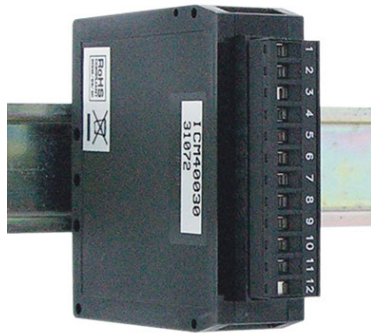


Interface converter ICM4



- Cost-effective converter from RS232 to RS485/RS422
- Power supply from 9 to 32 VDC
- 3 LEDs for RXD, TXD and power supply
- Simple mounting on C-rail or DIN rail

<https://www.wachendorff-prozesstechnik.de/en/ICM4>

Description

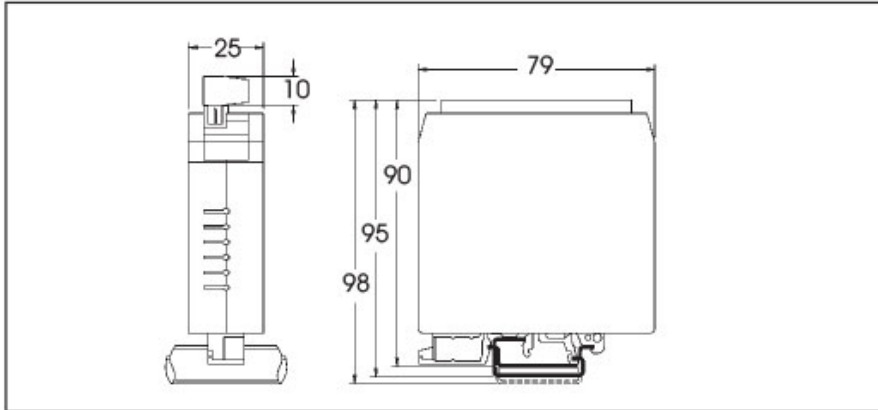
The ICM4 interface converter can be used to connect devices with an RS232 interface to devices with an RS485 or RS422 interface. Both data formats must correspond to each other. 3 LEDs on the front indicate whether the power supply is present (green LED lights up) and whether data is being sent (TXD LED flashes) or received (RXD LED flashes) via the RS232 interface. A voltage supply of 9 to 32 VDC is required. The ICM4 is simply snapped onto a C-rail or DIN rail.

Product details

RS232	RXD: max. +/- 30 VDC. logic 1: < 0,8 VDC, logisch 0: > 2.4 VDC. TXD: logic 1: -8 VDC (typ.), logic 0: +8 VDC (typ.)
RS485	Differential voltage at the output: max. +/-5 VDC (without load). Differential voltage at the input: max. +/-5 VDC. Logic 1: < -0,2 VDC, logisch 0: > +0.2 VDC. Up to 32 RS485 receivers can be operated in parallel.
Maximum cable length	RS232: 15 m. RS485: 1200 m.
Baud rate	min. 9600 baud, max. 19200 baud.
Power supply	9 - 32 VDC, max. 75 mA.
Ambient conditions	Operating temperature: 0°C...+50°C. Above 26 VDC supply: 40°C. Storage temperature: -40...+75°C. 85% relative humidity.
Electromagnetic compatibility CE compliant	- Interference emission: EN 50 081-2 - Immunity: EN 50 082-2. - UL Recognized: E179259
Connection	via removable screw terminals.
Housing	Sturdy plastic housing.
Dimensions	W 25 mm x H 98 mm x D 79 mm.
Weight	approx. 90 g.
Scope of delivery:	Device, operating instructions.
Customs tariff number:	8504 40 95
Manufacturer:	Red Lion Controls, USA.

Drawings

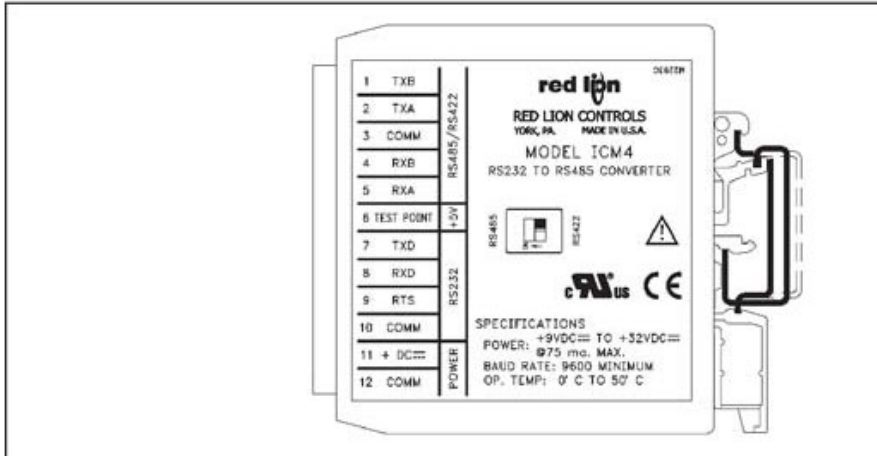
Dimensions (mm)



