

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 35 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.

The intelligent interface converters

The compact and intelligent serial interface converters were specifically developed for use with deister electronic RFID-readers. The interface converters use an encrypted deBus protocol on the input side of the reader to secure data integrity. Customized and industrial protocols as well as standard access control protocol formats can be supported on the output side to the access control system. Utilizing the RS485 interface with the deBus protocol and a four-core cable makes cable lengths possible of up to 1000 m between the reader and interface converter. That opens up a wide variety of application options, in particular when there are long distances between doors and barriers.

The SIC 3 converts RS485 deBUS to various customized RS232 protocols.

The SIC 5 converts RS485 deBUS via the Open Collector interface to Wiegand, data/clock and Magstripe protocols.

Your benefits at a glance:

- **Facilitates data integrity between reader and SIC**
- **Supports customized protocols**
- **Compatible with existing access control systems**
- **Allows large distances between reader and SIC**
- **Quick and easy installation**



SIC 3

SIC 5

Technical data

Dimensions WxHxD:	59 x 41.5 x 14 mm
Protection class:	IP 20
Operating temperature:	+5...+50°C
Relative humidity:	5...95%, non-condensing
Power requirement:	12...24 VDC / 40 mA
Interface:	
SIC 3	deBus - RS232
SIC 5	deBus - Open Collector - RS485
Protocols:	
SIC 3	Various bidirectional protocols
SIC 5	Wiegand, Magstripe, Data/Clock, various bidirectional protocols
Electrical connection:	Connectors with screw terminals
SIC 3	2 x 4-pin
SIC 5	1 x 10-pin, 1 x 4-pin