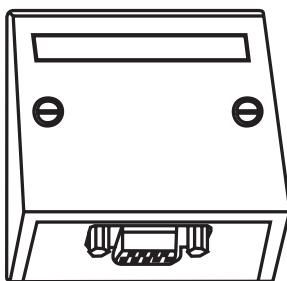


System Design serial data interface, flush-mounted



Colour	Article No.
white	681344
polar white	681319
vanilla	681382
ice blue	681388
light grey	681329
midnight blue	681378
dark brazil	681315
black grey	681369
aluminium	681360
stainless steel	681346

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1. Function

The INSTABUS data interface is used for connecting a programming or diagnostics device with an RS232 interface (e.g. a PC) to the INSTABUS.

2. Installation

The flush-mounted data interface is an application module in System Design and is screwed onto a flush-mounted bus coupler.

i The flush-mounted data interface must be completed with a bus coupler (Art. No. 690099).

The data interface consists of two electrically isolated circuit sections. The supply to the devices is carried out both from the bus coupler (bus) and the connected programming device e.g. a PC.

The connection to the programming device is implemented via the 9-pin D-SUB socket on the data interface. The connection to the programming device is achieved with a connecting cable of max. 15 m long. The interface of the connected device must be an RS232-compatible interface (also V.24 or DIN 66020) with a 9-pin or 25-pin D-SUB plug.

Only PCs with an RS232 interface with safety extra-low voltage (SELV) may be connected to the data interface.

No software needs to be loaded into the bus coupler for operation of the interface. The operating software of the bus coupler is automatically configured as an asynchronous serial interface.

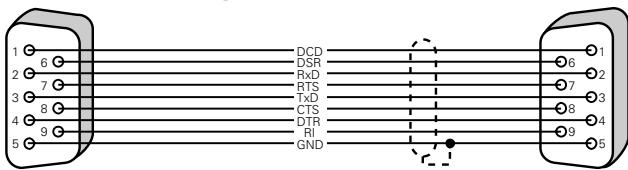
Labelling

Labelling strips (Art. No. 395019) are available as accessories. They can be professionally provided with text and symbols using the Merten labelling software, Art. No. 615022.

3. Technical Data

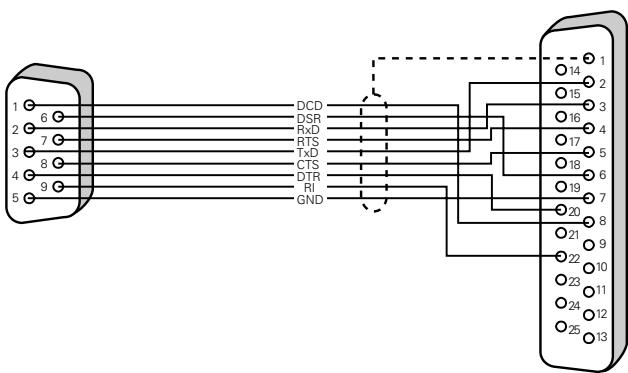
Nominal voltage:	±5 V to ±15 V SELV
Power consumption:	approx. 10 mA
Leakage loss:	approx. 65 mW
Insulation voltage:	2.5 kV
Transmission rate:	max. 9600 baud
Data cable length (RS232):	max. 15 m
Ambient temperature	
Operation:	-5 °C to +45 °C
Storage:	-25 °C to +55 °C
Transport:	-25 °C to +70 °C
Max. humidity:	93 %
Connections	
Bus coupler:	10-pole plug connector
Programming interface:	9-pin D-SUB socket for connection of a PC or RS232 device
EC guidelines:	corresponds to low voltage guideline 73/23/EEC; corresponds to EMC guideline 89/336/EEC

Connection example



Schnittstelle:
SubD-9 Stiftleiste

RS 232:
SubD-9 Buchsenleiste



Schnittstelle:
SubD-9 Stiftleiste

RS 232:
SubD-25 Buchsenleiste

4. Settings in the EIB Tool Software (ETS)

Selection in the product database

Manufacturer: Merten
Product family: 1.3 Interfaces/gateways

Product type: 1.3.09 System Design data interface
Media type: Twisted Pair, Powerline
Product name: Serial data interface, flush-mounted
Order number: 6813xx