

Technical data sheet

Connection unit

Part no.: 53800180

CU416-300-WPU

Contents

- Technical data
- Dimensioned drawings
- Electrical connection



For illustration purposes only



Technical data

Basic data

Suitable for	RSL 420 safety laser scanner
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Connection

Number of connections	2 Piece(s)
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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	16 -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
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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

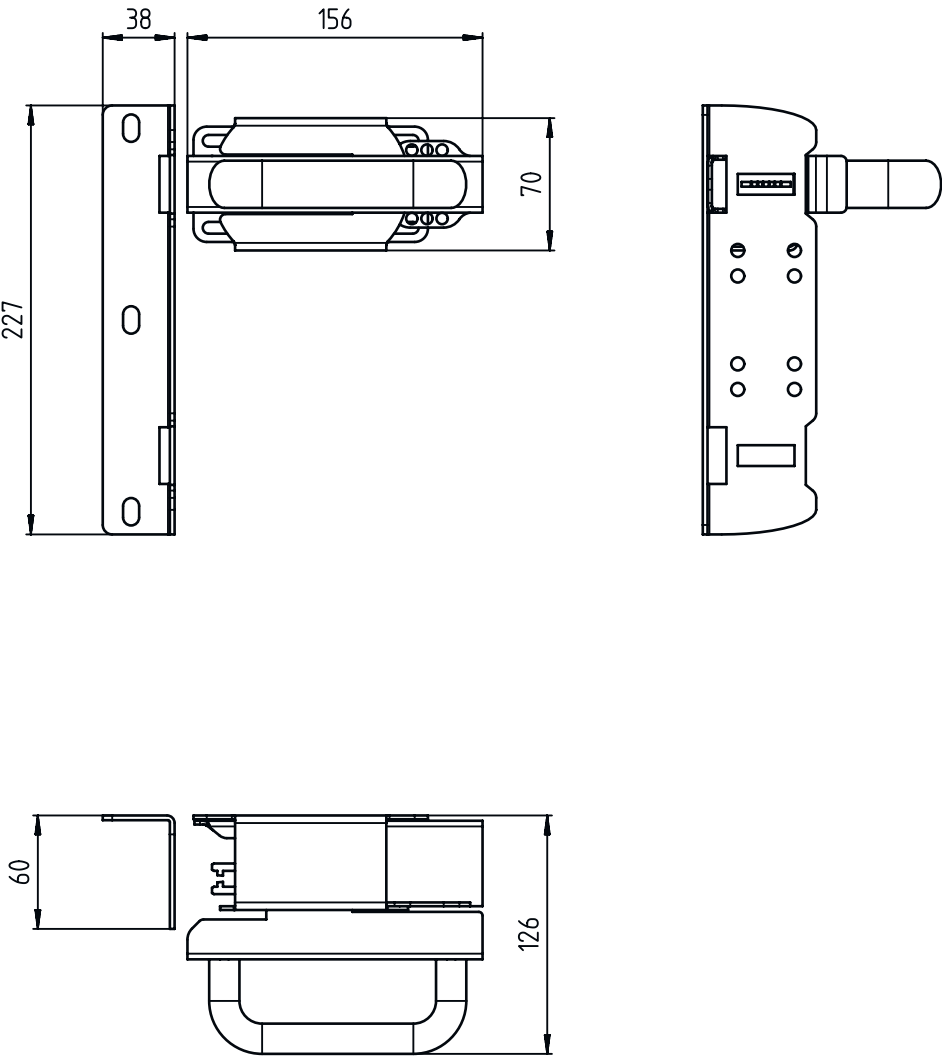
Approvals	c TÜV Süd US TÜV Süd
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Classification

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



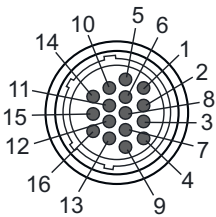
Electrical connection

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	16 -pin
Connector housing	FE/SHIELD

Electrical connection

Pin	Pin assignment	Conductor color
1	RES1	White
2	+24 V	Brown
3	EA1	Green
4	A1	Yellow
5	OSSDA1	Gray
6	OSSDA2	Pink
7	GND / Ground	Blue
8	MELD	Red
9	F1	Black
10	F2	Violet
11	F3	Gray / Pink
12	F4	Blue / Red
13	F5	Green / White
14	SE1	Brown / Green
15	SE2	White / Yellow
16	A2	Brown / Yellow



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

