LE200/125 PROFIBUS + SSI +HEIZUNG

Order No.:2200-50112
22.5.2023 / 010203020002020299

Technical data

MEASURING RANGE	125M
INTERFACE	PROFIBUS DP+SSI
OUTPUT LEVEL	RS485
CODE	PROGRAMABLE
RESOLUTION	1,0
SUPPLY VOLTAGE	18-27V
OPERATING TEMPERATURE	-30+55°C
PROTECTION Class	IP65
LASER PROTECTION CLASS	2
CONNECTOR TYPE	4XM16X1,5
CONNECTOR-POSITION	RADIAL
PINOUT NO.	TR-ELE-TI-GB-0007
WATER COOLING	NO
REFLECTIVE-FOIL	YES
OPTIONS ENC	12MBAUD
OPTIONS ENC	FULL STROKE LINEARIZED
OPTIONS ENC	HEATER
OPTIONS ENC	PROGRAMMABLE
DRAWING NO.	04-K2200-002
DOCUMENTATION NO	DOKUMENTE
AL:	N
ECCN:	N

GL	Wellenausführung glatt / shaft type cylindrical
FL	Wellenausführung mit Fläche / shaft type with flat surface
N	Wellenausführung mit Nut / shaft type with slot
Hohlw	Hohlwelle / hollow shaft
Klemme	mit Klemmring / with clamping ring
Grundw	Grundwelle / fundamental shaft
SLG	Seillängengeber / cable retractor
ZB	Zentrierbund / centre ring
Tachofl	Tachoflansch / tachometer flange
DAG	DAG-Schutzgehäuse / DAG protective housing
TK	Teilkreis / pitch circle

Subject to change.

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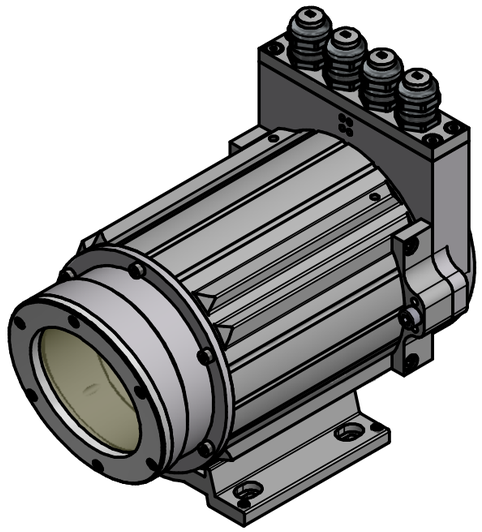
Alle nicht tolerierten Maße sind Richtwerte. [All non-tolerated dimensions are guide values.]
Technische Änderungen grundsätzlich vorbehalten. [We reserve the right to make technical changes.]



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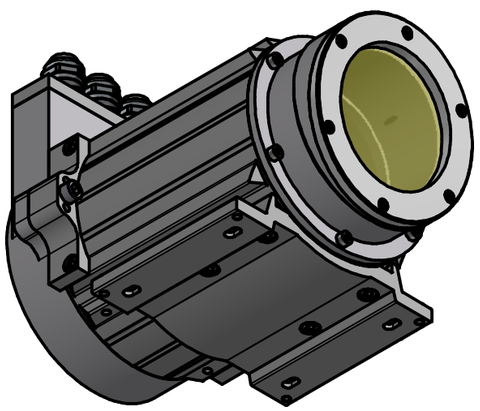

