

## Incremental Encoder

IEV58:2\*10000 INC\_HTL 31,75ZB10FL

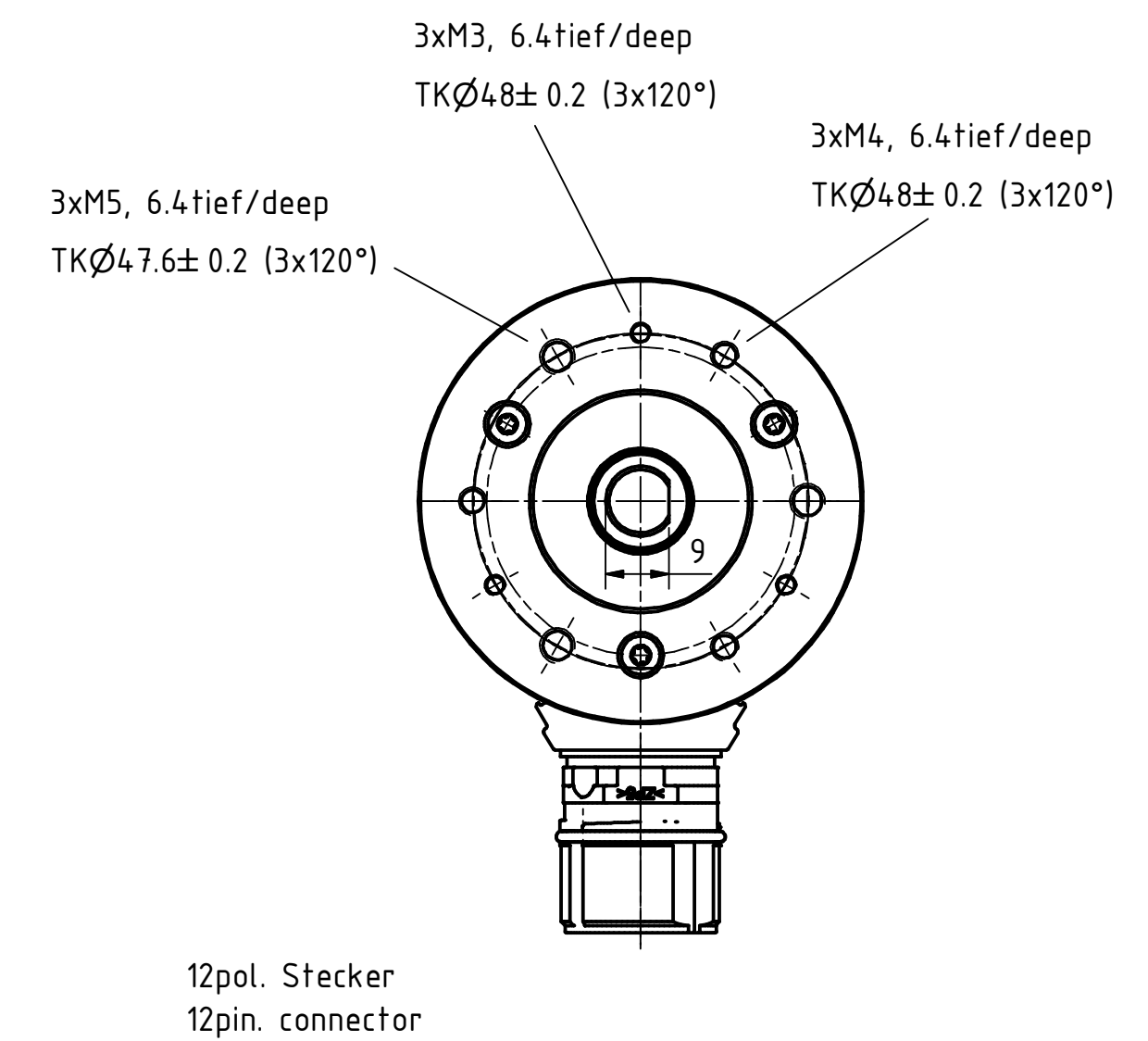
