

Absolute rotary Encoder

CE100M*4096/4096 PROFIBUS DP

OrderNo.:100-01034

11.5.2023 / 010102031099999999

Technical data

NO.OF STEPS/REV	4.096,000
NO. OF REVOLUTIONS	4.096,000
PARAMETERIZABLE	PROG.
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	10FLKEYWAY/24
CONNECTOR TYPE	3XPG9
CONNECTOR-POSITION	PG RADIAL
cable length (m)	
PINOUT NO.	TR-ECE-TI-GB-0012
MATING PLUG	NO
OPTIONS ENC	PROGRAMMABLE
DRAWING NO.	04-732-1091
VERSIONNO	0CA
PARAMETER FILE	913N
FIRMWARE NO	922
DOCUMENTATION NO	DOKUMENTE

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.

Connector pin assignment CE-65 Profibus Encoder

General note:

If the encoder 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 cover with the terminals can be replaced while the encoder is alive. The profibus also works when the encoder is removed, except if it is the last station. The supply of the terminator is then missing.

In order to enable a separate wiring of incoming and outgoing signals the profibus terminals have two connection possibilities. Cables with twisted core pairs, recommended by Siemens, should be used.

For the + and - signals of RS485 twisted core pairs are to be used.

With the BCD address switches 10^0 and 10^1 the station address for the profibus can be set from 3 to 99. Select "yes" in the line "address switch" the section "Profibus" in the EPROG dialogue. Otherwise enter the profibus address directly in the EPROG dialogue, regardless of the position of the address switch.

Explanation of terms:

CE65:	Compact-Encoder with Ø 65 mm
MINI-COMBICON:	Connector Phoenix MINI-COMBICON 8A/125V, grid 3.5 mm
US:	Supply voltage
US-input:	1-level > +8V, 0-level < +2V, up to ±35V, 5 kOhm
US-output:	1-level > US-2V, 0-level < 1 V, up to 100mA

X1 - MINI-COMBICON 5-pole

Pin 1	Profibus DataB
Pin 2	Profibus DataA
Pin 3	Profibus M5V2
Pin 4	RS485 for PC-adapter and EPROG +
Pin 5	<i>Do not wire!</i>

X2 - MINI-COMBICON 5-pole

Pin 1	<i>Do not wire!</i>
Pin 2	US-input for Preset 1
Pin 3	US-input for Preset 2
Pin 4	0V-Ground
Pin 5	US-Power Supply

X3 - MINI-COMBICON 6-pole

Pin 1	Profibus DataB
Pin 2	Profibus DataA
Pin 3	Profibus M5V2
Pin 4	RS485 for PC-adapter and EPROG -
Pin 5	<i>Do not wire!</i>
Pin 6	<i>Do not wire!</i>

