

## Absolute rotary Encoder

# CEH582M\*8192/4096 SSI+INK DMS 12H7 KRF

OrderNo.:CEH582M-00057

17.5.2023 / 010102058202010202

### Technical data

|                             |                               |
|-----------------------------|-------------------------------|
| NO.OF STEPS/REV             | 8.192,000                     |
| NO. OF REVOLUTIONS          | 4.096,000                     |
| INTERFACE                   | SSI+INK                       |
| CODE                        | GRAY                          |
| SUPPLY VOLTAGE              | 10-30V                        |
| PROTECTION Class            | IP54                          |
| OPERATING TEMPERATURE       | -20°C... +75°C                |
| FLANGE TYPE                 | DMS 2 FLÜGEL TEILKREIS 63     |
| FLANGE TYPE                 | DREHMOMENTSTÜTZE (DMS)        |
| SHAFT EXECUTION             | (H) Hollow shaft              |
| SHAFT TYPE                  | D12H7 NUT4                    |
| CONNECTOR TYPE              | 1x M23 17-PIN 0°-CODE MALE CW |
| CONNECTOR-POSITION          | RADIAL                        |
| PINOUT NO.                  | ST10932                       |
| OPTIONS ENC                 | CLAMPING RING FRONT SIDE      |
| OPTIONS ENC                 | INK LEVEL: TTL                |
| OPTIONS ENC                 | INK PPR: 2048                 |
| OPTIONS ENC                 | INK TRACKS: A B /A /B         |
| OPTIONS ENC                 | SSI DATA BITS: 25             |
| OPTIONS ENC                 | SSI MONO TIME: 20µs           |
| OPTIONS ENC                 | SSI TOGGLE BIT: 26. BIT       |
| OPTIONS ENC                 | SSI-STAT. FEHLER LOW-AKTIV    |
| OPTIONS ENC                 | SSI-STAT. FEHLER: 27. BIT     |
| DRAWING NO.                 | 04-CEH582M-M0042              |
| FIRMWARE NO                 | 437582                        |
| AL:                         | N                             |
| ECCN:                       | N                             |
| MTTFd [y] (T=45°C, DC=0) >= | 100                           |
| UL-APPROVALS                | USA+CANADA                    |

