



**Part no.: 53800118**  
**CU416-5000**  
**Connection unit**



Figure can vary

## Contents

- Technical data
- Electrical connection

Part no.: 53800118 – CU416-5000 – Connection unit

## Technical data

### Basic data

Suitable for RSL 420 safety laser scanner

### Connection

Number of connections 2 Piece(s)

#### Connection 1

|                      |                   |
|----------------------|-------------------|
| Type of connection   | Cable             |
| Function             | Machine interface |
| Cable length         | 5,000 mm          |
| Sheathing material   | PUR               |
| Cable color          | Black             |
| Number of conductors | 16 -wire          |

#### Connection 2

|                    |                |
|--------------------|----------------|
| Type of connection | Connector      |
| Function           | Data interface |
| Thread size        | M12            |
| Type               | Female         |
| Material           | Metal          |
| No. of pins        | 5 -pin         |
| Encoding           | D-coded        |

### Mechanical data

|                       |                               |
|-----------------------|-------------------------------|
| Dimension (W x H x L) | 140.2 mm x 72.8 mm x 140.3 mm |
| Housing material      | Metal , Diecast zinc          |
| Net weight            | 1,830 g                       |
| Housing color         | Black                         |
| Type of fastening     | Bayonet system                |

### Classification

|                       |          |
|-----------------------|----------|
| Customs tariff number | 85444290 |
| 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             |
| Function             | Machine interface |
| Cable length         | 5,000 mm          |
| Sheathing material   | PUR               |
| Cable color          | Black             |
| Number of conductors | 16 -wire          |

| Conductor color | Conductor assignment |
|-----------------|----------------------|
| White           | RES1                 |
| Brown           | +24V                 |
| Green           | EA1                  |
| Yellow          | A1                   |
| Gray            | OSSDA1               |
| Pink            | OSSDA2               |
| Blue            | GND / Ground         |
| Red             | MELD                 |
| Black           | F1                   |
| Violet          | F2                   |
| Gray<br>Pink    | F3                   |
| Blue<br>Red     | F4                   |
| Green<br>White  | F5                   |
| Brown<br>Green  | SE1                  |
| White<br>Yellow | SE2                  |
| Brown<br>Yellow | A2                   |

| Connection 2       |                |
|--------------------|----------------|
| Type of connection | Connector      |
| Function           | Data interface |
| Thread size        | M12            |
| Type               | Female         |
| Material           | Metal          |
| No. of pins        | 5 -pin         |
| Encoding           | D-coded        |
| Connector housing  | FE/SHIELD      |

| Pin | Pin assignment | Conductor color |
|-----|----------------|-----------------|
| 1   | TD+            | Yellow          |
| 2   | RD+            | White           |
| 3   | TD-            | Orange          |
| 4   | RD-            | Blue            |

