

Wire length encoder

CEW582M*4096/4096 PB
(ALT:CEW58M-00037)

OrderNo.:CEW582M-10037

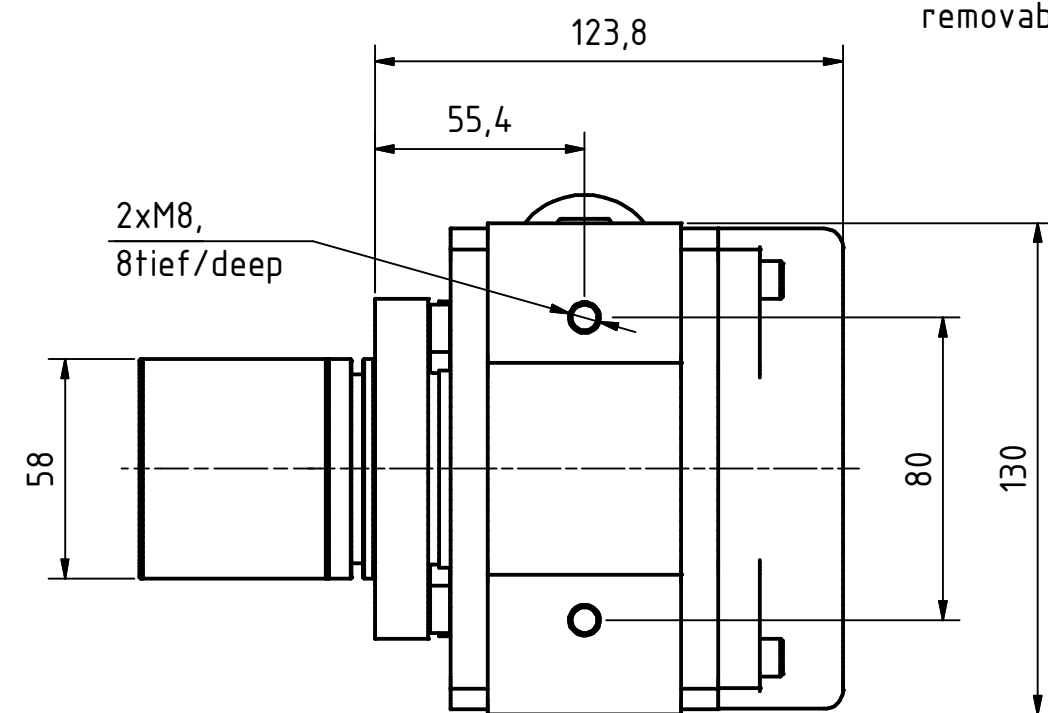
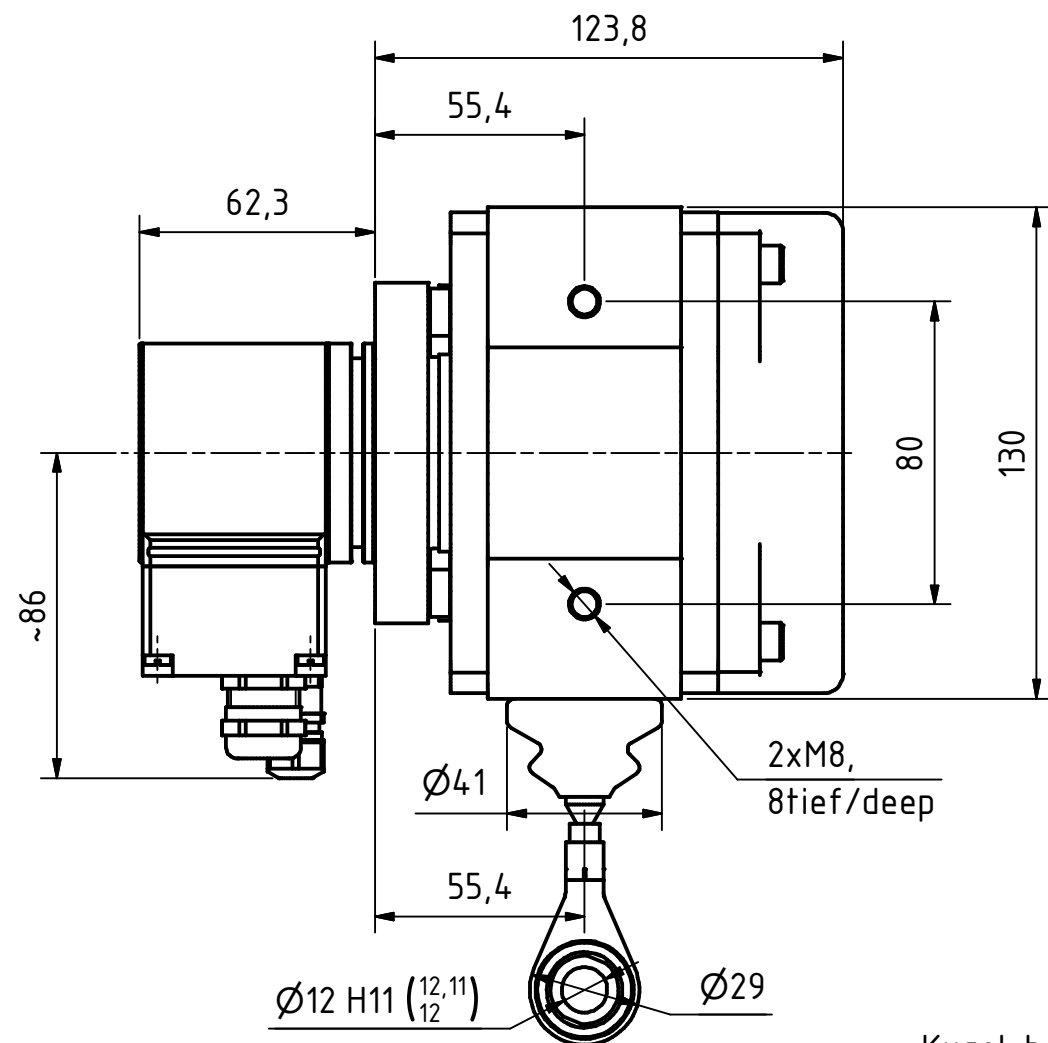
20.5.2023 / 010103010110021358

