

Product-type designation	
	
MDS D160 transponder	
TRANSPONDER MDS D160 FOR RF200/ RF300 ISO/ MOBY D HEAT RESISTANT UP TO +175 DGR ISO 15693 CHIP TYPE, NXP ICODE SLI, 112 BYTE USER MEMORY; 16 X 3 MM (DXH); -25 UP TO +175 DGR; MINIMAL ORDER QUANTITY 100 PCS.	
Suitability for installation	RF200, RF300, MOBY D
Wireless frequencies	
Operating frequency / rated value	13.56 MHz
Electrical data	
Range	
• maximum	180 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	EEPROM
Memory capacity / of user memory	112 byte
Type of memory organization	UID (fixed code) 8 bytes, user memory 112 bytes, configuration memory 8 bytes
Number of read cycles / at ambient temperature < 40 °C / maximum	1000000000000000
Number of write cycles / at ambient temperature < 40 °C / maximum	1000000
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	PPS
Mounting distance / for metal surfaces / recommended / minimum	25 mm
Permitted ambient conditions	
Ambient temperature	
• during read/write access	-25 ... +85 °C
• outside the read/write area	-40 ... +175 °C
• during storage	-25 +100 °C
Protection class IP	IP68 / IPx9K
Resistance against shock	According to DIN EN 60721-3-7 Class 7 M3
Resistance against shock	400 m/s ²
Resistance against vibration	100 m/s ²
Design, dimensions and weight	
Height	3 mm
Diameter	16 mm
Net weight	1.2 g
Product properties, functions, components / general	
Product property / printable	No
Standards, specifications, approvals	
MTBF	228 a
Accessories	Mounting support and spacer
letzte Änderung:	Jul 21, 2014