

<b>Product-type designation</b>		<b>MDS D428 transponder</b>
		<p>TRANSPONDER MDS D428 FUER RF200/ RF300 ISO/ MOBY D SCREW TRANSPONDER M8 LONG ISO 15693 CHIP TYPE, FUJITSU MB89R118, 2000 BYTE FRAM USER MEMORY 24 X 20 MM (DXH); SW22; WITH SURFACE PROTECTION PLATE -25 UP TO +85 DGR; MINIMAL ORDER QUANTITY 5 PCS</p>
Suitability for installation		RF200, RF300, MOBY D
<b>Wireless frequencies</b>		
Operating frequency / rated value		13.56 MHz
<b>Electrical data</b>		
Range		
<ul style="list-style-type: none"> <li>• maximum</li> </ul>		150 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
<b>Memory</b>		
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
<b>Mechanical data</b>		

Material	PA6.6 GF / stainless steel
Tightening torque / of screw for mounting the equipment / maximum	6 N·m
Mounting distance / for metal surfaces / recommended / minimum	0 mm

#### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>during read/write access</li> </ul>	-25 ... +85 °C
<ul style="list-style-type: none"> <li>outside the read/write area</li> </ul>	-40 ... +125 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 +125 °C
Protection class IP	IP68 / IPx9K
Resistance against shock	According to DIN EN 60721-3-7 Class 7 M3
Resistance against shock	500 m/s <sup>2</sup>
Resistance against vibration	200 m/s <sup>2</sup>

#### Design, dimensions and weight

Height	20 mm
Diameter	18 mm
Net weight	35 g

#### Product properties, functions, components / general

Product feature / silicon-free	Yes
Product property / printable	No

**letzte Änderung:** Jul 21, 2014