



**Part no.: 50131258**  
**ME 348 214**  
**Connection unit**

Figure can vary

## Contents

- Technical data
- Electrical connection
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## Technical data

### Basic data

|                        |          |
|------------------------|----------|
| Suitable for           | BCL 348i |
| Suitable for interface | PROFINET |

### Connection

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

#### Connection 1

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

#### Connection 2

|                    |                   |
|--------------------|-------------------|
| Type of connection | USB               |
| Function           | Service interface |

#### Connection 3

|                    |                        |
|--------------------|------------------------|
| Type of connection | Cable with RJ45 socket |
| Function           | HOST / BUS IN          |
| Cable length       | 400 mm                 |
| No. of pins        | 8 -pin                 |

#### Connection 4

|                    |                        |
|--------------------|------------------------|
| Type of connection | Cable with RJ45 socket |
| Function           | BUS OUT                |
| Cable length       | 500 mm                 |
| No. of pins        | 8 -pin                 |

#### Connection 5

|                    |                      |
|--------------------|----------------------|
| Type of connection | Cable with connector |
| Function           | Signal OUT           |
| Thread size        | M8                   |
| Type               | Female               |
| Material           | Metal                |
| No. of pins        | 4 -pin               |
| Encoding           | A-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 8.0            | 27279290 |
| eCl@ss 9.0            | 27279090 |
| ETIM 5.0              | EC002498 |
| ETIM 6.0              | EC002498 |

**Electrical connection**

| Connection 1       |                      |
|--------------------|----------------------|
| Type of connection | Cable with connector |
| Function           | PWR / SW IN/OUT      |
| Cable length       | 600 mm               |
| Sheathing material |                      |
| 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              |

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

| Connection 2       |                   |
|--------------------|-------------------|
| Type of connection | USB               |
| Function           | Service interface |
| Connector type     | USB 2.0 Mini-B    |

| Connection 3       |                        |
|--------------------|------------------------|
| Type of connection | Cable with RJ45 socket |
| Function           | HOST / BUS IN          |
| Cable length       | 400 mm                 |

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

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| Pin | Pin assignment |
|-----|----------------|
| 6   | n.c.           |
| 7   | n.c.           |
| 8   | n.c.           |

| Connection 4       |                        |
|--------------------|------------------------|
| Type of connection | Cable with RJ45 socket |
| Function           | BUS OUT                |
| 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       |                      |
|--------------------|----------------------|
| Type of connection | Cable with connector |
| Function           | Signal OUT           |
| 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

### LEDs

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

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