

Inkrementalgeber

IEV58:2\*10000 INC\_PP 50ZB6GL

OrderNo.:IEV58:2-00003  
29.10.2014 / 0101010582

## 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                    |
| FLANGE TYPE        | ZB50                        |
| SHAFT TYPE         | 6RD/10                      |
| 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-M00...           |
| 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.

TR-Electronic GmbH  
Eglishalde 6  
78647 Trossingen  
Tel. +49 (0) 7425 228-0  
info@tr-electronic.de  
[www.tr-electronic.de](http://www.tr-electronic.de)

## Pin assignment

Pin assignment number: 10296

Index:

08.09.2014

Connector name: 12-pol CONTACT

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                   | 10...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.