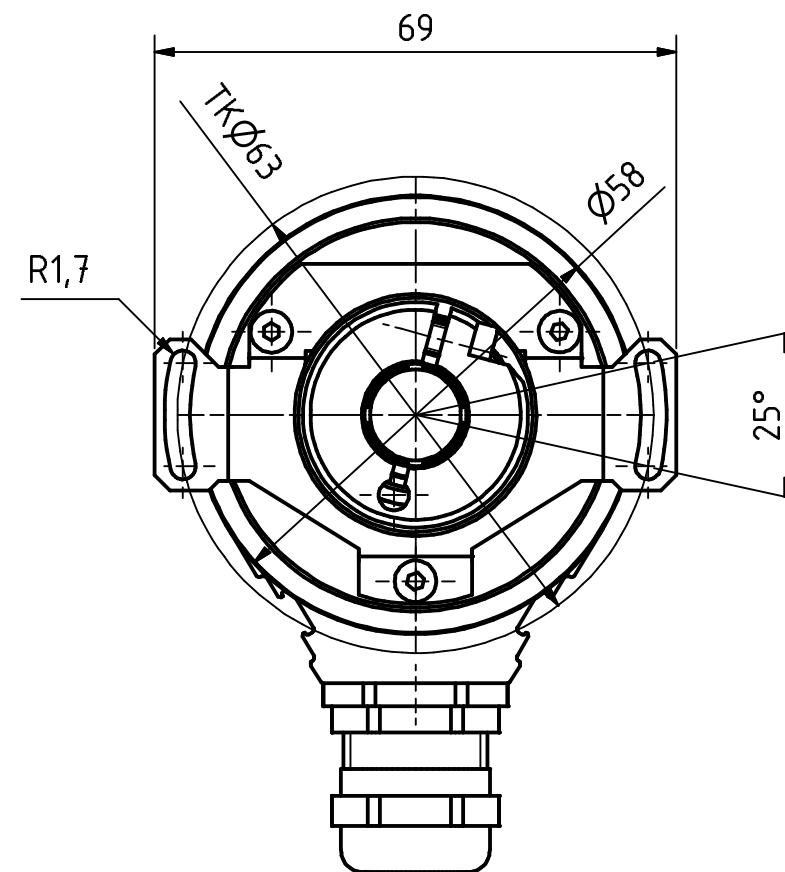
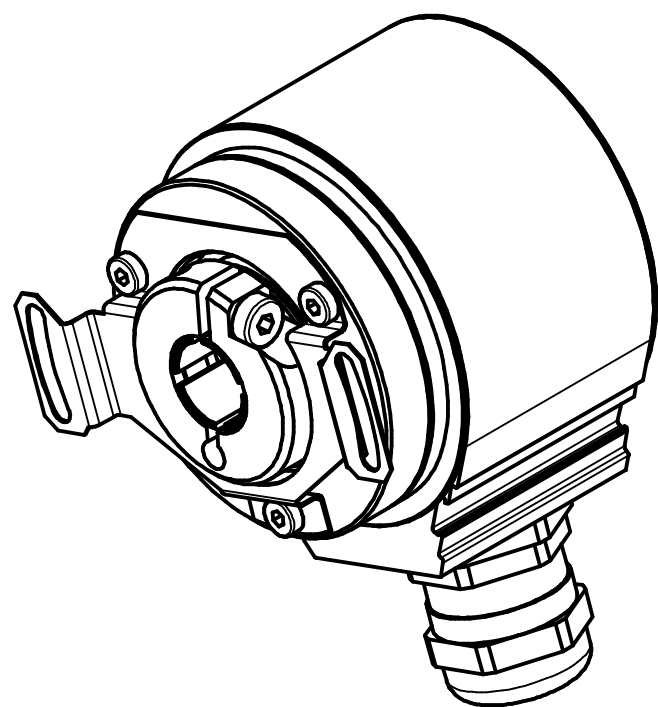
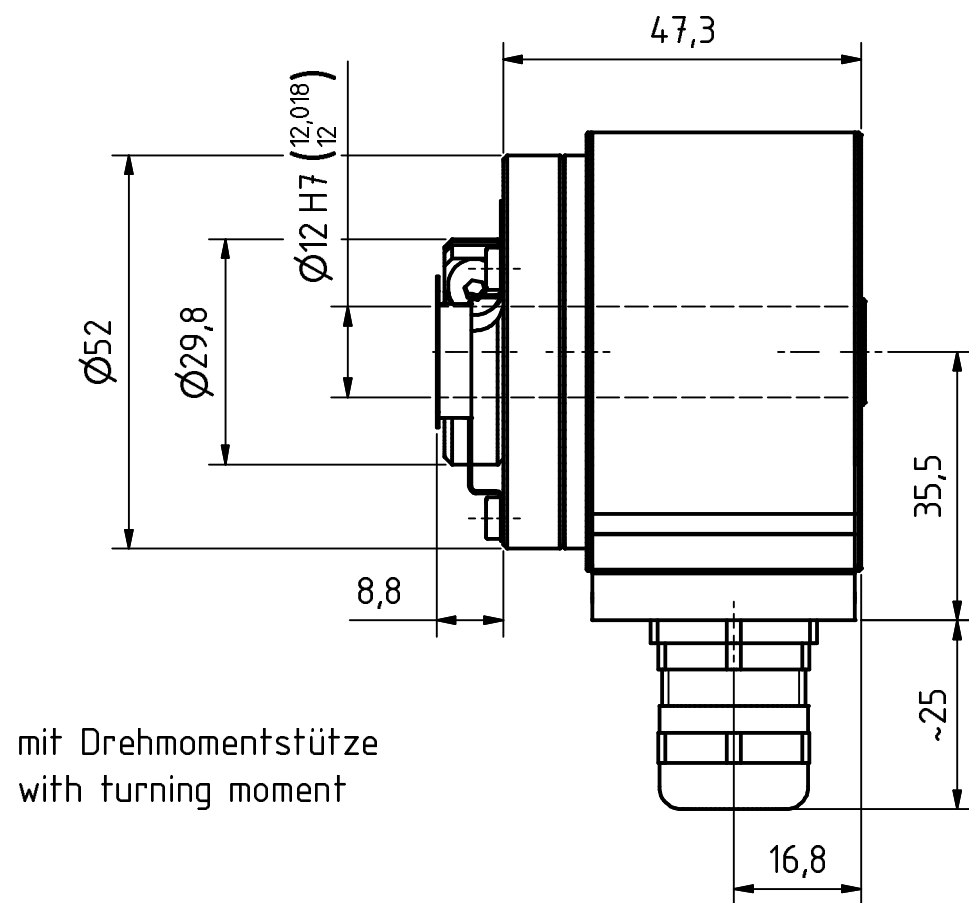


