

## Technical data sheet

### Connection unit

Part no.: 50037230

MS 34 103

#### Contents

- Technical data
- Electrical connection
- Operation and display



For illustration purposes only

## Technical data

### Basic data

|              |        |
|--------------|--------|
| Suitable for | BCL 34 |
|              | BPS 34 |

### Interface

|      |                          |
|------|--------------------------|
| Type | PROFIBUS DP, PROFIBUS DP |
|------|--------------------------|

### Connection

|                       |            |
|-----------------------|------------|
| Number of connections | 3 Piece(s) |
|-----------------------|------------|

#### Connection 1

|                    |              |
|--------------------|--------------|
| Function           | PROFIBUS OUT |
| Type of connection | Connector    |
| Thread size        | M12          |
| Type               | Female       |
| Material           | Metal        |
| No. of pins        | 5 -pin       |
| Encoding           | B-coded      |

#### Connection 2

|                    |             |
|--------------------|-------------|
| Function           | PROFIBUS IN |
| Type of connection | Connector   |
| Thread size        | M12         |
| Type               | Male        |
| Material           | Metal       |
| No. of pins        | 5 -pin      |
| Encoding           | B-coded     |

#### Connection 3

|                    |                |
|--------------------|----------------|
| Function           | Voltage supply |
| Type of connection | Connector      |
| Thread size        | M12            |
| Type               | Male           |
| Material           | Metal          |
| No. of pins        | 5 -pin         |
| Encoding           | A-coded        |

### Mechanical data

|                       |                       |
|-----------------------|-----------------------|
| Design                | Cubic                 |
| Dimension (W x H x L) | 90 mm x 36 mm x 39 mm |
| Housing material      | Metal                 |
| Metal housing         | Diecast zinc          |
| Net weight            | 160 g                 |
| Housing color         | Black                 |

### Operation and display

|                 |            |
|-----------------|------------|
| Type of display | LED        |
| Number of LEDs  | 1 Piece(s) |

### Certifications

|                      |         |
|----------------------|---------|
| Degree of protection | IP 65   |
| Protection class     | III     |
| Approvals            | c UL US |

### Classification

|                       |          |
|-----------------------|----------|
| Customs tariff number | 84733080 |
| ECLASS 5.1.4          | 27280190 |
| ECLASS 8.0            | 27280190 |
| ECLASS 9.0            | 27279090 |
| ECLASS 10.0           | 27280192 |
| ECLASS 11.0           | 27280191 |
| ECLASS 12.0           | 27280191 |
| ECLASS 13.0           | 27280191 |
| ECLASS 14.0           | 27280191 |
| ECLASS 15.0           | 27280191 |
| ETIM 5.0              | EC002498 |
| ETIM 6.0              | EC003015 |
| ETIM 7.0              | EC003015 |
| ETIM 8.0              | EC003015 |
| ETIM 9.0              | EC003015 |

## Electrical connection

### Connection 1

### BUS OUT

|                    |              |
|--------------------|--------------|
| Function           | PROFIBUS OUT |
| Type of connection | Connector    |
| Thread size        | M12          |
| Type               | Female       |
| Material           | Metal        |
| No. of pins        | 5 -pin       |
| Encoding           | B-coded      |

### Pin Pin assignment

|   |       |
|---|-------|
| 1 | VP    |
| 2 | N     |
| 3 | GND P |
| 4 | P     |
| 5 | FE    |

Electrical connection

| Connection 2       | HOST / BUS IN |
|--------------------|---------------|
| Function           | PROFIBUS IN   |
| Type of connection | Connector     |
| Thread size        | M12           |
| Type               | Male          |
| Material           | Metal         |
| No. of pins        | 5 -pin        |
| Encoding           | B-coded       |

| Pin | Pin assignment |
|-----|----------------|
| 1   | VP             |
| 2   | n              |
| 3   | GND P          |
| 4   | P              |
| 5   | FE             |

| Connection 3       | PWR            |
|--------------------|----------------|
| Function           | Voltage supply |
| Type of connection | Connector      |
| Thread size        | M12            |
| Type               | Male           |
| Material           | Metal          |
| No. of pins        | 5 -pin         |
| Encoding           | A-coded        |

| Pin | Pin assignment |
|-----|----------------|
| 1   | VIN            |
| 2   | SW OUT 1       |
| 3   | GNDIN          |
| 4   | SWIN 1         |
| 5   | FE             |

Operation and display

| LED | Display                  | Meaning                         |
|-----|--------------------------|---------------------------------|
| 1   | Green                    | BUS OK                          |
|     | Green, flashing          | Device ok, initialization phase |
|     | Green                    | Data transmission active        |
|     | Red, flashing            | Bus error                       |
|     | Red                      | Bus error                       |
|     | Orange, continuous light | Service operation active        |