

Technical data sheet

Connection unit

Part no.: 53800182

CU416-50000

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
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Type of connection	Cable
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Cable length	50,000 mm
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Sheathing material	PUR
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Cable color	Black
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Number of conductors	16 -wire
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Connection 2

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

Dimension (W x H x L)	140.2 mm x 72.8 mm x 140.3 mm
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Housing material	Metal
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Metal housing	Diecast zinc
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Net weight	3,770 g
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Housing color	Black
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Type of fastening	Bayonet system
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Certifications

Approvals	c TÜV Süd US
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TÜV Süd

Classification

Customs tariff number	85444290
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ECLASS 5.1.4	27279290
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ECLASS 8.0	27279290
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ECLASS 9.0	27279090
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ECLASS 10.0	27272791
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ECLASS 11.0	27272791
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ECLASS 12.0	27272791
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ECLASS 13.0	27272791
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ECLASS 14.0	27272791
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ECLASS 15.0	27272791
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ECLASS 16.0	27272791
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ETIM 5.0	EC002498
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ETIM 6.0	EC003015
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ETIM 7.0	EC003015
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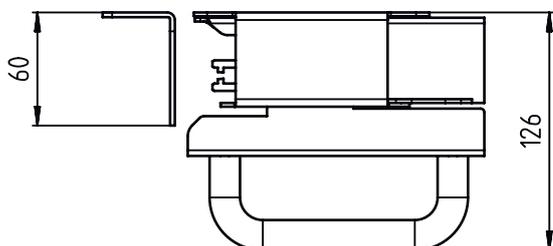
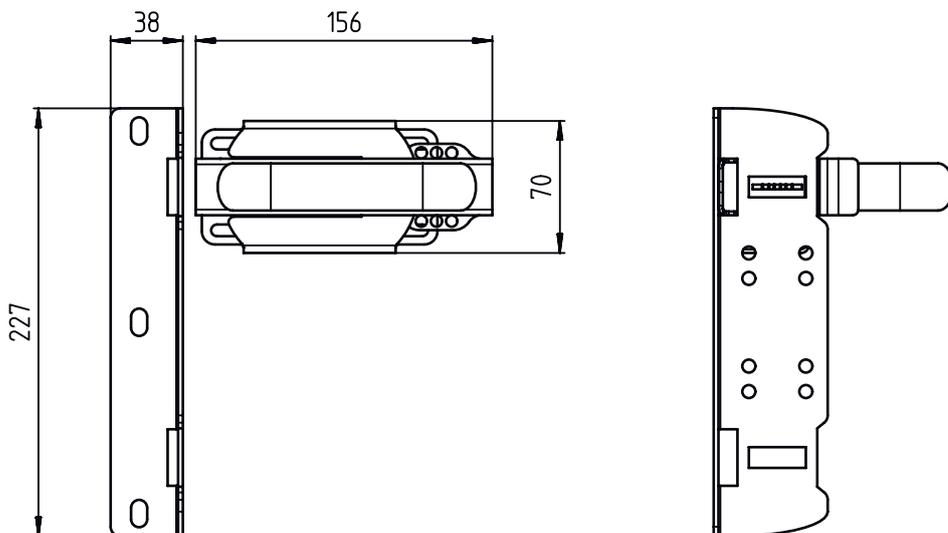
ETIM 8.0	EC003015
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ETIM 9.0	EC003015
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ETIM 10.0	EC003015
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Dimensioned drawings

All dimensions in millimeters



Electrical connection

Connection 1

Function	Machine interface
Type of connection	Cable
Cable length	50,000 mm
Sheathing material	PUR
Cable color	Black
Number of conductors	16 -wire

Conductor color

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

Conductor assignment

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
1	TD+
2	RD+
3	TD-
4	RD-