## Technical data

|                    |                         |
|--------------------|-------------------------|
| NO. OF PULSES      | 10000                   |
| PROGRAMMABLE       | PROG.                   |
| ABTASTUNGSART_GFR  | (E) <=10000             |
| INTERFACE          | INCREMENTAL             |
| NO. OF CHANNELS    | K1-K2 NEG               |
| ZERO-PULSE         | K0 NEG                  |
| SUPPLY VOLTAGE     | 4,5V..32V               |
| OUTPUT LEVEL       | HTL                     |
| PROTECTION Class   | IP65                    |
| TEMPERATURE RANGE  | -40+75°C                |
| SHAFT TYPE         | 12H7 HOLLOW SHAFT       |
| CONNECTOR-POSITION | PG RADIAL               |
| cable length (m)   | 2,000 M                 |
| PINOUT NO.         | ST10297                 |
| MATING PLUG        | NO                      |
| OPTIONS ENC        | CLAMPING RING ON FLANGE |
| OPTIONS ENC        | MOMENT SUPPORT SPRING   |
| OPTIONS ENC        | PROGRAMMABLE            |
| DRAWING NO.        | 04-IEH58:2-M0005        |
| VERSIONNO          | 000                     |

|                |                                                            |
|----------------|------------------------------------------------------------|
| <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.



