Technical data sheet
Connection unit
Part no.: 53800122

CU429-10000

Contents

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For Illustration purposes only

Technical data

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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
Cable length	10,000 mm
Sheathing material	PUR
Cable color	Black
Number of conductors	29 -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	2,760 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
ECLASS 16.0	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

The Sensor People

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We reserve the right to make technical changes
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Dimensioned drawings

All dimensions in millimeters

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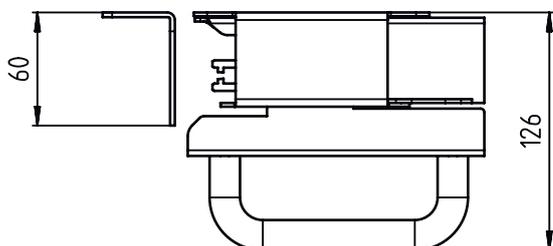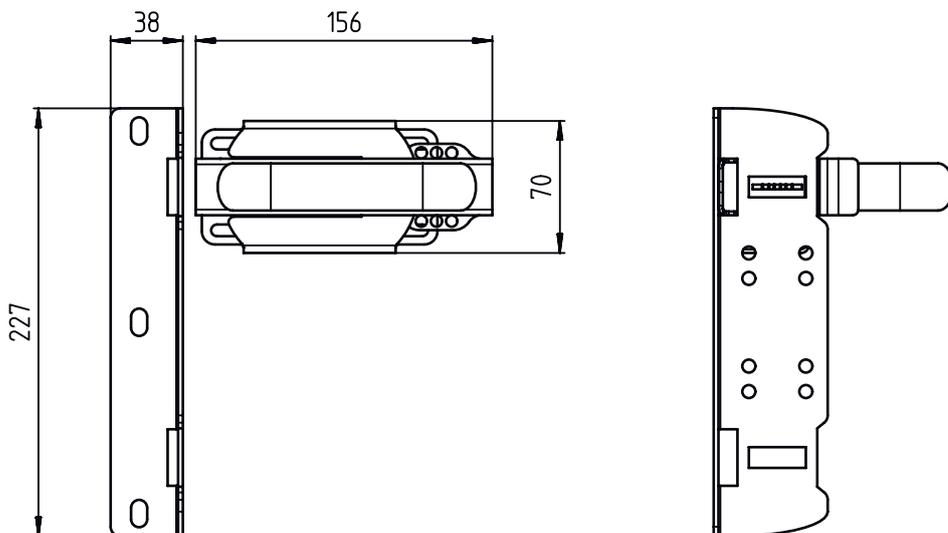
Electrical connection

Connection 1

Function	Machine interface
Type of connection	Cable
Cable length	10,000 mm
Sheathing material	PUR
Cable color	Black
Number of conductors	29 -wire

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

Electrical connection

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Conductor color · Conductor assignment

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
Gray / White	A3
Brown / Gray	A4
Pink / White	EA2
Brown / Pink	EA3
Blue / White	EA4
Blue / Brown	F6
Red / White	F7
Brown / Red	F8
Black / White	F9
Black / Brown	F10
Gray / Green	RES2
Gray / Yellow	OSSDB1
Green / Pink	OSSDB2

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