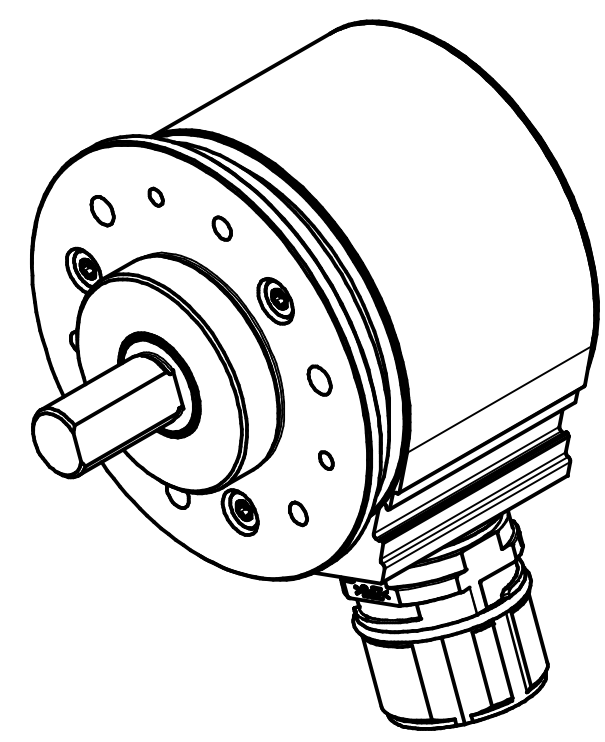
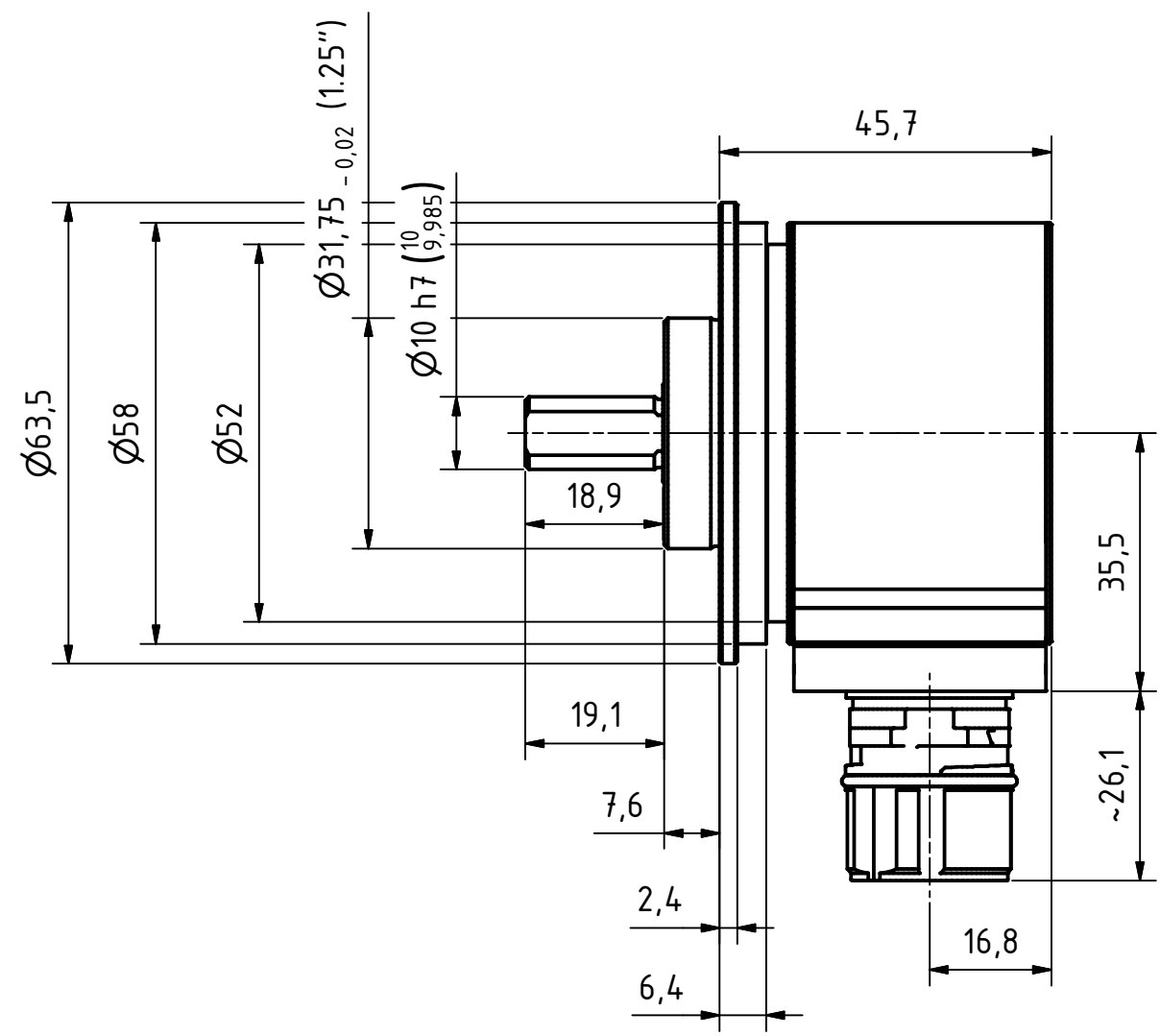
OrderNo.:IEV582-00205  
21.5.2023 / 0101010582

