PRT12MF-DES

MIFARE® DESFire®
Proximity Reader

roger
Intelligence for Building

Proximity reader designed for use in access control systems with the highest level of security requirements. PRT12MF-DES can read numbers (SSN and MSN) stored in encrypted memory sectors of MIFARE Classic, MIFARE Plus and MIFARE DESFire EV1 proximity cards. Both data and communication protocols of such cards are protected by encryption algorithms AES128bit (MIFARE Plus) and DES, DES3, 3KDES (MIFARE DESFire EV1). Reader operate as a slave unit connected to access controller and is dedicated to read card number (and/or PIN) and transmit data to controller which makes final decision on system reaction.

Features:

- power supply 12 VDC
- average current consumption 85 mA (60 mA for version without keypad)
- ISO/IEC 14443A/MIFARE Ultralight, Classic, DESFire EV1, Plus cards
- reads CSN, MSN or SSN number
- reading distance up to 6 cm
- data output formats: RACS CLK/DTA, Wiegand 26-66bit
- three LED indicators
- LED and Buzzer controlled through separate inputs
- Buzzer loudness and keypad backlight level control
- two function keys
- tamper alarm (both enclosure opening and detachment)
- connecting cable 0.5 m
- configuration with computer (RogerVDM software)
- outdoor/indoor installation
- IP65
- environmental conditions of operation:
  - temperature from -25°C to +60°C
  - humidity from 10% to 95%
- dimensions (height x width x depth):
  - with standard enclosure base: 152.5 x 46.0 x 23.0 mm
  - with extended enclosure base: 152.5 x 46.0 x 35.0 mm
- weight: ≈150.0 g
- CE mark

Ordering guide	
Item	*Description*
PRT12MF-DES	MIFARE Classic/Plus/DESFire outdoor proximity reader with keypad
PRT12MF-DES-BK	MIFARE Classic/Plus/DESFire outdoor proximity reader

Roger sp. z o.o. sp. k.
Gościszewo 59
82-400 Sztum
Poland

T. +48 55 272 0132
F. +48 55 272 0133
E. roger@roger.pl
I. www.roger.pl