Wire length encoder

CEW65M*4096/4096 PBS (ALT.: 110-01983)

Order No.:CEW65M-01983
20.5.2023 / 010103010120021365

Technical data

NO.OF STEPS/REV	4.096,000
NO. OF REVOLUTIONS	4.096,000
INTERFACE	PROFIBUS DP
CODE	PROGRAMABLE
SUPPLY VOLTAGE	11-27V
OUTPUT LEVEL	RS485
PROTECTION Class	IP64
OPERATING TEMPERATURE	0-60°C
FLANGE TYPE	ZB50
SHAFT TYPE	6RD/18,3
CONNECTOR TYPE	3XPG9
CONNECTOR-POSITION	PG RADIAL
PINOUT NO.	TR-ECE-TI-GB-0017
MATING PLUG	NO
OPTIONS ENC	12MBAUD
OPTIONS ENC	PNO-PROFILE CLASS.2
OPTIONS ENC	ROPE LENGTH TRANSMITTER
OPTIONS ENC	SL3020
DRAWING NO.	04-CEW65M-M0031
VERSIONNO	000
FIRMWARE NO	437826
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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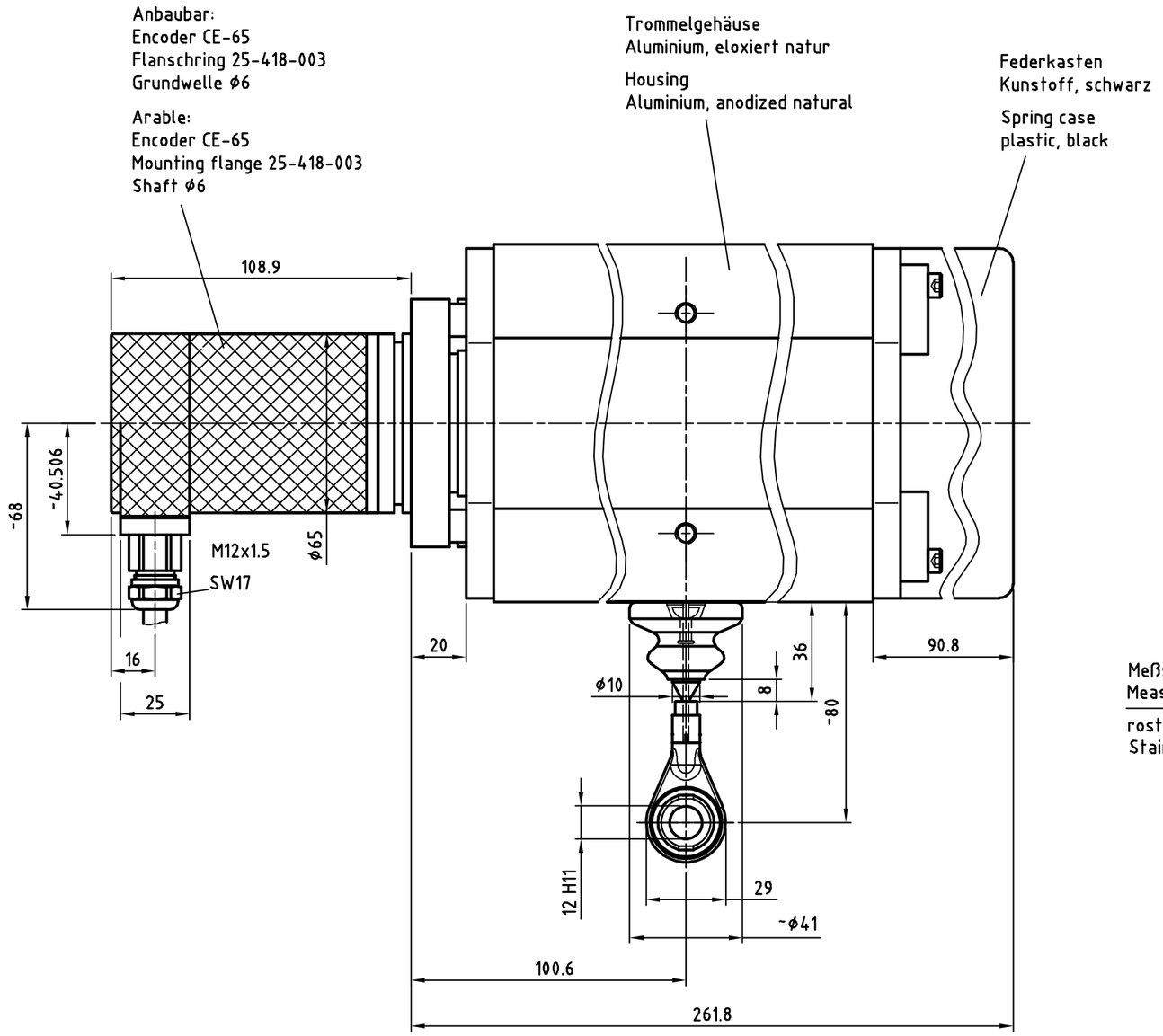

