

deister – innovative products and solutions

The name deister electronic has been synonymous with innovative RFID products and solutions in the fields of security and automatic identification for more than 40 years. Our portfolio of products is used to manage keys and valuable objects, for vehicle identification, access control as well as logistics and automation technology. Developing and marketing new technologies as well as interfaces between products and systems forms the basis to create flexible solutions for customer-specific applications.

Access control readers for junction boxes

The PRx 5 / KPx 5 is an online reader. Due to their design 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.

The fully encapsulated readers are specially designed for installation outdoors, where the weather is a factor.

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 updateable 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**



PRx 5



KPx 5

Technical data

| | |
|----------------------------------|---|
| Dimensions WxHxD: | 80 x 80 x 16 mm |
| Housing material: | ASA |
| Colour: | Grey |
| Protection class: | |
| PRx 5 | IP65 |
| KPx 5 | IP54 |
| Mounting: | Surface mounting |
| Operating temperature: | -25...+60°C |
| Relative humidity: | 5...100%, condensing |
| Power requirement: | 12...24 VDC / max. 350 mA |
| Frequencies: | |
| PRD 5 / KPD 5 | 13.56 MHz / 125 kHz |
| PRL 5 / KPL 5 | 13.56 MHz |
| PRM 5 / KPM 5 | 13.56 MHz |
| Transponder technologies: | |
| PRD 5 / KPD 5 | ISO14443A+B, ISO15693, MIFARE® DESFire (EV1 & EV2) |
| PRL 5 / KPL 5 | 125 kHz: HID® prox, proxEntry, HITAG, EM Legic Prime, Legic Advant, MIFARE® DESFire (EV1 & EV2) |
| PRM 5 / KPM 5 | ISO14443A+B, ISO15693, MIFARE® DESFire (EV1 & EV2) |
| Encryption: | MIFARE® classic, AES, 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, deBus crypt, OSDP V2, customized |