

## Technical data sheet

### Connection unit

Part no.: 53800181

CU429-300-WPU

#### Contents

- Technical data
- Dimensioned drawings
- Electrical connection



For illustration purposes only



Technical data

Basic data

|              |                              |
|--------------|------------------------------|
| Suitable for | RSL 430 safety laser scanner |
|              | RSL 440 safety laser scanner |

Connection

|                       |            |
|-----------------------|------------|
| Number of connections | 2 Piece(s) |
|-----------------------|------------|

Connection 1

|                            |                      |
|----------------------------|----------------------|
| Function                   | Machine interface    |
| Type of connection         | Cable with connector |
| Cable length               | 300 mm               |
| Sheathing material         | PVC                  |
| Cable color                | Black                |
| Wire cross section supply  | 1 mm²                |
| Wire cross section signals | 0.14 mm²             |
| Thread size                | M30                  |
| Type                       | Male                 |
| Material                   | Plastic              |
| No. of pins                | 30 -pin              |

Connection 2

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

Cable properties

|                        |      |
|------------------------|------|
| Cable resistance, max. | 15 Ω |
|------------------------|------|

Mechanical data

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

Certifications

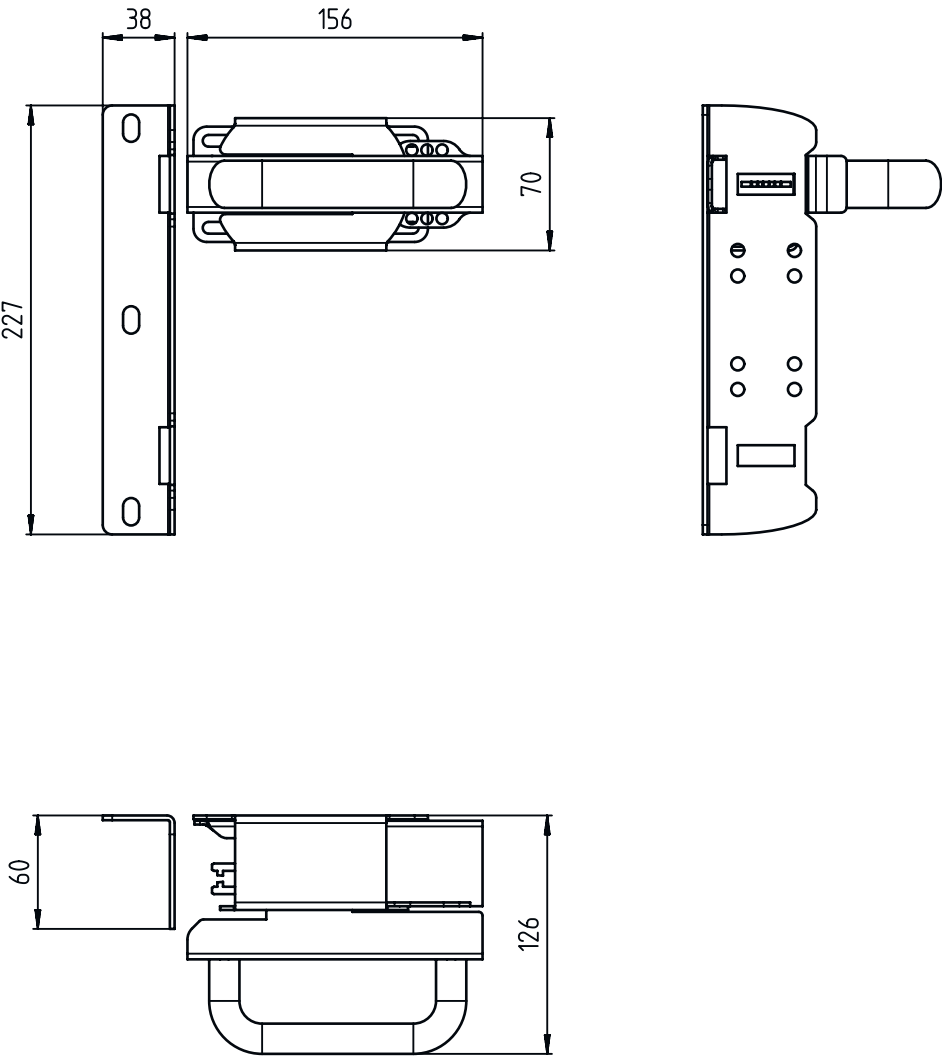
|                |              |
|----------------|--------------|
| Certifications | c TÜV Süd US |
|                | TÜV Süd      |

Classification

|                       |          |
|-----------------------|----------|
| Customs tariff number | 85444290 |
| ECLASS 5.1.4          | 27279290 |
| ECLASS 8.0            | 27279290 |
| ECLASS 9.0            | 27279090 |
| ECLASS 10.0           | 27272791 |
| ECLASS 11.0           | 27272791 |
| ECLASS 12.0           | 27272791 |
| ECLASS 13.0           | 27272791 |
| ECLASS 14.0           | 27272791 |
| ETIM 5.0              | EC002498 |
| ETIM 6.0              | EC003015 |
| ETIM 7.0              | EC003015 |
| ETIM 8.0              | EC003015 |
| ETIM 9.0              | EC003015 |

Dimensioned drawings

All dimensions in millimeters



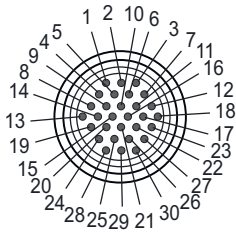
Electrical connection

Connection 1

|                            |                      |
|----------------------------|----------------------|
| Function                   | Machine interface    |
| Type of connection         | Cable with connector |
| Cable length               | 300 mm               |
| Sheathing material         | PVC                  |
| Cable color                | Black                |
| Wire cross section supply  | 1 mm²                |
| Wire cross section signals | 0.14 mm²             |
| Thread size                | M30                  |
| Type                       | Male                 |
| Material                   | Plastic              |
| No. of pins                | 30 -pin              |
| Connector housing          | FE/SHIELD            |

Electrical connection

| Pin | Pin assignment | Conductor color |
|-----|----------------|-----------------|
| 1   | RES1           | White           |
| 2   | +24 V          | Brown           |
| 3   | EA1            | Green           |
| 4   | OSSDA1         | Gray            |
| 5   | OSSDA2         | Pink            |
| 6   | MELD           | Red             |
| 7   | A1             | Yellow          |
| 8   | F1             | Black           |
| 9   | F2             | Violet          |
| 10  | F3             | Gray / Pink     |
| 11  | F4             | Blue / Red      |
| 12  | F5             | Green / White   |
| 13  | SE1            | Brown / Green   |
| 14  | SE2            | White / Yellow  |
| 15  | A2             | Brown / Yellow  |
| 16  | A3             | Gray / White    |
| 17  | A4             | Brown / Gray    |
| 18  | EA2            | Pink / White    |
| 19  | EA3            | Brown / Pink    |
| 20  | EA4            | Blue / White    |
| 21  | F6             | Blue / Brown    |
| 22  | F7             | Red / White     |
| 23  | F8             | Brown / Red     |
| 24  | F9             | Black / White   |
| 25  | F10            | Black / Brown   |
| 26  | OSSDB1         | Gray / Yellow   |
| 27  | OSSDB2         | Green / Pink    |
| 28  | n.c.           | -               |
| 29  | GND / Ground   | Blue            |
| 30  | RES2           | Gray / Green    |



Connection 2

|                    |                |
|--------------------|----------------|
| Function           | Data interface |
| Type of connection | Connector      |
| 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            |

