

Product-type designation	
	
<b>MDS D422 transponder</b>	
MOBY D / RF300 ISO TRANSPONDER MDS D422; SCREW. TRANSPONDER IN METAL; ACC. TO ISO 15693; 2000 BYTE FRAM USER MEMORY 20X6MM DXH, M20 THREAD; PROT. MODE IP 68; MINIMUM ORDER 5 PCS INCL. FASTENING TOOL (1X);	
Suitability for installation	RF200, RF300
Wireless frequencies	
Operating frequency / rated value	13.56 MHz
Electrical data	
Range / maximum	15 mm
Protocol / for radio transmission	ISO 15693
Transfer rate / with radio transmission / maximum	26.5 kbit/s
Product property / multitag-capable	Yes
Product component / Buffer battery	No
Memory	
Type of memory	FRAM
Memory capacity / of 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	10000000000
Number of write cycles / at ambient temperature < 40 °C / maximum	10000000000
Data retention time / at ambient temperature < 40°C / at least	10 a
Property of memory	Block-by-block write protection of the user memory
Mechanical data	
Material	PA6.6 GF / brass, nickel-plated

Tightening torque / of screw for mounting the equipment / maximum	1 N·m
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Mounting distance / for metal surfaces / recommended / minimum	0 mm
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#### Permitted ambient conditions

Ambient temperature	
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| • during operating | -25 +85 °C  |
| • during storage   | -40 +100 °C |
| • during transport | -40 +100 °C |

Protection class IP	IP68
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Resistance against shock	According to DIN EN 60721-3-7 Class 7 M3
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Resistance against shock	500 m/s²
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Resistance against vibration	200 m/s²
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#### Design, dimensions and weight

Height	6 mm
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Diameter	20 mm
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Net weight	13 g
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#### Product properties, functions, components / general

Product feature / silicon-free	Yes
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Product property / printable	No
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#### Standards, specifications, approvals

Mean time between failures (MTBF)	228 a
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letzte Änderung:	Apr 21, 2014
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