

radio frequencies

operating frequency / rated value	13.56 MHz
range / maximum	80 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
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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	PPS
color	black
tightening torque / of the screw for securing the equipment / maximum	1 N·m
mounting distance / relating to metal surfaces / recommended / minimum	0 mm

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> during read/write access outside the read/write area during storage 	<p>-25 ... +85 °C</p> <p>-40 ... +100 °C</p> <p>-40 ... +100 °C</p>
protection class IP	IP68/IPx9K
shock resistance	According to DIN EN 60721-3-7 Class 7 M3
shock acceleration	500 m/s ²
vibrational acceleration	200 m/s ²

design, dimensions and weights	
height	8 mm
diameter	30 mm
net weight	15 g
fastening method	M4 countersunk screw

product features, product functions, product components / general	
product feature	
<ul style="list-style-type: none"> silicon-free 	Yes
<ul style="list-style-type: none"> printable 	No

standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> IECEX 	No
MTBF	228 a

standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> total 	0.93 kg
<ul style="list-style-type: none"> during manufacturing 	0.88 kg
<ul style="list-style-type: none"> during operation 	0.00041 kg
<ul style="list-style-type: none"> after end of life 	0.05 kg

accessories	
accessories	mounting hood

further information / internet links	
internet link	
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool to web page: identification and localization systems to web page: SiePortal to website: Image database to website: CAx-Download-Manager to website: Industry Online Support 	https://www.siemens.com/tstcloud https://www.siemens.com/ident https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com

security information	
security information	<p>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)</p>

Approvals / Certificates	
General Product Approval	



[China RoHS](#)

[Manufacturer Declaration](#)

EMV	Environment
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