Technical data

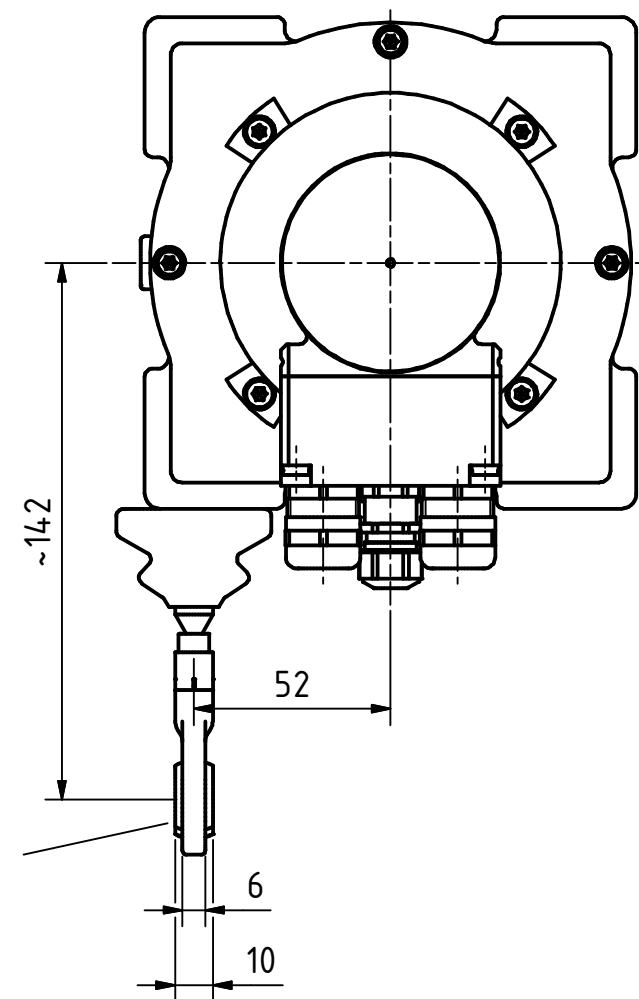
NO.OF STEPS/REV	4.096,000
NO. OF REVOLUTIONS	4.096,000
PARAMETERIZABLE	VIA INTERFACE
INTERFACE	PROFIBUS DP
CODE	BINARY
SUPPLY VOLTAGE	10-30V
PROTECTION Class	SIEHE SLG
OPERATING TEMPERATURE	-20°C... +70°C
FLANGE TYPE	ZB50
SHAFT EXECUTION	(RLT) Rope length transmitter
SHAFT TYPE	D06 L10 ROUND
CONNECTOR TYPE	1x M12 CABLE GLAND SW15
CONNECTOR TYPE	2x M16 CABLE GLAND SW20
CONNECTOR-POSITION	CABLE GLAND RADIAL
PINOUT NO.	TR-ECE-TI-GB-0065
OPTIONS ENC	RLT SL3005
OPTIONS ENC	SUBSTITUTE FOR C_58
SLG-ORDER NO	40720003
DRAWING NO.	04-CEW582M-M0134
AL:	N
ECCN:	N
MTTFd [y] (T=45°C, DC=0) >=	100
UL-APPROVALS	USA+CANADA
SLG-RATIO	5 Umdr./m
SLG-LINEARITY	+/-0,05%
SLG-TEMPERATURE RANGE	-30°C...+70°C
SLG-PROTECTION CLASS	IP64
SLG-SPRING FORCE	min.10N / max.21N

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.