### Technical data

|                       |                             |
|-----------------------|-----------------------------|
| NO. OF PULSES         | 10000                       |
| PARAMETERIZABLE       | PROG.                       |
| INTERFACE             | INCREMENTAL                 |
| NO. OF CHANNELS       | K1-K2 NEG                   |
| ZERO-PULSE            | K0 NEG                      |
| SUPPLY VOLTAGE        | 4,75V..27V                  |
| OUTPUT LEVEL          | HTL                         |
| PROTECTION Class      | IP65                        |
| OPERATING TEMPERATURE | -40+75°C                    |
| FLANGE TYPE           | ZB31,75                     |
| SHAFT EXECUTION       | (V) Solid shaft             |
| SHAFT TYPE            | 10FL/19,5                   |
| CONNECTOR TYPE        | CONTACT 12P                 |
| CONNECTOR-POSITION    | CONNECTOR RADIAL ON HOUSING |
| PINOUT NO.            | ST10296                     |
| MATING PLUG           | NO                          |
| OPTIONS ENC           | F/R                         |
| OPTIONS ENC           | PRESET 1                    |
| OPTIONS ENC           | PROGRAMMABLE                |
| DRAWING NO.           | 04-IEV58:2-M0084            |
| VERSIONNO             | 000                         |
| FIRMWARE NO           | 437E00                      |
| DOCUMENTATION NO      | DOKUMENTE                   |
| AL:                   | AL:N                        |
| ECCN:                 | ECCN:N                      |
| 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.



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

|                                                                                                                                                                                                                |            |                                                            |      |                                                                                        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------|------|----------------------------------------------------------------------------------------|--|
|  <div>TR-Electronic GmbH<br/>Eglisshalde 6<br/>D-78647 Trossingen<br/>phone +49 7425 228.0<br/>www.tr-electronic.de</div> |            | Maßstab 1:1 DIN A3                                         |      | Projekt-Nr.:                                                                           |  |
|                                                                                                                                                                                                                |            |                                                            |      | Zeichnungs-Nr. nur für diese Ausführung gültig<br>Drawing-No. only for this type valid |  |
|                                                                                                                                                                                                                |            | Datum                                                      |      | Name                                                                                   |  |
|                                                                                                                                                                                                                |            | Erstellt                                                   |      | 13.12.2018 FLAIG                                                                       |  |
|                                                                                                                                                                                                                |            | Bearb.                                                     |      | 13.12.2018 FLAIG                                                                       |  |
|                                                                                                                                                                                                                |            | Gepr.                                                      |      | 14.12.2018 NEMECZ                                                                      |  |
|                                                                                                                                                                                                                |            | Norm                                                       |      |                                                                                        |  |
|                                                                                                                                                                                                                |            | www.tr-electronic.de<br>DXF+Info:<br>info@tr-electronic.de |      | Zeichnungs-NR./Drawing-No.:                                                            |  |
|                                                                                                                                                                                                                |            |                                                            |      | 04-IEV58:2-M0084                                                                       |  |
| Zust.                                                                                                                                                                                                          | Änderungen | Datum                                                      | Name | Blatt<br>1<br>1 Bl                                                                     |  |

## Pin assignment

Pin assignment number: 10296

Index:

13.01.2021

Connector name: M23 12-pol

Pin-count: 12

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| Pin | Designation         | Description                      | Colour |
|-----|---------------------|----------------------------------|--------|
| 1   | CH_A_OUT            | Channel A                        | -      |
| 2   | /CH_A_OUT           | Channel A inverted               | -      |
| 3   | Direction IN        | Change of counting direction     | -      |
| 4   | CH_B_OUT            | Channel B                        | -      |
| 5   | /CH_B_OUT           | Channel B inverted               | -      |
| 6   | Set CH_I_IN         |                                  | -      |
| 7   | CH_I_OUT            | Channel Reference                | -      |
| 8   | /CH_I_OUT           | Channel Reference inverted       | -      |
| 9   | Ser.Program+_IN/OUT | Ser. programming interface RS485 | -      |
| 10  | Ser.Program-_IN/OUT | Ser. programming interface RS485 | -      |
| 11  | Supply Voltage IN   | Supply voltage                   | -      |
| 12  | 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.