

## Technical data sheet

### Connection unit

Part no.: 50134929

ME 338 103

#### Contents

- Technical data
- Electrical connection
- Operation and display



Figure can vary

## Technical data

### Basic data

|                        |          |
|------------------------|----------|
| Suitable for           | BCL 338i |
|                        | BPS 338i |
| Suitable for interface | EtherCAT |

### Connection

|                       |                      |
|-----------------------|----------------------|
| Number of connections | 4 Piece(s)           |
| <b>Connection 1</b>   |                      |
| Function              | PWR / SW IN / OUT    |
| Type of connection    | Cable with connector |
| Cable length          | 900 mm               |
| Thread size           | M12                  |
| Type                  | Male                 |
| Material              | Metal                |
| No. of pins           | 5 -pin               |
| Encoding              | A-coded              |
| <b>Connection 2</b>   |                      |
| Function              | Service interface    |
| Type of connection    | USB                  |
| <b>Connection 3</b>   |                      |
| Function              | HOST / BUS IN        |
| Type of connection    | Cable with connector |
| Cable length          | 500 mm               |
| Thread size           | M12                  |
| Type                  | Female               |
| Material              | Metal                |
| No. of pins           | 4 -pin               |
| Encoding              | D-coded              |
| <b>Connection 4</b>   |                      |
| Function              | BUS OUT              |
| Type of connection    | Cable with connector |
| Cable length          | 700 mm               |
| Thread size           | M12                  |
| Type                  | Female               |
| Material              | Metal                |
| No. of pins           | 4 -pin               |
| Encoding              | D-coded              |

### Mechanical data

|                       |                           |
|-----------------------|---------------------------|
| Design                | Cubic                     |
| Dimension (W x H x L) | 64 mm x 33.5 mm x 43.5 mm |
| Housing material      | Metal                     |
| Net weight            | 70 g                      |
| Housing color         | Red, RAL 3000             |

### Operation and display

|                 |            |
|-----------------|------------|
| Type of display | LED        |
| Number of LEDs  | 2 Piece(s) |

### Classification

|                       |          |
|-----------------------|----------|
| Customs tariff number | 84733080 |
| eCl@ss 5.1.4          | 27280190 |
| eCl@ss 8.0            | 27280190 |
| eCl@ss 9.0            | 27279090 |
| eCl@ss 10.0           | 27280192 |
| eCl@ss 11.0           | 27280191 |
| ETIM 5.0              | EC002498 |
| ETIM 6.0              | EC003015 |
| ETIM 7.0              | EC003015 |

## Electrical connection

### Connection 1

|                    |                      |
|--------------------|----------------------|
| Function           | PWR / SW IN / OUT    |
| Type of connection | Cable with connector |
| Cable length       | 900 mm               |
| Cable color        | Black                |
| Wire cross section | 0.34 mm <sup>2</sup> |
| Thread size        | M12                  |
| Type               | Male                 |
| Material           | Metal                |
| No. of pins        | 5 -pin               |
| Encoding           | A-coded              |

# Electrical connection

## Pin Pin assignment

|   |        |
|---|--------|
| 1 | VIN    |
| 2 | SWIO 1 |
| 3 | GNDIN  |
| 4 | SWIO 2 |
| 5 | FE     |

## Connection 2

|                    |                   |
|--------------------|-------------------|
| Function           | Service interface |
| Type of connection | USB               |
| Connector type     | USB 2.0 Mini-B    |

## Connection 3

|                    |                      |
|--------------------|----------------------|
| Function           | HOST / BUS IN        |
| Type of connection | Cable with connector |
| Cable length       | 500 mm               |
| Sheathing material | PUR                  |
| Cable color        | Green                |
| Wire cross section | 0.34 mm <sup>2</sup> |
| Thread size        | M12                  |
| Type               | Female               |
| Material           | Metal                |
| No. of pins        | 4 -pin               |
| Encoding           | D-coded              |

## Pin Pin assignment

|   |     |
|---|-----|
| 1 | TD+ |
| 2 | RD+ |
| 3 | TD- |
| 4 | RD- |

## Connection 4

|                    |                      |
|--------------------|----------------------|
| Function           | BUS OUT              |
| Type of connection | Cable with connector |
| Wire cross section | 0.34 mm <sup>2</sup> |
| Cable color        | Green                |
| Cable length       | 700 mm               |
| Sheathing material | PUR                  |
| Thread size        | M12                  |
| Type               | Female               |
| Material           | Metal                |
| No. of pins        | 4 -pin               |
| Encoding           | D-coded              |

## Pin Pin assignment

|   |     |
|---|-----|
| 1 | TD+ |
| 2 | RD+ |
| 3 | TD- |
| 4 | RD- |

## Operation and display

| LED | Display                 | Meaning                  |
|-----|-------------------------|--------------------------|
| 1   | Green, continuous light | Ethernet                 |
|     | Yellow, flashing        | Data transmission active |
| 2   | Green, continuous light | Ethernet                 |
|     | Yellow, flashing        | Data transmission active |