

Absolute rotary Encoder

CEH80S*32768/1 V000 SSI HW20H7

OrderNo.:CEH80S-00009

18.5.2023 / 010102008002010102

Technical data

NO.OF STEPS/REV	32.768,000
NO. OF REVOLUTIONS	1,000
INTERFACE	SSI
CODE	GRAY
SUPPLY VOLTAGE	11-27V
OUTPUT LEVEL	RS422
PROTECTION Class	IP54
OPERATING TEMPERATURE	-20+70°C
SHAFT TYPE	20H7 HOLLOW SHAFT
CONNECTOR TYPE	CONTACT 12P
CONNECTOR-POSITION	CONNECTOR RADIAL ON HOUSING
PINOUT NO.	ST185E
MATING PLUG	YES
OPTIONS ENC	F/R
OPTIONS ENC	MOMENT SUPPORT SPRING
OPTIONS ENC	PRESET 1+2
OPTIONS ENC	PROGRAMMABLE
DRAWING NO.	04-CEH80S-M0005
VERSIONNO	000
FIRMWARE NO	437765
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.

Technical drawing of a part with a hole and a slot. The hole has a diameter of 20 mm with a tolerance of $+0.003/-0.012$ mm. The slot has a width of 58 mm with a tolerance of $+0.1/-0.05$ mm. The drawing includes dimension lines and feature control symbols.

Technical drawing of a mechanical part, showing a side view and a cross-section view (Ansicht A).

Side View Dimensions:

- Overall diameter: $\varnothing 80$
- Overall length: 48
- Inner diameter: $\varnothing 30 \begin{smallmatrix} -0,017 \\ -0,027 \end{smallmatrix}$
- Inner diameter tolerance: $\varnothing 20 \text{ H7 } \begin{smallmatrix} 20,021 \\ 20 \end{smallmatrix}$
- Inner length: (8)
- Outer diameter of cross-section: $\varnothing 50$
- Length of cross-section: 47

Cross-section View (Ansicht A) Dimensions:

- Overall length: 69,5
- Inner diameter: 16

12pol. Stecker
12pin. connector

Technical drawing of a circular component with a central hole and a rectangular flange. The drawing includes dimensions: $4 \pm 0,02$, 10,5, 24,5, 34, 7, 5, $20 \pm 0,1$, 30, 54, 15, 58, 2xM3, $\text{Ø}25,7$, and $3 \times \text{Ø}4,5$. The text "Drehmomentstütze turning moment" is present.

		TR-Electronic GmbH Eglshalde 6 D-78647 Trossingen phone +49 7425 228.0 www.tr-electronic.de				Maßstab 1:1 DIN A3 Projekt-Nr.:	
						Zeichnungs-Nr. nur für diese Ausführung gültig Drawing-No. only for this type valid	
					Datum	Name	CEH-80-S, Ø20H7
				Erstellt	30.07.11	FLAIG	
				Bearb.	30.07.11	FLAIG	
				Gepr.			
				Norm			
				www.tr-electronic.de DXF+Info: info@tr-electronic.de			Zeichnungs-NR../Drawing-No.: 04-CEH80S-M0005
Zust.	Änderungen	Datum	Name				Blatt 1 1 B

Pin assignment

Pin assignment number: 185

Index: E

20.01.2021

Connector name: M23 12-pol

Pin-count: 12

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Pin	Designation	Description	Colour
1	SSI_Clock-_IN	Clock input -	-
2	SSI_Clock+_IN	Clock input +	-
3	SSI_DATA+_OUT	Data output +	-
4	SSI_DATA-_OUT	Data output -	-
5	Ser.Program+_IN/OUT	Ser. programming interface RS485	-
6	Ser.Program-_IN/OUT	Ser. programming interface RS485	-
7	not connected		-
8	Direction IN	Change of counting direction	-
9	Preset1_IN	Preset value 1	-
10	Preset2_IN	Preset value 2	-
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.