

## Wire length encoder

**CEW582M\*4096/4096 LJU SLG ME 2M**

OrderNo.:CEW582M-10162

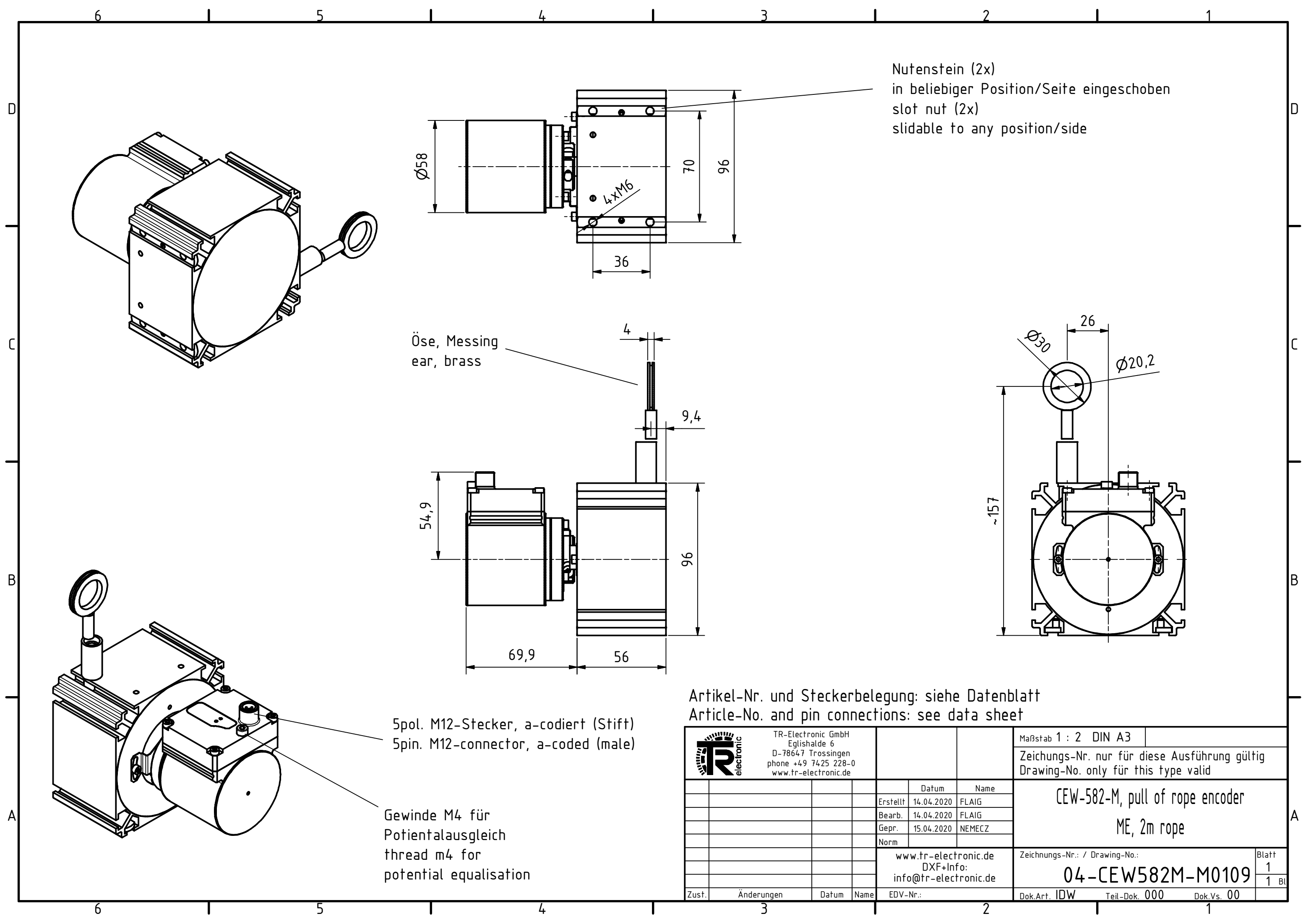
20.5.2023 / 010103020102020958

### Technical data

|                             |                                |
|-----------------------------|--------------------------------|
| NO.OF STEPS/REV             | 4.096,000                      |
| NO. OF REVOLUTIONS          | 4.096,000                      |
| PARAMETERIZABLE             | VIA INTERFACE                  |
| INTERFACE                   | LJU-BUS                        |
| CODE                        | BINAER/GRAY                    |
| SUPPLY VOLTAGE              | 10-30V                         |
| PROTECTION Class            | SIEHE SLG                      |
| OPERATING TEMPERATURE       | -20°C... +75°C                 |
| FLANGE TYPE                 | DMS 2 FLÜGEL TEILKREIS 63      |
| FLANGE TYPE                 | DREHMOMENTSTÜTZE (DMS)         |
| SHAFT EXECUTION             | (RLT) Rope length transmitter  |
| SHAFT TYPE                  | D12H7                          |
| CONNECTOR TYPE              | 1x M12 05-PIN A-CODE MALE      |
| CONNECTOR-POSITION          | RADIAL                         |
| PINOUT NO.                  | TR-ECE-TI-DGB-0338             |
| OPTIONS ENC                 | POSITION ADJUSTMENT: 8388608   |
| OPTIONS ENC                 | PRESET 1: 8388608              |