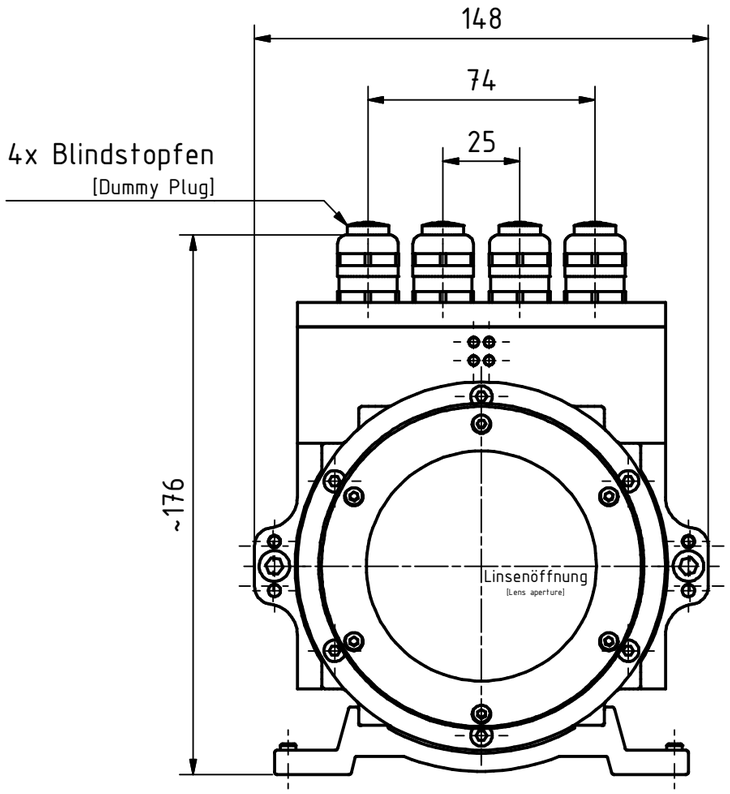

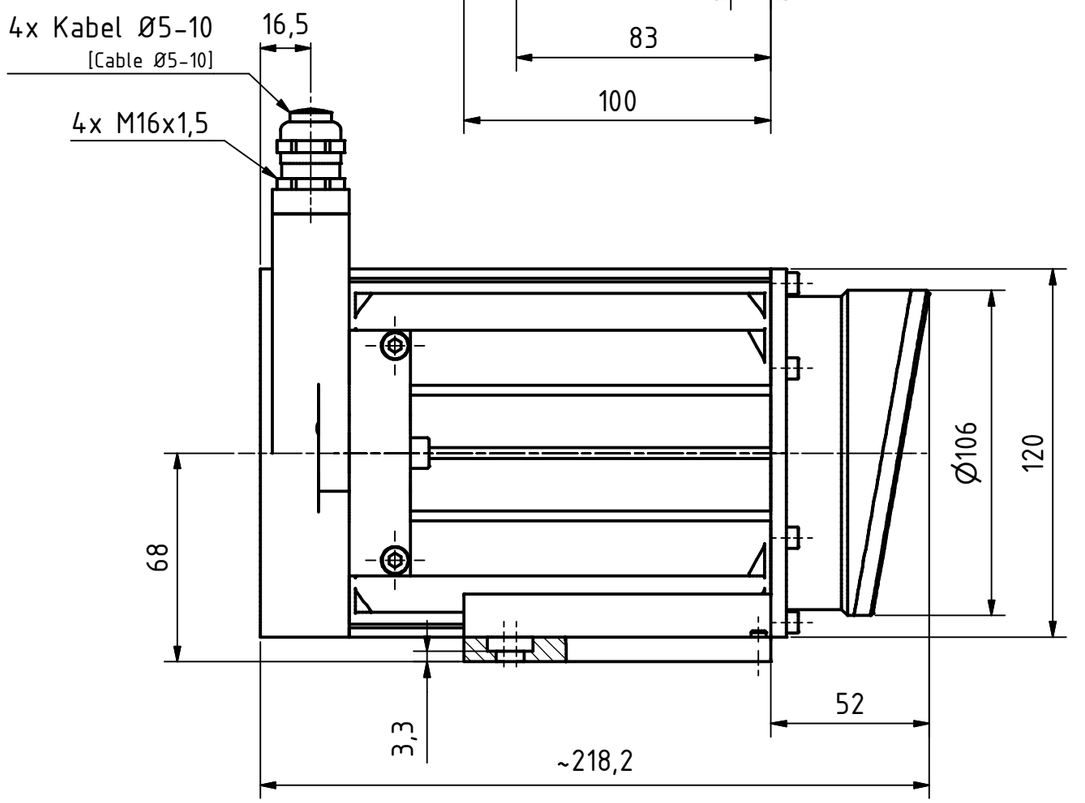

1	CAD+Norm	23.03.22	SLM
Zust.	Änderungen	Datum	Name

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Projektion [Projection]

alle Maße in mm [all dimensions in mm]

	Datum	Name
Erstellt	23.03.2022	SCHLENKER
Bearb.	22.03.2022	SCHLENKER
Gepr.	23.03.2022	FLAIG
Norm		

