


# MD-R Proximity reader

## Datasheet



 EN60839-11-1 GRADE 4

 RS-485 with AES-356 encryption

 42mA current consumption

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# MIFARE DESFire Proximity reader

Characteristic	
AVAILABLE VERSIONS	MD-R (w) – for indoor installation purposes only MD-R (z) – for outdoor installation purposes
COOPERATION WITH CONTROLLERS	NODER EE12 NODER EWE4 NODER EWE4-LCD
COMMUNICATION INTERFACE	RS-485 (AES-256 encryption)

Technical Specifications	
RFID STANDARDS	MIFARE Classic, MIFARE DESFire
WORKING TYPE	reading only
FREQUENCY	13,56MHz
MAXIMUM READING RANGE	up to 4cm
READER-CONTROLLER DISTANCE	up to 1000m (without power)
DIODE	two-color
BUZZER	built-in
KEYPAD	no
COLOUR	black
SUPPLY VOLTAGE	12V DC
ENERGY CONSUMPTION	approximately ~42mA (max. ~75mA)
DIMENSIONS	41 x 98 x 16mm (1,61 x 3,86 x 0,63in)
WEIGHT	85g (0,19lb)
WORKING TEMPERATURE	-40°C - +65°C
STORAGE TEMPERATURE	-50°C - +80°C
AMBIENT RELATIVE HUMIDITY	<80%
INGRESS PROTECTION	IP51 for MD-R (w) version, IP65 for MD-R (z) version
NORMS	CE