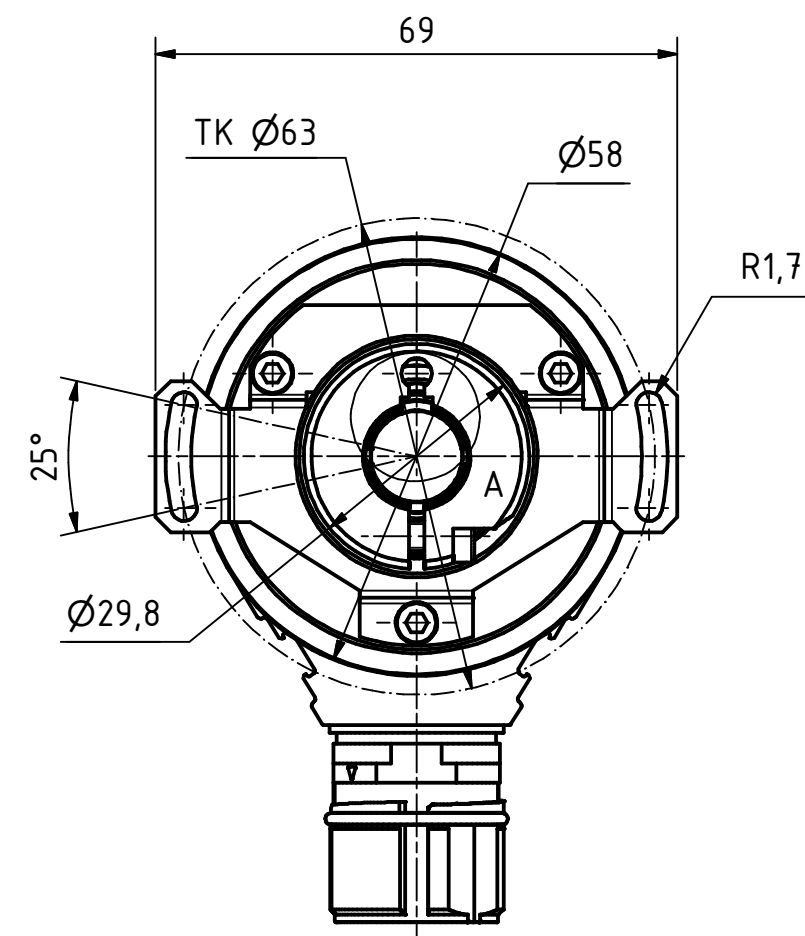
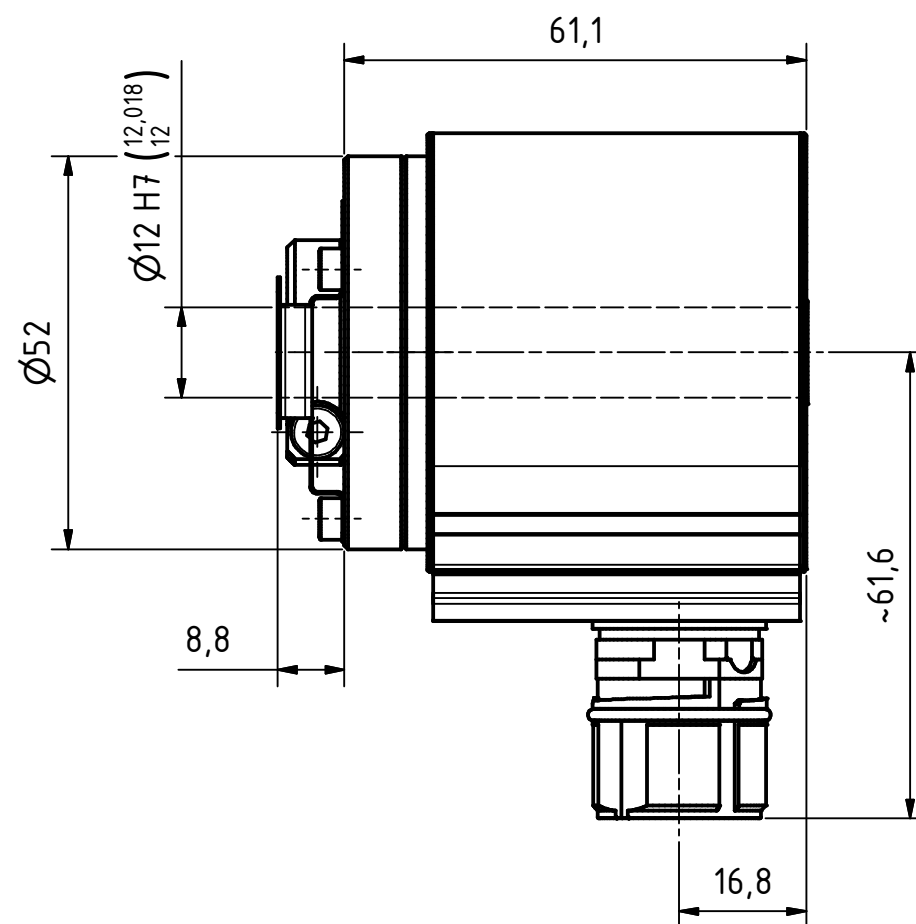
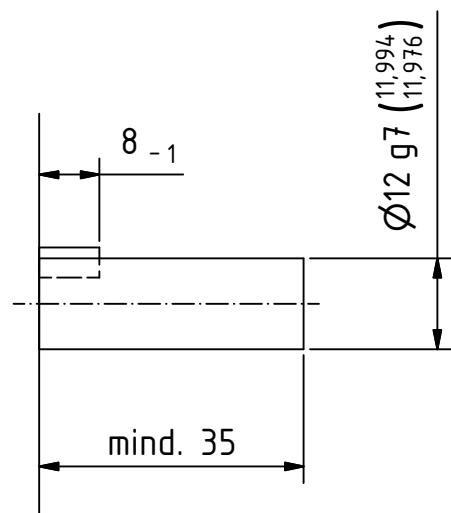
|                |                                                            |
|----------------|------------------------------------------------------------|
| <b>GL</b>      | Wellenausführung glatt / shaft type cylindrical            |
| <b>FL</b>      | Wellenausführung mit Fläche / shaft type with 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.

**i** Alle nicht tolerierten Maße sind Richtwerte. [All non-tolerated dimensions are guide values.]  
Technische Änderungen grundsätzlich vorbehalten. [We reserve the right to make technical changes.]

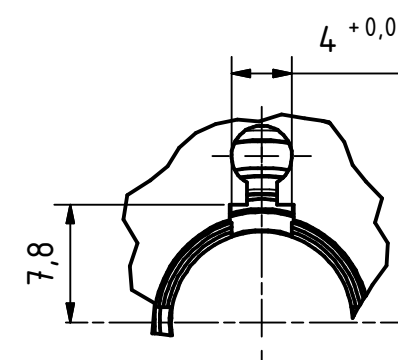
Kundenseite  
[customer side]

