

Absolute rotary Encoder

CE65M*4096/4096 PB 36ZB/6GL/18,3

OrderNo.:CEV65M-02197

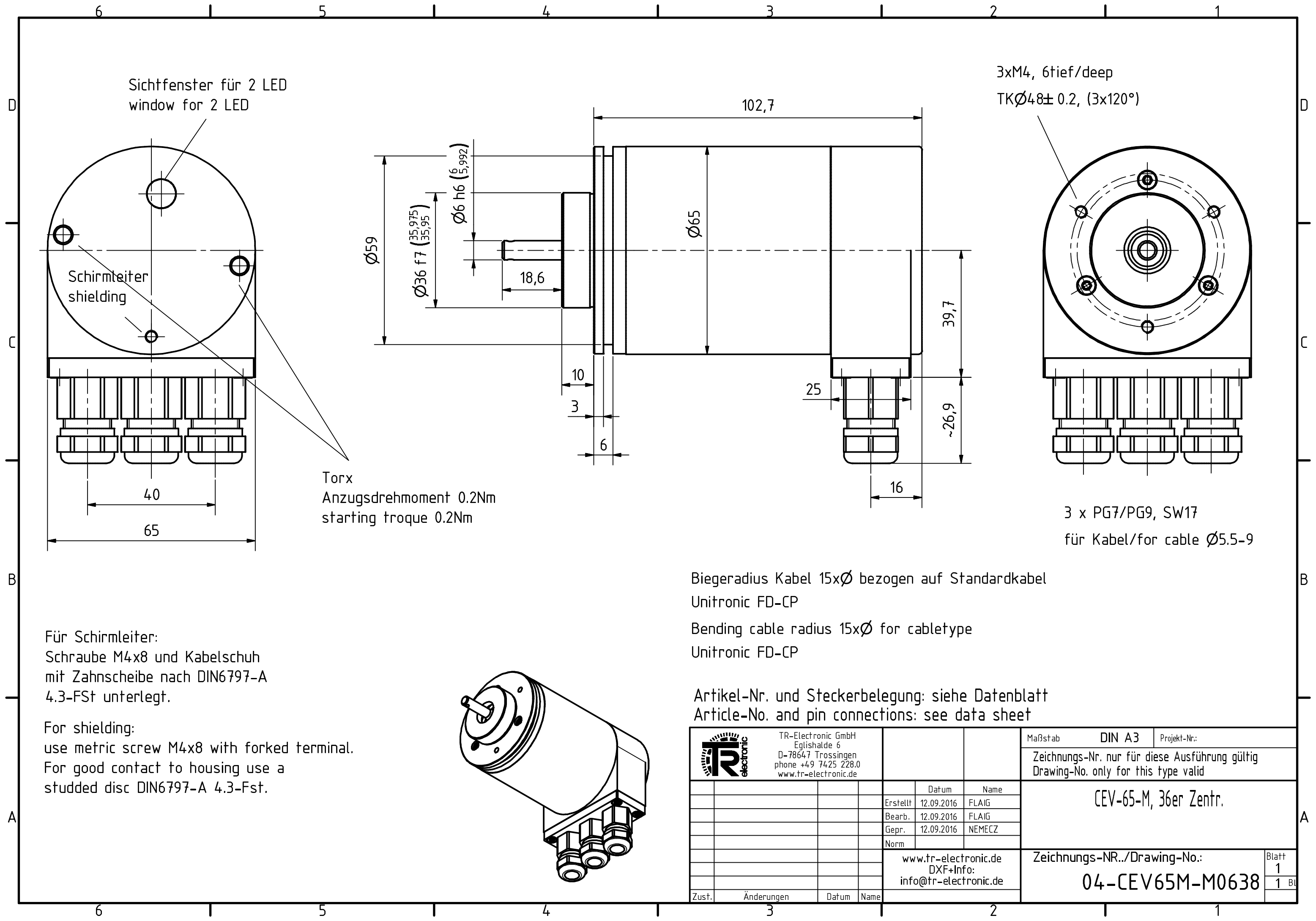
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Technical data

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	IP65
OPERATING TEMPERATURE	0-60°C
FLANGE TYPE	ZB36
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
DRAWING NO.	04-CEV65M-M0638
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.



Sichtfenster für 2 LED
window for 2 LED

Schirmleiter
shielding

Torx
Anzugsdrehmoment 0.2Nm
starting troque 0.2Nm

3xM4, 6tief/deep
TKØ48±0.2, (3x120°)

3 x PG7/PG9, SW17
für Kabel/for cable Ø5.5-9


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.

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

 <div>TR-electronic GmbH Eglisshalde 6 D-78647 Trossingen phone +49 7425 228.0 www.tr-electronic.de</div>				Maßstab DIN A3		Projekt-Nr.:
				Zeichnungs-Nr. nur für diese Ausführung gültig Drawing-No. only for this type valid		
				Datum	Name	
				Erstellt	12.09.2016	FLAIG
				Bearb.	12.09.2016	FLAIG
				Gepr.	12.09.2016	NEMECZ
				Norm		
				www.tr-electronic.de DXF+Info: info@tr-electronic.de		Zeichnungs-NR./Drawing-No.:
						04-CEV65M-M0638
Zust.	Änderungen	Datum	Name			Blatt 1 1 BU

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 $\pm 35V$, 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