| OPTIONS ENC                 | RLT ME-WDS-2000-P96-M-TRE      |
| OPTIONS ENC                 | ROPE EXIT -> CONNECTOR 0°CCW   |
| SLG-ORDER NO                | 40730012                       |
| DRAWING NO.                 | 04-CEW582M-M0109               |
| AL:                         | N                              |
| ECCN:                       | N                              |
| MTTFd [y] (T=45°C, DC=0) >= | 200                            |
| UL-APPROVALS                | USA+CANADA                     |
| SLG-RATIO                   | 163,82...164,22 mm/TURN        |
| SLG-LINEARITY               | +/-0,02%                       |
| SLG-TEMPERATURE RANGE       | -20°C...+80°C                  |
| SLG-PROTECTION CLASS        | IP54 / IP65 BOTTOM OUTLET      |
| SLG-SPRING FORCE            | min.5N / max.11N               |
| SLG-B10-Value               | 450.000 bei 52.800 Zyklen p.a. |
| SLG-ROPE DIAMETER           | 0,8 mm                         |
| SLG-PULLOUT ANGLE           | max. +/-3°                     |

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

Subject to change.



Nutenstein (2x)  
in beliebiger Position/Seite eingeschoben  
slot nut (2x)  
slidable to any position/side

Öse, Messing  
ear, brass

5pol. M12-Stecker, a-codiert (Stift)  
5pin. M12-connector, a-coded (male)

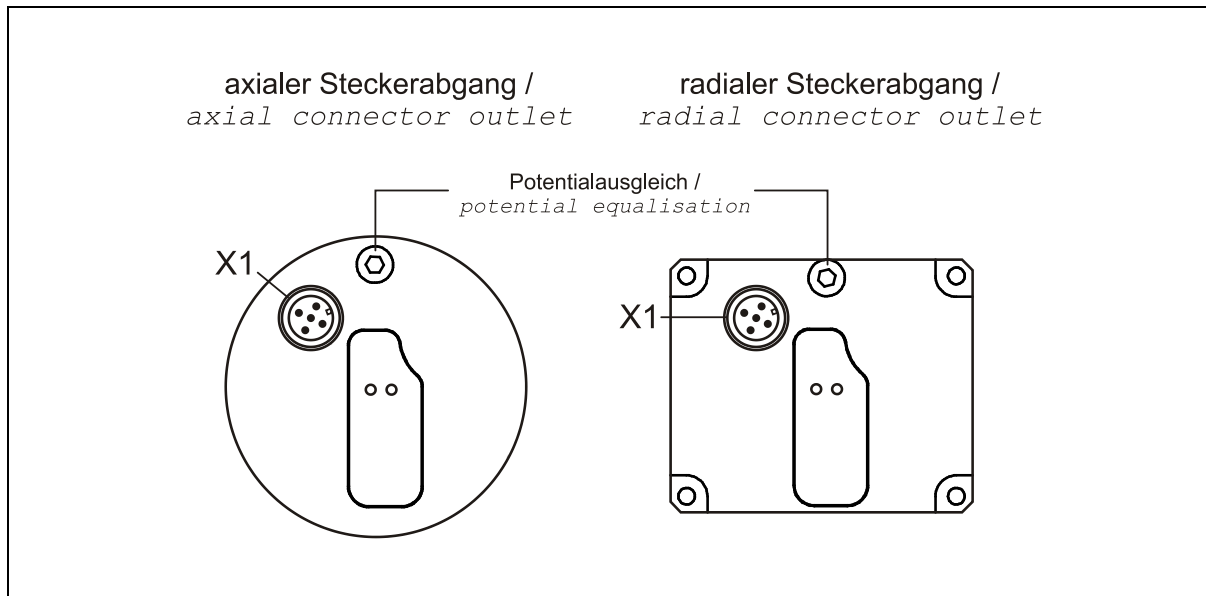
Gewinde M4 für  
Potentialausgleich  
thread m4 for  
potential equalisation

