Absolute rotary Encoder

CE100M*4096/4096 V0CA PROFIBUS 80ZB12FL

Order No.:100-01307
8.7.2022 / 010102031002020201

Technical data

NO.OF STEPS/REV	4.096,000
NO. OF REVOLUTIONS	4.096,000
INTERFACE	PROFIBUS DP
CODE	PROGRAMABLE
SUPPLY VOLTAGE	11-27V
OUTPUT LEVEL	RS485
PROTECTION Class	IP65
OPERATING TEMPERATURE	0-60°C
FLANGE TYPE	ZB80
SHAFT TYPE	12FL/24
CONNECTOR TYPE	3XPG11
CONNECTOR-POSITION	PG RADIAL
PINOUT NO.	TR-ECE-TI-GB-0043
MATING PLUG	NO
OPTIONS ENC	12MBAUD
OPTIONS ENC	PNO-PROFILE CLASS.2
DRAWING NO.	04-732-1366
VERSIONNO	0CA
FIRMWARE NO	WIU00001
DOCUMENTATION NO	DOKUMENTE
AL:	N
ECCN:	N

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

Subject to change.

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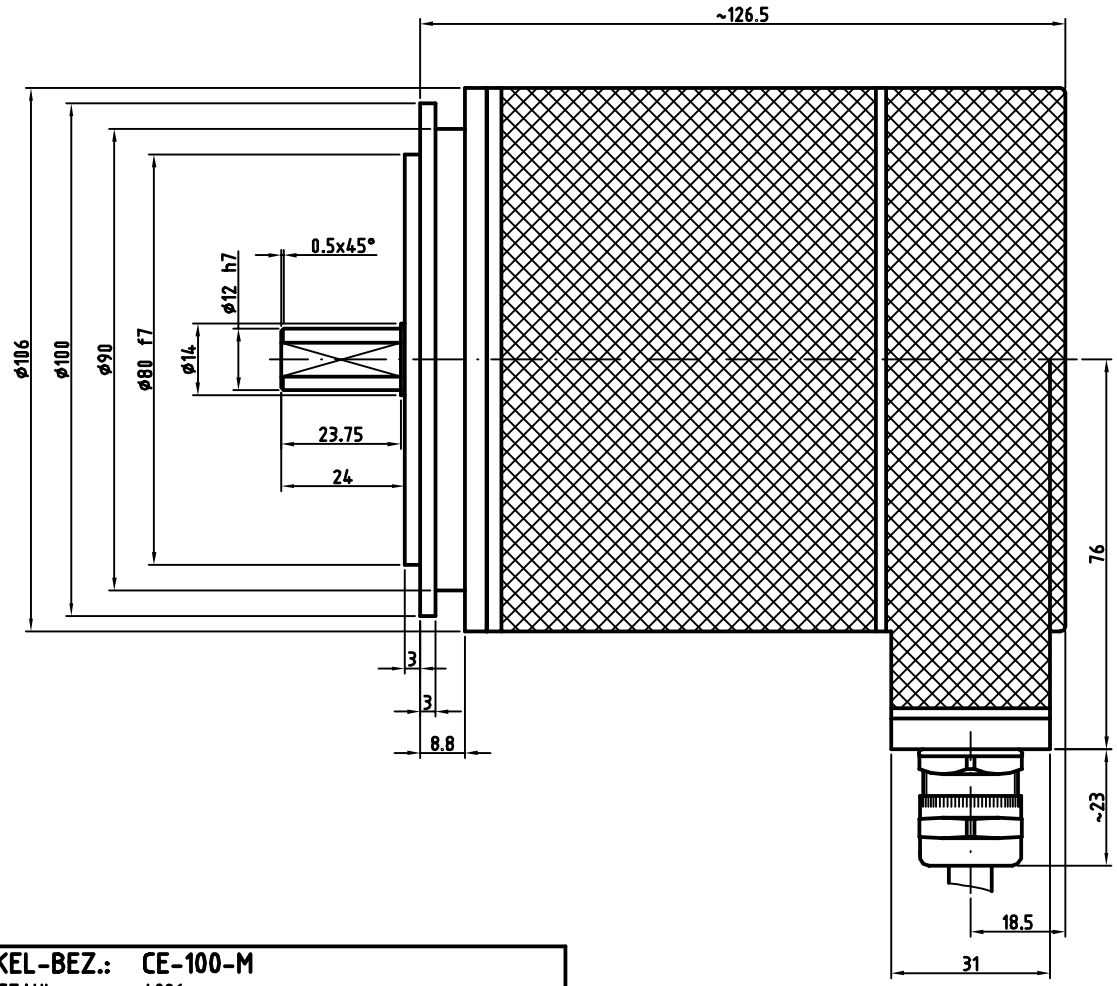