Passfeder [feather key]  
DIN6885-A-4x4

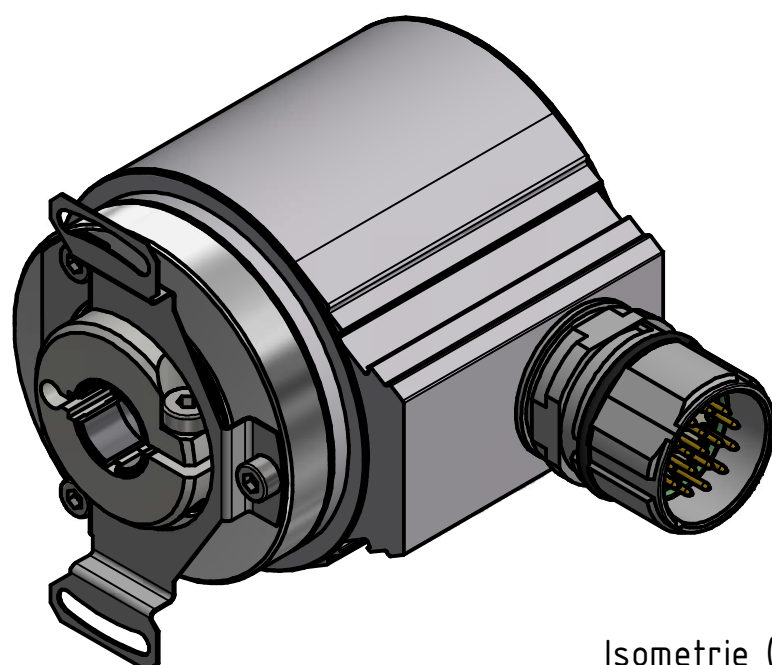


17pol. Stecker  
[17pin. connector]

Passfedernut NICHT nach Norm !



A ( 2 : 1 )



Isometrie ( 1 : 1 )

|                                                               |               |            |                                        |                                                                                                                                                                                              |            |                                                                                                             |  |        |  |
|---------------------------------------------------------------|---------------|------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------|--|--------|--|
| Tolerierung [Tolerancing] ISO 8015                            |               |            | alle Maße in mm [all dimensions in mm] |                                                                                                                                                                                              |            |  Maßstab [Scale] 1 : 1 |  | DIN A3 |  |
| E-Mail: info@tr-electronic.de<br>Support: http://tr-e.info/01 |               |            | CAD: STEP                              |                                                                                                                                                                                              |            | Artikel-Nr. und Steckerbelegung: siehe Datenblatt<br>[Article-No. and pin assignment: see data sheet]       |  |        |  |
|                                                               |               |            |                                        |                                                                                                                                                                                              | Datum      | Name                                                                                                        |  |        |  |
|                                                               |               |            |                                        | Erst.                                                                                                                                                                                        | 03.12.2019 | FLAIG                                                                                                       |  |        |  |
|                                                               |               |            |                                        | Bearb.                                                                                                                                                                                       | 27.06.2022 | FLAIG                                                                                                       |  |        |  |
|                                                               |               |            |                                        | Gepr.                                                                                                                                                                                        | 28.06.2022 | NEMECZ                                                                                                      |  |        |  |
|                                                               |               |            |                                        | Norm                                                                                                                                                                                         |            |                                                                                                             |  |        |  |
|                                                               |               |            |                                        |  TR Electronic GmbH<br>Eglshalde 6<br>D-78647 Trossingen<br>Tel. +49 7425 228-0<br>www.tr-electronic.de |            |                                                                                                             |  |        |  |
|                                                               |               |            |                                        |                                                                                                                                                                                              |            |                                                                                                             |  |        |  |
| 1                                                             | Überarbeitung | 27.06.2022 | FLA                                    | Zeichnung-Nr. [Drawing-No.]:<br>04-CEH582M-M0042                                                                                                                                             |            |                                                                                                             |  |        |  |
| Zust.                                                         | Änderungen    | Datum      | Name                                   |                                                                                                         |            |                                                                                                             |  |        |  |
|                                                               |               |            |                                        | Dok.Art. IDW      Teil-Dok. 000      Dok.Vs. 01      1/1 Bl.                                                                                                                                 |            |                                                                                                             |  |        |  |

## Pin assignment

Pin assignment number: 10932

Connector name: 17-pol CONTACT

Index:

Pin-count: 17

13.01.2021

Page: 1/1

| Pin | Designation       | Description        | Colour |
|-----|-------------------|--------------------|--------|
| 1   | SSI_Clock-_IN     | Clock input -      | -      |
| 2   | SSI_Clock+_IN     | Clock input +      | -      |
| 3   | SSI_DATA+_OUT     | Data output +      | -      |
| 4   | SSI_DATA-_OUT     | Data output -      | -      |
| 5   | DON'T USE         |                    | -      |
| 6   | DON'T USE         |                    | -      |
| 7   | CH_A_OUT          | Channel A          | -      |
| 8   | /CH_A_OUT         | Channel A inverted | -      |
| 9   | CH_B_OUT          | Channel B          | -      |
| 10  | /CH_B_OUT         | Channel B inverted | -      |
| 11  | not connected     |                    | -      |
| 12  | not connected     |                    | -      |
| 13  | not connected     |                    | -      |
| 14  | not connected     |                    | -      |
| 15  | not connected     |                    | -      |
| 16  | Supply Voltage IN | Supply voltage     | -      |
| 17  | Ground IN         | Ground             | -      |

### WARNING

'De-energize the system before carrying out wiring work or opening and closing electrical connections !

Short-circuits, voltage peaks, etc. can cause operating failures and uncontrolled operating states, as well as serious personal injuries and damage to property.

Verdrahtungsarbeiten, Öffnen und Schließen von elektrischen Verbindungen nur im spannungslosen Zustand durchführen ! Kurzschlüsse, Spannungsspitzen etc. können zur Fehlfunktion und unkontrollierten Zuständen der Anlage bzw. zu erheblichen Personen- und Sachschäden führen.