

Technical data sheet

Connection unit

Part no.: 53800120

CU416-25000

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
Cable length	25,000 mm
Sheathing material	PUR
Cable color	Black
Number of conductors	16 -wire

Connection 2

Function	Data interface
Type of connection	Connector
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
Metal housing	Diecast zinc
Net weight	3,770 g
Housing color	Black
Type of fastening	Bayonet system

Certifications

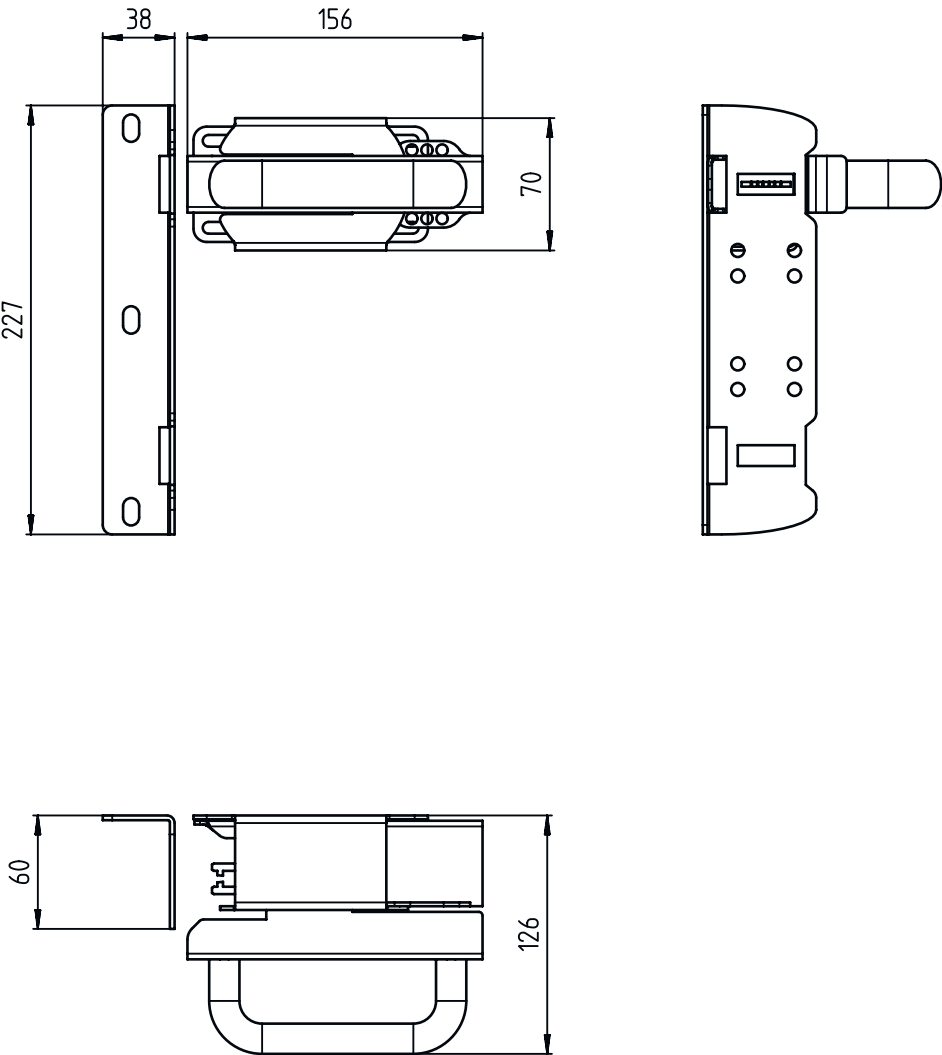
Approvals	c TÜV Süd US
	TÜV Süd

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
Cable length	25,000 mm
Sheathing material	PUR
Cable color	Black
Number of conductors	16 -wire

Conductor color

Conductor assignment

White	RES1
Brown	+24 V
Green	EA1
Yellow	A1
Gray	OSSDA1

Electrical connection

Conductor color	Conductor assignment
Pink	OSSDA2
Blue	GND / Ground
Red	MELD
Black	F1
Violet	F2
Gray / Pink	F3
Blue / Red	F4
Green / White	F5
Brown / Green	SE1
White / Yellow	SE2
Brown / Yellow	A2

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

