

**Data sheet**

CP 240, PtP RS232 (240-1BA20)

## Technical data

|  |                    |
|--|--------------------|
| <b>Order no.</b>                               | <b>240-1BA20</b>   |
| Type   | CP 240, PtP RS232  |
| <b>General information</b>                     |                    |
| Note   | -                  |
| Features                                       | RS232 interface    |
| <b>Current consumption/power loss</b>          |                    |
| Current consumption from backplane bus         | 150 mA             |
| Power loss                                     | 0.75 W             |
| <b>Status information, alarms, diagnostics</b> |                    |
| Status display                                 | yes                |
| Interrupts                                     | no                 |
| Process alarm                                  | no                 |
| Diagnostic interrupt                           | no                 |
| Diagnostic functions                           | no                 |
| Diagnostics information read-out               | possible           |
| Supply voltage display                         | yes                |
| Group error display                            | red LED            |
| Channel error display                          | none               |
| <b>Functionality Sub-D interfaces</b>          |                    |
| Type   | -                  |
| Type of interface                              | RS232              |
| Connector                                      | Sub-D, 9-pin, male |
| Electrically isolated                          | yes                |
| MPI  | -                  |
| MP <sup>2</sup> (MPI/RS232)                    | -                  |
| Point-to-point interface                       | yes                |
| 5V DC Power supply                             | -                  |
| 24V DC Power supply                            | -                  |
| <b>Point-to-point communication</b>            |                    |
| PtP communication                              | yes                |
| Interface isolated                             | yes                |
| RS232 interface                                | yes                |
| RS422 interface                                | -                  |
| RS485 interface                                | -                  |
| Connector                                      | Sub-D, 9-pin, male |
| Transmission speed, min.                       | 150 bit/s          |
| Transmission speed, max.                       | 115.2 kbit/s       |
| Cable length, max.                             | 15 m               |
| <b>Point-to-point protocol</b>                 |                    |

|                        |     |
|------------------------|-----|
| ASCII protocol         | yes |
| STX/ETX protocol       | yes |
| 3964(R) protocol       | yes |
| RK512 protocol         | yes |
| USS master protocol    | -   |
| Modbus master protocol | yes |
| Modbus slave protocol  | yes |
| Special protocols      | -   |

#### Datasizes

|                  |    |
|------------------|----|
| Input bytes      | 16 |
| Output bytes     | 16 |
| Parameter bytes  | 16 |
| Diagnostic bytes | 0  |

#### Housing

|          |                    |
|----------|--------------------|
| Material | PPE                |
| Mounting | Profile rail 35 mm |

#### Mechanical data

|                              |                         |
|------------------------------|-------------------------|
| Dimensions (WxHxD)           | 25.4 mm x 76 mm x 78 mm |
| Net weight                   | 80 g                    |
| Weight including accessories | -                       |
| Gross weight                 | -                       |

#### Environmental conditions

|                       |                 |
|-----------------------|-----------------|
| Operating temperature | 0 °C to 60 °C   |
| Storage temperature   | -25 °C to 70 °C |

#### Certifications

|                  |     |
|------------------|-----|
| UL certification | yes |
| KC certification | -   |