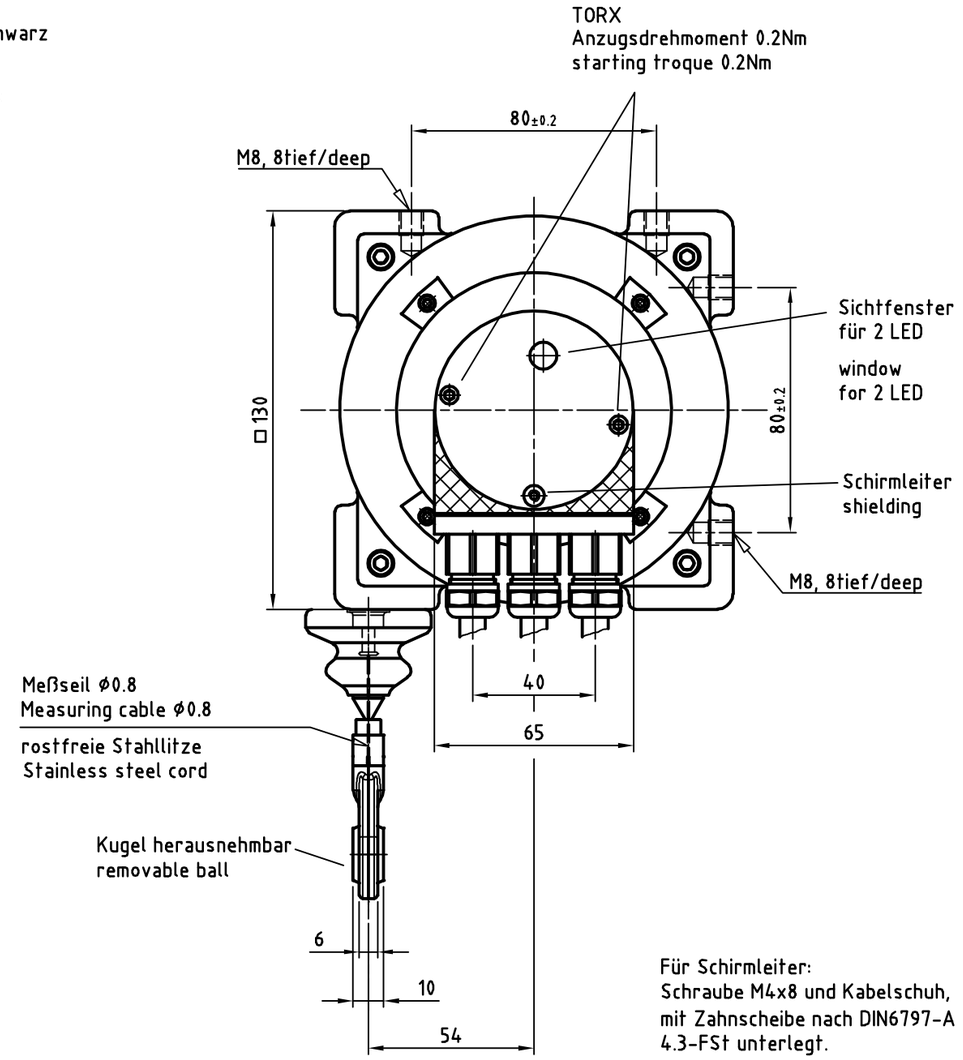

Für Schirmleiter:
Schraube M4x8 und Kabelschuh,
mit Zahnscheibe nach DIN6797-A
4.3-FSt unterlegt.

For shielding
use metric screw M4x8 with forked terminal.
For good contact to housing use a
studded disc DIN6797-A 4.3-Fst.

Übersetzung	ca. 3Umdr./m (individueller Wert siehe Typenschild)
Übers.-Genauigkeit	0,05%
Feder-Rückzugkraft	9N (Anfang) / 13N (Ende)
Max.Verstellgeschw.	8m/s
Biegeradius Meßseil	R=16mm

Gear ratio	ca. 3revol./m individual value see type plate
Accuracy gear ratio	0,05%
Spring pull-back power	9N (origin) / 13N (end)
Max. control speed	8m/s
Bending radius, measuring wire cable	R=16mm

12	H11 $^{+8.11}_{0}$ $^{12.11}_{12}$
Dimensions	Tolerances

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

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Zust.	Änderung	Datum	Name
1	Überarbeitung	03.07.13	Flaig

	Datum	Name
Erstellt	18.03.2006	HABETLER
Bearb.	03.07.2013	FLAIG
Gepr.		
Norm		

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Maßstab 1:2 DIN A3 Projekt-Nr.:

Zeichnungs-Nr. nur für diese Ausführung gültig
Drawing-No. only for this type valid

CEW-65-M. pull of rope encoder 0-20m rope

Zeichnungs-NR../Drawing-No.:
04-CEW65M-M0031

Blatt 1
Bl

Connector pin assignment for Profibus-DP Encoder with PNO-Profile Class 2 Design with two-pole screw terminals and Preset

General note:

If the encoder 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.
The profibus also works when the encoder is removed. Is the encoder the last station in the profibus line, the reference potential of the terminator resistances is missing!
In order to enable a separate wiring of incoming and outgoing signals the profibus terminals and the terminals for the supply voltage have two connection possibilities.
TR-Electronic recommends for the operation to use only bus cables certified by the Profibus User Organization (PNO).
With the BCD address switches *S1 (10^1)* and *S2 (10^0)* the station address for the profibus is set from 3 to 99.

Explanation of terms:

US:	Supply voltage, 11-27 V DC
US-input:	1-level > +8V, 0-level < +2V, up to ±35V, 5 kOhm

X1 - screw clamp 2-pin

Pin 1 Profibus DataA
Pin 2 Profibus DataB

X2 - screw clamp 2-pin

Pin 1 Profibus DataB
Pin 2 Profibus DataA

X3 - screw clamp 2-pin

Pin 1 US-input for Preset 1
Pin 2 US-input for Preset 2

X4 - screw clamp 2-pin

Pin 1 US, supply voltage
Pin 2 GND, supply voltage 0 V

X5 - screw clamp 2-pin

Pin 1 GND, supply voltage 0 V
Pin 2 US, supply voltage