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

|                                                                                                                                                                                                              |            |       |                                                                                        |                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|----------------------------------------------------------------------------------------|--------------------------|
|  <div>TR-Electronic GmbH<br/>Eglshalde 6<br/>D-78647 Trossingen<br/>phone +49 7425 228-0<br/>www.tr-electronic.de</div> |            |       | Maßstab 1 : 2 DIN A3                                                                   |                          |
|                                                                                                                                                                                                              |            |       | Zeichnungs-Nr. nur für diese Ausführung gültig<br>Drawing-No. only für this type valid |                          |
|                                                                                                                                                                                                              |            |       | Datum                                                                                  | Name                     |
|                                                                                                                                                                                                              |            |       | Erstellt 14.04.2020                                                                    | FLAIG                    |
|                                                                                                                                                                                                              |            |       | Bearb. 14.04.2020                                                                      | FLAIG                    |
|                                                                                                                                                                                                              |            |       | Gepr. 15.04.2020                                                                       | NEMECZ                   |
|                                                                                                                                                                                                              |            |       | Norm                                                                                   |                          |
|                                                                                                                                                                                                              |            |       | www.tr-electronic.de<br>DXF+Info:<br>info@tr-electronic.de                             |                          |
| Zust.                                                                                                                                                                                                        | Änderungen | Datum | Name                                                                                   | EDV-Nr.:                 |
|                                                                                                                                                                                                              |            |       | Zeichnungs-Nr.: / Drawing-No.:                                                         |                          |
|                                                                                                                                                                                                              |            |       | 04-CEW582M-M0109                                                                       |                          |
|                                                                                                                                                                                                              |            |       | Dok.Art. IDW                                                                           | Teil-Dok. 000 Dok.Vs. 00 |
|                                                                                                                                                                                                              |            |       | Blatt 1 1 Bl                                                                           |                          |

