

Product-type designation	
	
MDS D422 transponder	
TRANSPONDER MDS D422 FOR RF200/ RF300 ISO M20 FOR SCREWING IN METAL ISO 15693 CHIP TYPE, FUJITSU MB89R118, 2000 BYTE FRAM USER MEMORY 20 X 6 MM (DXH); -25 UP TO +85 DGR; MINIMAL ORDER QUANTITY 5 PCS	
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
Mounting distance / for metal surfaces / recommended / minimum	0 mm
Permitted 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	IP68
Resistance against shock	According to DIN EN 60721-3-7 Class 7 M3
Resistance against shock	500 m/s²
Resistance against vibration	200 m/s²
Design, dimensions and weight	
Height	6 mm
Diameter	20 mm
Net weight	13 g
Product properties, functions, components / general	
Product feature / silicon-free	Yes
Product property / printable	No
Standards, specifications, approvals	
MTBF	228 a
letzte Änderung:	Jul 21, 2014