E-Mail: info@tr-electronic.de
Support: http://tr-e.info/01
CAD: STEP

Tolerierung [Tolerancing] ISO 8015
Maßstab [Scale] 1 : 2 DIN A3

Artikel-Nr. und Steckerbelegung: siehe Datenblatt
[Article-No. and pin assignment: see data sheet]

LE-200

Zeichnungs-Nr. [Drawing-No.]: 04-K2200-002
Blatt 1
1 Bl

Dok.Art. IDW Teil-Dok. 000 Dok.Vs. 00

Pin assignment Laser Measuring Device LE-200 Profibus-DP Class 2

General note:

If the device is the last station in the profibus line, the DIP switches *S3* and *S4* for the profibus terminator (switching-on of the terminal resistance) must be switched on, otherwise they must be switched off. ***With the add-on connection of the terminal resistance the outgoing bus (PB_A_OUT, PB_B_OUT) is interrupted!***
The profibus also operates, if the device is separated from the connection cap.
TR-Electronic recommends for the operation to use only bus cables certified by the PNO.
With the BCD address switches *S1 (10^0)* and *S2 (10^1)* the station address for the profibus is set from 3 to 99.

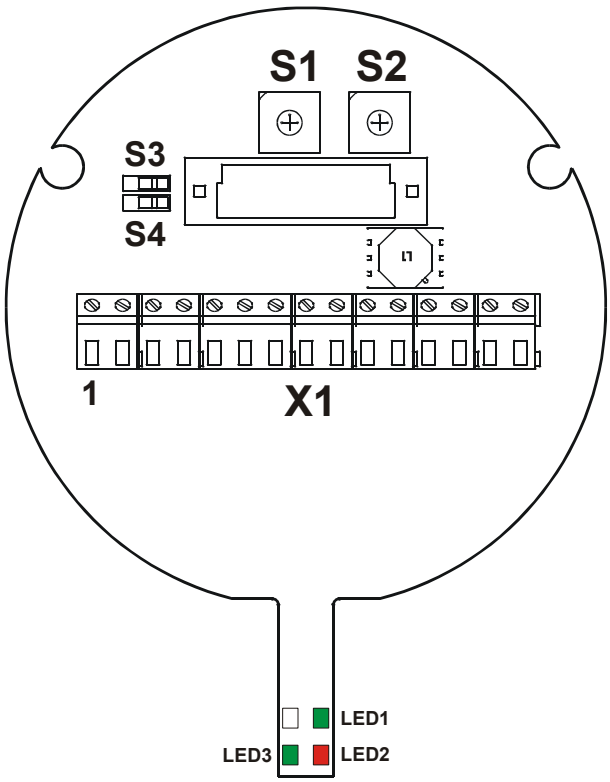
Print clamps:
Connection angle 45°, grid spacing 5 mm, screw M 2.6 x 5.3 mm, nominal cross-section 1.5 mm^2, connection up to 2.5 mm^2 (fixed or flexible), nominal voltage 250 V, rated current 15 A, according to VDE 0100.

Explanation of terms:

US:	* Standard supply voltage: 18-27 V DC, device with heating: 24 V DC (± 5 %)
US-input:	1-level > +8V, 0-level < +2V, up to ±35V, 5 kOhm
US-output:	1-level > US-2V, 0-level < 1 V, up to 100mA
Opto-input:	Opto coupler for line driver (RS422)
RS422-output:	see DIN 66 348, part 2

X1 - screw clamp, 15-pole

Pin 1	Profibus Data PB_A_IN
Pin 2	Profibus Data PB_B_IN
Pin 3	Profibus Data PB_A_OUT
Pin 4	Profibus Data PB_B_OUT
Pin 5	US-input, programmable
Pin 6	US-output, programmable
Pin 7	Signal GND (reference potential pin 6)
Pin 8	Programming interface RS485 +
Pin 9	Programming interface RS485 –
Pin 10	* US, supply voltage
Pin 11	0V, supply voltage
Pin 12	Opto-input for SSI-clock +
Pin 13	Opto-input for SSI-clock –
Pin 14	RS422-output for SSI-data +
Pin 15	RS422-output for SSI-data –



LEDs

LED1 (green): Profibus-DP active
LED2 (red): flashing = Profibus-DP not active, static = hardware failure
LED3 (green) : Hardware OK