Abmessungen (in mm)

Drawings

Connections:

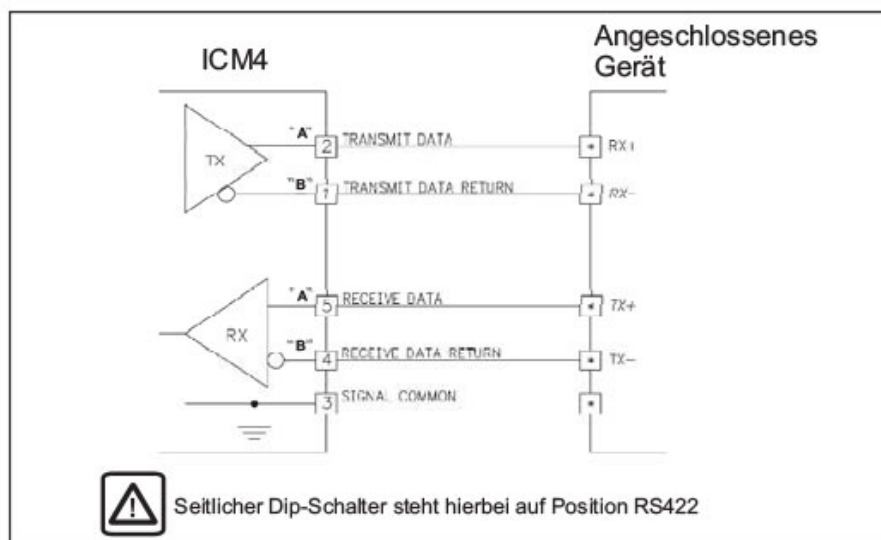


Anschlüsse (Schraubklemmen):

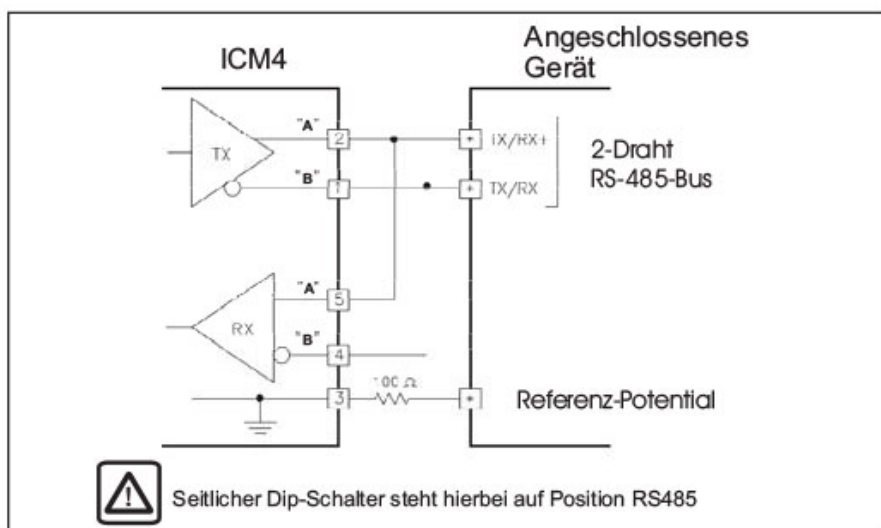
1	TXB	RS485/RS422	Sendedaten plus TX+
2	TXA	RS485/RS422	Sendedaten minus TX-
3	COMM	RS485/RS422	Signalmasse
4	RXB	RS485/RS422	Empfangsdaten plus RX+
5	RXA	RS485/RS422	Empfangsdaten minus RX-
6	TEST POINT		Testklemme +5 V
7	TXD	RS232	Sendedaten
8	RXD	RS232	Empfangsdaten
9	RTS	RS232	Sendebereit
10	COMM	RS232	Signalmasse
11	+DC		Versorgung 9 bis 32 VDC
12	COMM		Masse

Drawings

Typical connections RS232/RS485:



Typischer RS422-Anschluss



Typischer RS485-Anschluss



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