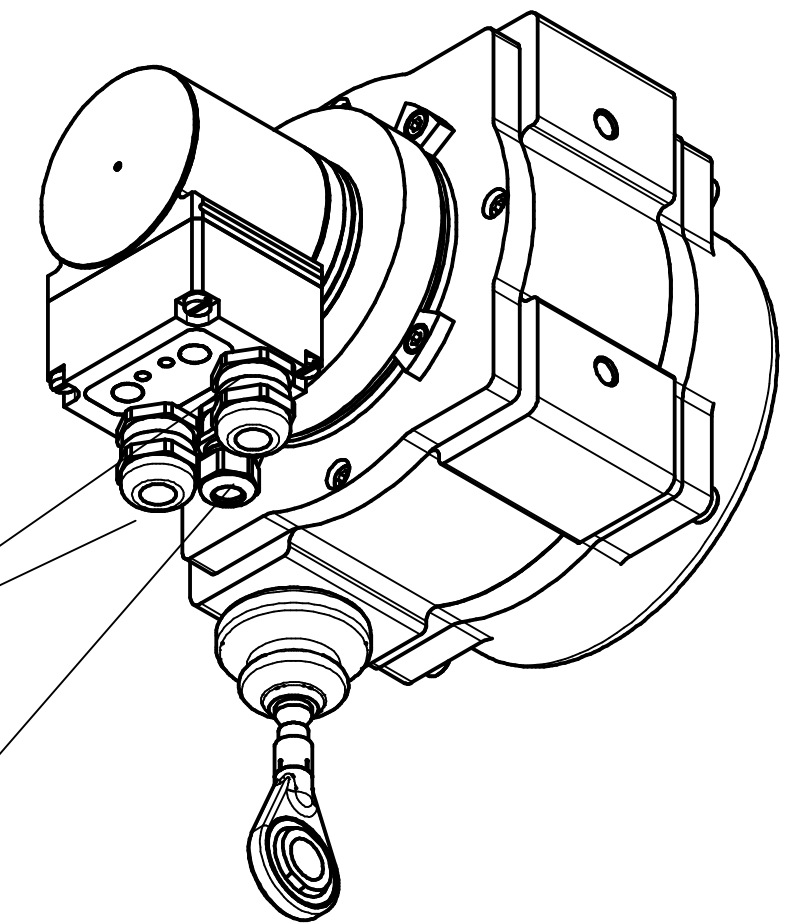
Kugel herausnehmbar
removable ball



2xM16x1,5, SW20, für Kabel/for cable Ø5-10

M12x1,5, SW15, für Kabel/for cable Ø6,5-8

Biegeradius Kabel 15xØ bezogen auf Standardkabel
Unitronic FD-CP
Bending cable radius 15xØ for cabletype
Unitronic FD-CP



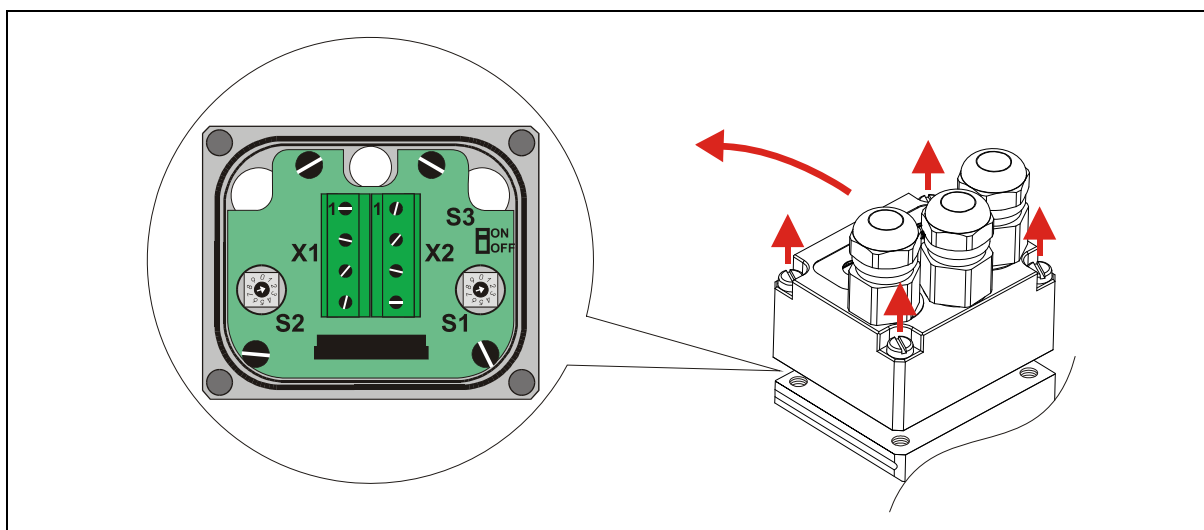
Artikel-Nr. und Steckerbelegung: siehe Datenblatt
Article-No. and pin connections: see data sheet

