

MCRN2P RFID/NFC Reader with OLED Display

MCRN2P R 1.1
Aug 30, 2021

Key Features

Frequency	13.56 MHz
Interface	Ethernet (PoE-Enabled) RS485/RS232, NFC/RFID
Standards	ISO14443A/B, ISO15693
Supported Cards & Transponders	MIFARE® Family & NTAG I-Code NFC Smartphones
Antenna	Internal
Display	OLED 128x64
Housing	Waterproof IP67
Power supply	+12V or PoE
Dimensions	100x100x25mm



1 DESCRIPTION

The MCRN2P is an advanced RFID-Reader supporting multiple ISO standards. The design and interface possibilities could be individually customized and adjusted to the needs in the application.

2 ELECTRICAL

SYMBOL	PARAMETER	MIN	TYP	MAX	UNIT
VIN	Input Voltage	+8	-	+60	V
IIN	Input Current (VIN=+12V)	-	50	200	mA
VR	Maximum Reverse Voltage	-	+60	-	V
TA	Ambient Temperature Range	-40	-	+85	°C
RS485-VOD	Differential Output (RL=54Ω)	+1.5	+2	+3.3	V
RS485-A/B	Input Voltages	-8V	-	+13	V
RS485-A/B	Output Voltages	-	+3.3	-	V
RS232 Receiver	Input Voltages	-30	-	+30	V
RS232 Transmitter	Output Voltages	±5	±5.2	-	V
Relays (SSR)	2x Solid State Relays 1.2A (3A peak) 30V				
ESD Performance					
RS485-A/B	IEC 61000-4-2 (ESD) ±15kV (air), ±8kV (contact)				
RS232	IEC 61000-4-2 (ESD) ±15kV (air), ±8kV (contact)				
MTBF	500.000h				

3 DETAILS



Blind lids for wall mounting



Waterproof variant



Standard variant

4 ORDERING CODES

ARTICLE NR:	Waterproof	PoE-Ethernet	Relays	Inputs	RS232	RS485
MCRN2P-1100	IP67	1				
MCRN2P-1200	IP54	1	2	2	1	1

