**Access Control Readers and Credentials**

Used by many of the world’s leading security businesses, our access control components offer innovative design and functionality with card readers supporting the broadest range of proximity and smartcard technologies available. The reader is the most important part of an access control solution, forming the vital link between credentials and the access control system. As a leading specialist in the design and manufacture of access control readers, we provide class-leading migration and security levels with the latest proven standards-based data encryption with advanced methods of authentication. Project consultancy and tailored individual solutions are available.

**Access control readers for junction boxes**

Series 5 readers fit onto all flush mounted junction boxes used in Europe; with the corresponding accessories they are suitable for installing all over the world. Depending on the requirements, there are single frequency and dual frequency versions available. This approach unifies 125 kHz technology and the forward-looking 13.56 MHz smart card technology to a single product and makes it possible to migrate easily to new, more secure card technologies. All card readers are equipped with an updatable memory so it will be possible to load future card technologies, cryptography protocols as well as simple changes to functions into the deister RFID reader at any time. In particular, that makes security-relevant changes possible without having to modify the hardware. The reader version with an integrated keypad provides an added level of security.

**Your benefits at a glance:**

- Dual-frequency reader supports migration to more secure smart cards
- Processes all common chip technologies in the 125 kHz and 13.56 MHz market
- Compatible with most systems thanks to open, programmable interfaces
- Colour and design can be changed at any time using replaceable "covers"
- Load new software versions at any time

**Technical data**

- **Dimensions WxHxD:** 110 x 83 x 16.5 mm
- **Housing material:** ASA, PC
- **Colour:** Black or grey
- **Protection class:** IP54
- **Mounting:** Surface mounting
- **Operating temperature:** -25...+60°C
- **Relative humidity:** 5...95%, non-condensing
- **Power requirement:** 12...24 VDC / max. 350 mA
- **Frequencies:**
  - CRD 5 / CRD 5 K: 13.56 MHz / 125 kHz
  - CRL 5 / CRL 5 K: 13.56 MHz
  - CRM 5 / CRM 5 K: 13.56 MHz
- **Transponder technologies:**
  - CRD 5 / CRD 5 K: ISO14443A+B, ISO15693, 125 kHz; HID® prox, prox-Entry, HITAG, EM
  - CRL 5 / CRL 5 K: Logic Prime, Logic Advant
  - CRM 5 / CRM 5 K: ISO14443A+B, ISO15693
- **Encryption:** mitafire® classic, DESFire EV1, HITAG 2 crypto
- **Reading distance:** Up to 80 mm depending on the technology
- **Signalling:** Red, green and yellow LED, beeper
- **Interface(s):** Open Collector, RS485
- **Protocols:** Wiegand, Data/Clock, MagStripe, deBUS, customized

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