



RS204 Interface module

The interface module RS204 is used to connect 4 asynchronous serial interfaces to the M200 controller.

Features

- 4 interfaces on one module
- Any number of interfaces possible per controller
- RS232/RS422/RS485 can be combined
- High speed interfaces with up to 1.5 MBaud
- Auto-flow control for automatic handshake
- Integrated terminating resistors (connect/disconnect)
- Interfaces galvanically isolated

| Part type designation | Part number |
|-----------------------|-------------|
| RS204 | 00021235-00 |
| RS204 CC | 00021674-00 |

RS204

| Description | RS232 | RS422 | RS485 |
|------------------------------------|-------------|--------------------------------|-------------|
| Transfer rate ¹⁾ (max.) | 115.2 KBaud | 1.5 MBaud | 1.5 MBaud |
| Signal level | RS232 | RS422 | RS485 |
| Terminating resistor | - | Yes, adjustable via DIP switch | |
| Operating mode | Full duplex | | Half duplex |

¹⁾ The following transfer rates [bit/s] can be set via software: 300; 1200; 2400; 4800; 9600; 19.2 k; 28.8 k; 38.4 k; 57.6 k; 76.8 k; 115.2 k; 153.6 k; 230.4 k; 460.8 k; 921.6 k oder 250 k; 300 k; 375 k; 500 k; 750 k; 1.5 Mbit/s

| External power supply | |
|---|--------------------|
| Voltage range | 18 V DC to 34 V DC |
| Current consumption | 120 mA at 24 V DC |
| Galvanic isolation from system and between interfaces | 500 V |

| Approvals/Certificates | |
|------------------------|--------------------------------|
| General | CE, UKCA, cULus |
| Marine | ABS, BV, DNV, KR, LR, NK, RINA |

| Environmental conditions | Standard | ColdClimate (❄️) |
|-----------------------------------|-------------------------------|-------------------------------|
| Operating temperature | -30 °C to +60 °C | |
| Relative humidity, operation | 5 % to 95 % noncondensing | 5 % to 95 % with condensation |
| Storage temperature | -40 °C to +85 °C | |
| Relative humidity, storage | 5 % to 95 % with condensation | |
| Pollution degree acc. IEC 60664-1 | 2 (noncondensing) | 2 |

Order data

| Part type designation | Part number | Description |
|-----------------------|-------------|---|
| RS204 | 00021235-00 | Serial interface module; 4x RS232/422/485; to 1.5 MBaud; 128 byte FIFO; single isolated |
| RS204 CC | 00021674-00 | Like RS204; ColdClimate (❄️) |

Accessories

| Part type designation | Part number | Description |
|-----------------------|-------------|--|
| KZ 51/02 B | 00012058-00 | Terminal 02 pin spacing 5.08; cage clamps with labeling strips |