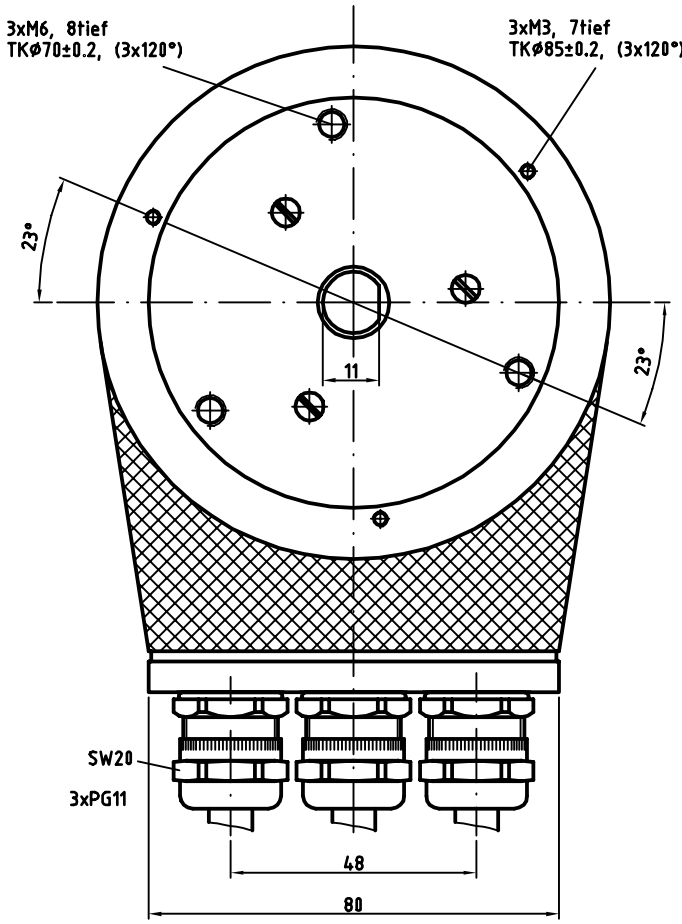

ARTIKEL-BEZ.:	**CE-100-M**
SCHRITTZAHL	4096
UMDREHUNG	4096
SCHNITTSTELLE	PROFIBUS DP
AUSGANGSPEGEL	RS485
CODE	PROGRAMMIERBAR
VERSORGUNGSSPANNUNG	11-27V
SCHUTZART	IP65
GRENZTEMPERATUR	0-60°C
FLANSCHART	ZB80
WELLE	ø12 (24 lang) Fläche
STECKERART	3xPG11 radial
OPTIONEN	PNO-PROFIL CLASS.2, 12MBAUD

Maß	Passung		
ø80	f7	-0.030	79.970
		-0.060	79.940
ø12	h7	0	12.000
		-0.018	11.982

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Zust.	Änderung	Datum	Name

	Datum	Name
Erstellt	10.01.00	Habetler
Bearb.		
Gepr.		
Norm		

Steckerbelegung:
TR-ECE-TI-D-0043
EDV-NR.:

Maßstab 1:1 DIN A3 Projekt-Nr.:

Artikel-NR.: 100-01307
Bestell-NR.:

CE-100-M, 80er Zentr.
Ausf.: PROFIBUS DP

Zeichnungs-NR.: 04-732-1366

Blatt 1
BL

Pin Assignment Series 100/115 PROFIBUS-DP/SSI

General note:

If the measuring system is the last station in the Profibus line, the DIP switches *DIP1* and *DIP2* for the Profibus terminator (switching-on of the terminal resistance) must be switched on. Otherwise they must be switched off.

The Profibus also works when the measuring system is removed. Is the measuring system the last station in the Profibus line, the reference potential of the terminator resistances is missing!

In order to enable a separate wiring of incoming and outgoing signals the Profibus terminals and the terminals for the supply voltage have two connection possibilities.

TR-Electronic recommends for the operation to use only bus cables certified by the PNO.

With the BCD address switches 10^1 and 10^0 the station address for the Profibus is set from 3 to 99.

Explanation of terms:

US:	Supply voltage, 11-27 V DC
US-input:	1-level > +8V, 0-level < +2V, up to ±35V, 5 kOhm

X1 - screw clamp 2-pin

Pin 1	Profibus DataB
Pin 2	Profibus DataA

X2 - screw clamp 2-pin

Pin 1	For service purposes only (PT+)
Pin 2	US-input Preset 2

X3 - screw clamp 2-pin (option)

Pin 1	SSI-Clock –
Pin 2	SSI-Data –

X4 - screw clamp 2-pin

Pin 1	US, supply voltage
Pin 2	GND, supply voltage 0 V

X5 - screw clamp 2-pin

Pin 1	Profibus DataB
Pin 2	Profibus DataA

X6 - screw clamp 2-pin

Pin 1	For service purposes only (PT–)
Pin 2	US-input Preset 1

X7 - screw clamp 2-pin (option)

Pin 1	SSI-Clock +
Pin 2	SSI-Data +

X8 - screw clamp 2-pin

Pin 1	US, supply voltage
Pin 2	GND, supply voltage 0 V