Biegeradius Kabel 15xØ bezogen auf Standardkabel  
Unitronic FD-CP

Bending cable radius 15xØ for cable type  
Unitronic FD-CP

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

|                                                                                                                                                                                               |            |       |          |                                                                                        |        |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|----------|----------------------------------------------------------------------------------------|--------|-----------------------------|
|  TR-electronic GmbH<br>Eglshalde 6<br>D-78647 Trossingen<br>phone +49 7425 228.0<br>www.tr-electronic.de |            |       |          | Maßstab 1:1 DIN A3                                                                     |        | Projekt-Nr.:                |
|                                                                                                                                                                                               |            |       |          | Zeichnungs-Nr. nur für diese Ausführung gültig<br>Drawing-No. only for this type valid |        |                             |
|                                                                                                                                                                                               |            |       |          | Datum                                                                                  | Name   | IEH58:2, Ø12H7              |
|                                                                                                                                                                                               |            |       | Erstellt | 08.10.2014                                                                             | FLAIG  |                             |
|                                                                                                                                                                                               |            |       | Bearb.   | 08.10.2014                                                                             | FLAIG  |                             |
|                                                                                                                                                                                               |            |       | Gepr.    | 14.10.2014                                                                             | NEMECZ |                             |
|                                                                                                                                                                                               |            |       | Norm     |                                                                                        |        |                             |
|                                                                                                                                                                                               |            |       |          | www.tr-electronic.de<br>DXF+Info:<br>info@tr-electronic.de                             |        | Zeichnungs-NR./Drawing-No.: |
| Zust.                                                                                                                                                                                         | Änderungen | Datum | Name     |                                                                                        |        | Blatt<br>1<br>1 BL          |
|                                                                                                                                                                                               |            |       |          | 04-IEH58:2-M0005                                                                       |        |                             |

## Pin assignment

Pin assignment number: 10297

Index:

08.09.2014

Connector name: with cable outlet

Pin-count: 12

Page: 1/1

| Pin | Designation         | Description                      | Level          | Driver    | NC | Colour    |
|-----|---------------------|----------------------------------|----------------|-----------|----|-----------|
| 1   | CH_A_OUT            | Channel A                        | 4,5...32V      | Push Pull |    | white     |
| 2   | /CH_A_OUT           | Channel A inverted               | 4,5...32V      | Push Pull |    | brown     |
| 3   | Direction IN        | Change of counting direction     | Supply Voltage |           | 0  | green     |
| 4   | CH_B_OUT            | Channel B                        | 4,5...32V      | Push Pull |    | yellow    |
| 5   | /CH_B_OUT           | Channel B inverted               | 4,5...32V      | Push Pull |    | gray      |
| 6   | Preset1_IN          | Preset value 1                   | Supply Voltage |           | 0  | pink      |
| 7   | CH_I_OUT            | Channel Reference                | 4,5...32V      | Push Pull |    | blue      |
| 8   | /CH_I_OUT           | Channel Reference inverted       | 4,5...32V      | Push Pull |    | red       |
| 9   | Ser.Program+_IN/OUT | Ser. programming interface RS485 | RS 485         | RS 485    |    | black     |
| 10  | Ser.Program-_IN/OUT | Ser. programming interface RS485 | RS 485         | RS 485    |    | violet    |
| 11  | Supply Voltage IN   | Supply voltage                   | 4,5...32V      |           |    | gray/pink |
| 12  | Ground IN           | Ground                           | 0V             |           |    | red/blue  |

### 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.