

## Technical data sheet

### Connection unit

Part no.: 50116469

MS 301

#### Contents

- Technical data
- Electrical connection



For illustration purposes only

## Technical data

### Basic data

|              |          |
|--------------|----------|
| Suitable for | BCL 301i |
|              | BPS 301i |

### Interface

|      |               |
|------|---------------|
| Type | MultiNet Plus |
|------|---------------|

### Connection

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

#### Connection 1

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

#### Connection 4

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

### 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         | Black                     |

### 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 |
| ETIM 10.0             | EC003015 |

## Electrical connection

### Connection 1

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

| Pin | Pin assignment |
|-----|----------------|
| 1   | n.c.           |
| 2   | RS 485 B       |
| 3   | GND 485        |
| 4   | RS 485 A       |
| 5   | FE             |

### Connection 4

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

| Pin | Pin assignment |
|-----|----------------|
| 1   | V CC485        |
| 2   | RS 485 B       |
| 3   | GND 485        |
| 4   | RS 485 A       |
| 5   | FE             |