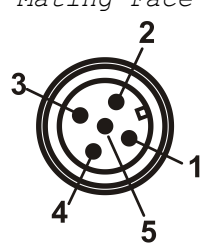
## Steckerbelegung / Pin assignment

**Series 582 / 802 / 1102 LJU**



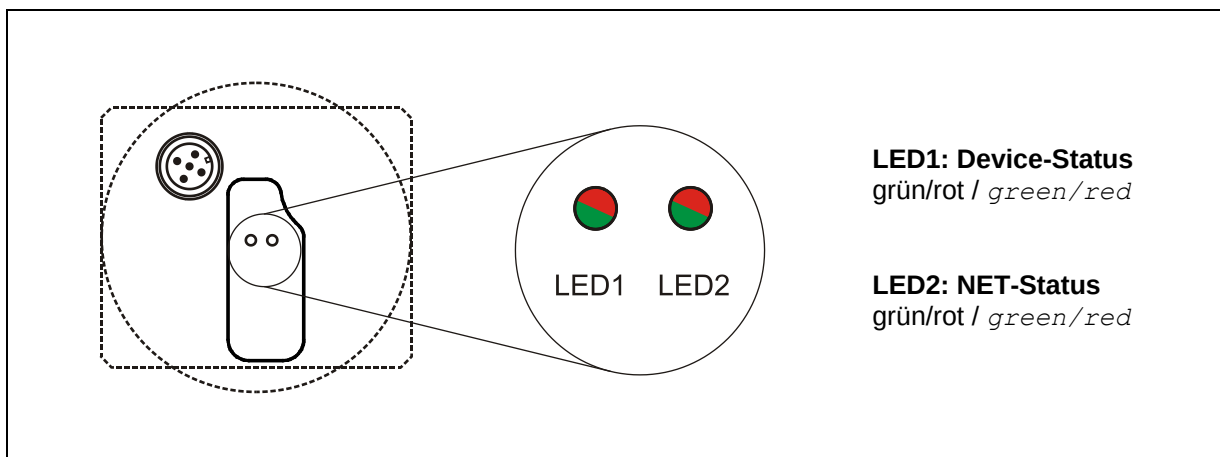
Die Schirmung ist großflächig auf das Gegensteckergehäuse aufzulegen! /

*The shielding is to be connected with large surface on the mating connector housing!*

| X1 | Flanschstecker / <i>Male socket</i> (M12 - 5 pin. A-coded) |                                                                                   | Steckseite /<br><i>Mating Face</i><br> |
|----|------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1  | L+                                                         | Versorgungsspannung +10...30 V DC /<br><i>Supply Voltage +10...30 V DC</i>        |                                                                                                                             |
| 2  | BUS_A                                                      | RS485 +                                                                           |                                                                                                                             |
| 3  | L-                                                         | Versorgungsspannung 0 V /<br><i>Supply Voltage 0 V</i>                            |                                                                                                                             |
| 4  | BUS_B                                                      | RS485 -                                                                           |                                                                                                                             |
| 5  | ADDRESS                                                    | Adress-Kodierung:<br>0 V = Standardadresse<br>+10...30 V DC = Standardadresse + 1 |                                                                                                                             |

## Steckerbelegung / Pin assignment

### LEDs



#### LED1: Device-Status

| Farbe / <i>Color</i> | Status             | Beschreibung / <i>Description</i>                                                               |
|----------------------|--------------------|-------------------------------------------------------------------------------------------------|
| -                    | OFF                | Spannungsversorgung fehlt, Hardware defekt /<br><i>Power supply missing, hardware defective</i> |
| rot / <i>red</i>     | ON                 | - Fehlerhafte Position / <i>Incorrect position</i><br>- Speicherfehler / <i>Memory error</i>    |
| rot / <i>red</i>     | BLINKING<br>500 ms | Mess-System defekt / <i>Measuring system defective</i>                                          |
| grün / <i>green</i>  | ON                 | Normalbetrieb, Datenaustausch / <i>Normal mode, data exchange</i>                               |

#### LED2: NET-Status

| Farbe / <i>Color</i> | Status             | Beschreibung / <i>Description</i>                                                                                                                                                                      |
|----------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| -                    | OFF                | Spannungsversorgung fehlt, Hardware defekt /<br><i>Power supply missing, hardware defective</i>                                                                                                        |
| rot / <i>red</i>     | ON                 | Kommunikationsfehler: Checksumme oder LJU Adresse falsch,<br>undefiniertes Funktions-/Steuerbyte /<br><i>Communication error: wrong Checksum or LJU adress,<br/>undefined function- / control byte</i> |
| grün / <i>green</i>  | ON                 | LJU-Kommunikation aktiv / <i>LJU communication active</i>                                                                                                                                              |
| grün / <i>green</i>  | BLINKING<br>500 ms | - Keine LJU-Kommunikation / <i>No LJU communication</i><br>- Kein Datenaustausch / <i>No data exchange</i>                                                                                             |