

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 mm ²
Wire cross section signals	0.14 mm ²
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

Approvals	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
ECLASS 15.0	27272791
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



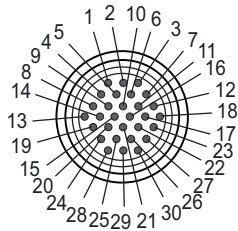
Electrical connection

Connection 1

Function	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