 TR Electronic GmbH Eglshalde 6 D-78647 Trossingen Tel. +49 7425 228-0 www.tr-electronic.de								Tolerierung ISO 8015		Maßstab 1 : 2		DIN A3		
								Zeichnungs-Nr. nur für diese Ausführung gültig Drawing-No. only for this type valid						
					Datum	Name		CEW-582-M, pull of rope encoder 0-5m rope						
				Erstellt	19.01.2021	FLAIG								
				Bearb.	19.01.2021	FLAIG								
				Gepr.	20.01.2021	NEMECZ								
				Norm										
				www.tr-electronic.de DXF+Info: info@tr-electronic.de				Zeichnungs-Nr.: / Drawing-No.:				Blatt		
								04-CEW582M-M0134				1		
												1 Bl		
Zust.	Änderungen		Datum	Name	EDV-Nr.:			Dok Art	IDW	Teil-Dok	000	Dok Vs.	00	

Seillänge	5m	cable length	5m
Übersetzung	ca. 30mdr./m	gear ratio	ca. 3turn/m
	(individueller Wert siehe Typenschild)		(individual value see type plate)
Übers.-Genauigkeit	0.05%	accuracy gear ratio	0.05%
Feder-Rückzugkraft	11N(Anfang) / 13N(Ende)	spring pull-back power	11N(origin) / 13N(end)
max. Verstellgeschwindigkeit	10m/s	max. control speed	10m/s

Pin assignment

58 / 80 Profibus-DP PNO Class 2



X1	Screw clamp 4 pin	
Pin 1	Profibus, Data A	Profibus_IN
Pin 2	Profibus, Data B	
Pin 3	US, 11-27 V DC	
Pin 4	GND, 0V	

X2	Screw clamp 4 pin	
Pin 1	Profibus, Data A	Profibus_OUT
Pin 2	Profibus, Data B	
Pin 3	US, 11-27 V DC	
Pin 4	GND, 0V	

Print clamp, MKDSN 1,5/ 4-5,08: (not connected clamps must be tightened securely!)

- Nominal current: 13.5 A
- nominal voltage: 250 V
- grid spacing: 5.08 mm
- number of poles: 4
- connection angle: 0°
- nominal cross-section (flexible) max. 1.5 mm²
- nominal cross-section AWG/kcmil max. 16



Pin assignment

● = ON ○ = OFF ⊙ = 1 Hz ⊗ = 10 Hz

BUS FAIL (red)	BUS RUN (green)	Cause
○	○	No supply voltage, hardware error
●	⊙	Parameter- or configuration error (Preset value 1/2 or limit switch out of range, wrong GSD file) Memory error, position error
○	⊙	Blink mode is supported only in case of older measuring system generations. Unrecoverable measuring system defect (memory error, position error)
⊙	⊗	No allocation to a master, no data exchange
○	⊙	Parameter- or configuration error in PNO compatible target configuration (number of revolutions is not a power of two)
○	⊗	operational, no error, bus in cycle

General note:

If the measuring system is the last station in the Profibus segment, the DIP switch S3 for the Profibus terminator (switching-on of the terminal resistance) must be switched on. Otherwise the terminator must be switched off. With the add-on connection of the terminal resistance the Profibus signals DataA_OUT and DataB_OUT will be switched off and following slaves are separated from the bus.

The Profibus also operates, if the device is separated from the connection cap, however with one exception: **If the measuring system is the last station in the Profibus segment, the termination isn't fully active because the reference potential of the terminator resistance 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 (10^0) and S2 (10^1) the station address for the Profibus is set from 3 to 99.



Betriebsanleitung beachten! - Observe User Manual!

