Absolute rotary Encoder

CEV65S*4096/1 PBS (ALT.:111-00202)

Order No.:CEV65S-00202
20.5.2023 / 010102006502020101

Technical data

NO.OF STEPS/REV	4.096,000
NO. OF REVOLUTIONS	1,000
INTERFACE	PROFIBUS DP
CODE	PROGRAMABLE
SUPPLY VOLTAGE	11-27V
OUTPUT LEVEL	RS485
PROTECTION Class	IP65
OPERATING TEMPERATURE	-20+70°C
FLANGE TYPE	ZB36
SHAFT TYPE	10FL/19,5
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-CEV65S-M0011
VERSIONNO	000
FIRMWARE NO	437825
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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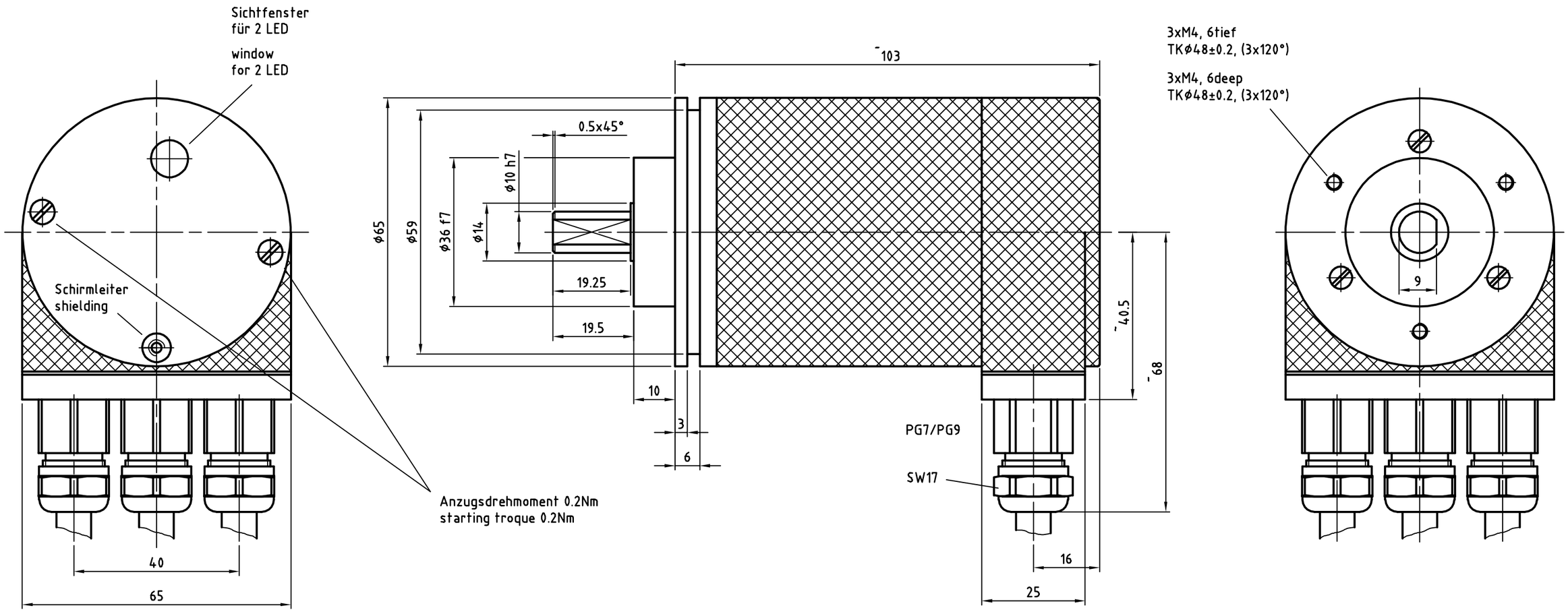

Für Schirmleiter:
Schraube M4x8 und Kabelschuh,
mit Zahnscheibe nach DIN6797-A
4.3-FSt unterlegt.

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

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

ø36	f7	-0.025 -0.05 / 35.975 35.95
ø10	h7	0 -0.015 / 10 9.985
Dimensions	Tolerances	

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Zust.	Änderung	Datum	Name

	Datum	Name
Erstellt	05.12.2005	Habetler
Bearb.	05.12.2005	HABETLER
Gepr.		
Norm		

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Maßstab 1:1 DIN A3 | Projekt-Nr.:

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

CEV-65-S, 36er Zentr.

Zeichnungs-NR../Drawing-No.:
04-CEV65S-M0011

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