

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 reader for diverse switch frames

The PRx 4 is an online reader. It is ideally suited for integrating in call stations and the grid frame ranges of diverse European manufacturers.

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.

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**
- **Load new software versions at any time**
- **Compatible with grid frame ranges available from GIRA, Jung, Busch-Jäger**

Technical data

Dimensions WxHxD:	71 x 71 x 20.5 mm
Housing material:	Galvanized sheet steel, ASA
Protection class:	IP65
Mounting:	Concealed installation
Operating temperature:	-25...+60 °C
Relative humidity:	5...100%, condensing
Power requirement:	12...24 VDC / max. 350 mA
Frequencies:	
PRD 4	13.56 MHz / 125 kHz
PRL 4	13.56 MHz
Transponder-technologies:	
PRD 4	ISO14443A+B, ISO15693, MIFARE DESFire 125 kHz: HID [®] prox, proxEntry, HITAG, EM,
PRL 4	Legic Prime, Legic Advant, MIFARE DESFire
Encryption:	MIFARE Classic, AES, HITAG 2 crypto
Reading distance:	Up to 40 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