

## Technical data sheet

### Connection unit

Part no.: 50134928

ME 338 214

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For illustration purposes only



## Technical data

### Basic data

|              |          |
|--------------|----------|
| Suitable for | BCL 338i |
|--------------|----------|

### Interface

|      |          |
|------|----------|
| Type | EtherCAT |
|------|----------|

### Connection

|                       |            |
|-----------------------|------------|
| Number of connections | 5 Piece(s) |
|-----------------------|------------|

#### Connection 1

|                    |                      |
|--------------------|----------------------|
| Function           | PWR / SW IN / OUT    |
| Type of connection | Cable with connector |
| Thread size        | M12                  |
| Type               | Male                 |
| Material           | Metal                |
| No. of pins        | 5 -pin               |
| Encoding           | A-coded              |

#### 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 RJ45 socket |

#### Connection 4

|                    |                        |
|--------------------|------------------------|
| Function           | BUS OUT                |
| Type of connection | Cable with RJ45 socket |

#### Connection 5

|                    |                      |
|--------------------|----------------------|
| Function           | Signal OUT           |
| Type of connection | Cable with connector |
| Thread size        | M8                   |
| Type               | Female               |
| Material           | Metal                |
| No. of pins        | 4 -pin               |
| Encoding           | A-coded              |
| Cable length       | 300                  |

### Mechanical data

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

### Operation and display

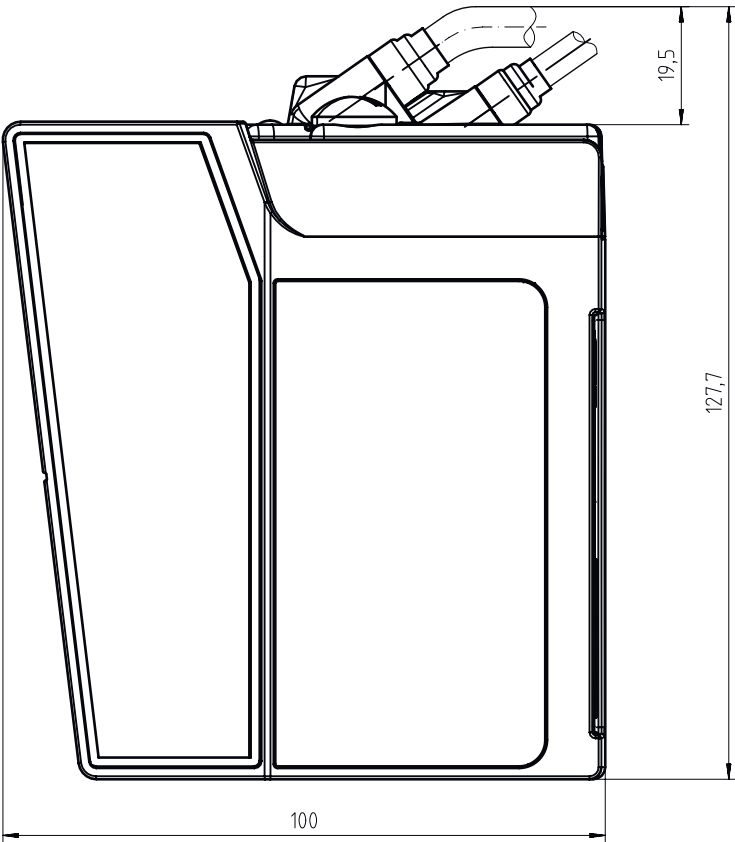
|                 |            |
|-----------------|------------|
| Type of display | LED        |
| Number of LEDs  | 2 Piece(s) |

### Classification

|                       |          |
|-----------------------|----------|
| Customs tariff number | 84733080 |
| 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 |
| ECLASS 16.0           | 27280191 |
| ETIM 5.0              | EC002498 |
| ETIM 6.0              | EC003015 |
| ETIM 7.0              | EC003015 |
| ETIM 8.0              | EC003015 |
| ETIM 9.0              | EC003015 |
| ETIM 10.0             | EC003015 |

Dimensioned drawings

All dimensions in millimeters



Electrical connection

Connection 1

|                    |                      |
|--------------------|----------------------|
| Function           | PWR / SW IN / OUT    |
| Type of connection | Cable with connector |
| Cable length       | 600 mm               |
| Cable color        | Black                |
| Wire cross section | 0.34 mm²             |
| Thread size        | M12                  |
| Type               | Male                 |
| Material           | Metal                |
| No. of pins        | 5 -pin               |
| Encoding           | A-coded              |

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

## Electrical connection

### 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 RJ45 socket |
| Cable length       | 400 mm                 |

| Pin | Pin assignment |
|-----|----------------|
| 1   | TD+            |
| 2   | RD+            |
| 3   | TD-            |
| 4   | n.c.           |
| 5   | RD-            |
| 6   | n.c.           |
| 7   | n.c.           |
| 8   | n.c.           |

### Connection 4

|                    |                        |
|--------------------|------------------------|
| Function           | BUS OUT                |
| Type of connection | Cable with RJ45 socket |
| Cable length       | 500 mm                 |

| Pin | Pin assignment |
|-----|----------------|
| 1   | TD+            |
| 2   | RD+            |
| 3   | TD-            |
| 4   | n.c.           |
| 5   | n.c.           |
| 6   | RD-            |
| 7   | n.c.           |
| 8   | n.c.           |

### Connection 5

|                    |                      |
|--------------------|----------------------|
| Function           | Signal OUT           |
| Type of connection | Cable with connector |
| Thread size        | M8                   |
| Type               | Female               |
| Material           | Metal                |
| No. of pins        | 4 -pin               |
| Encoding           | A-coded              |
| Wire cross section | 0.34                 |
| Cable color        | Black                |
| Cable length       | 300                  |
| Sheathing material | PUR                  |

| Pin | Pin assignment |
|-----|----------------|
| 1   | V+             |
| 2   | n.c.           |
| 3   | GND            |
| 4   | SW OUT         |

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 |