

Absolute-Encoder CEH802 - EtherNet/IP



EtherNet/IP



Ref.: K-CEH80_2-EIP-1

25.06.2021

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Advantages

- Customer-specific solutions
- Device Level Ring, DLR
- Intelligent diagnoses
- Parameterizable gear unit
- Preset "on the fly"
- Speed signal
- Through hollow shaft ≤ 27 mm

General Data

Nominal voltage	
- Specific value	24 VDC
- Limit values, min/max	10/30 VDC
Nominal current, typically	
- Specific value	90 mA
- Condition	unloaded
Device design	
- Type	Single-/Multi-Turn
Total resolution	≤ 33 Bit
Number of steps per revolution	≤ 32768
Number of revolutions	≤ 256000
Output capacity	≤ 31 Bit
EtherNet/IP™ - Interface	
- EtherNet/IP™	IEC 61784-1 CP 2/2, IEC 61158
- Physical Layer	Fast Ethernet, ISO/IEC 8802-3
- Device profile	Encoder Device Profile 0x22
Transmission rate	
- Specific value	100 MBit/s
Parameter/Function, changeable	Resolution
	Limit switch
	Adjustment - Parameter
	Scaling parameter

Subject to change.

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General Data continuation

	Counting direction
	Velocity parameter
Type of parametrization	programmable
Programming - Tool	Fieldbus-Device
Maximum Speed, mechanically	≤ 3000 1/min
Shaft load, axial/radial	Own mass
Bearing life time	$\geq 3.9E+10$ revolutions
Bearing life time - Parameter - Speed	3000 1/min
- Operating temperature	60 °C
Shaft type	
- Shaft diameter [mm]	10
- Shaft diameter [mm]	14
- Shaft diameter [mm]	16
- Shaft diameter [mm]	20
- Shaft diameter [mm]	24
- Shaft diameter [mm]	25
- Shaft diameter [mm]	27
Angular acceleration	$\leq 10E+4$ rad/s ²
Moment of inertia, typically	67E-6 kg m ²
Start-up torque, 20 °C	8 Ncm
Concentricity tolerance	± 0.05 mm
Mass, typically	0.7 kg

Environmental conditions

Vibration	DIN EN 60068-2-6
- Specific value	≤ 100 m/s ²
- Sine	50...2000 Hz
Shock	DIN EN 60068-2-27
- Specific value	≤ 1000 m/s ²
- Half sine	11 ms
Immunity to disturbance	DIN EN 61000-6-2
Transient emissions	DIN EN 61000-6-3
Working temperature	
- Standard	-20...+75 °C
- Optional	-40...+75 °C;

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Environmental conditions continuation

Storage temperature, dry	-30...+85 °C
Relative humidity	98 %, non condensing
Protection class - Standard	IP54

Subject to change.

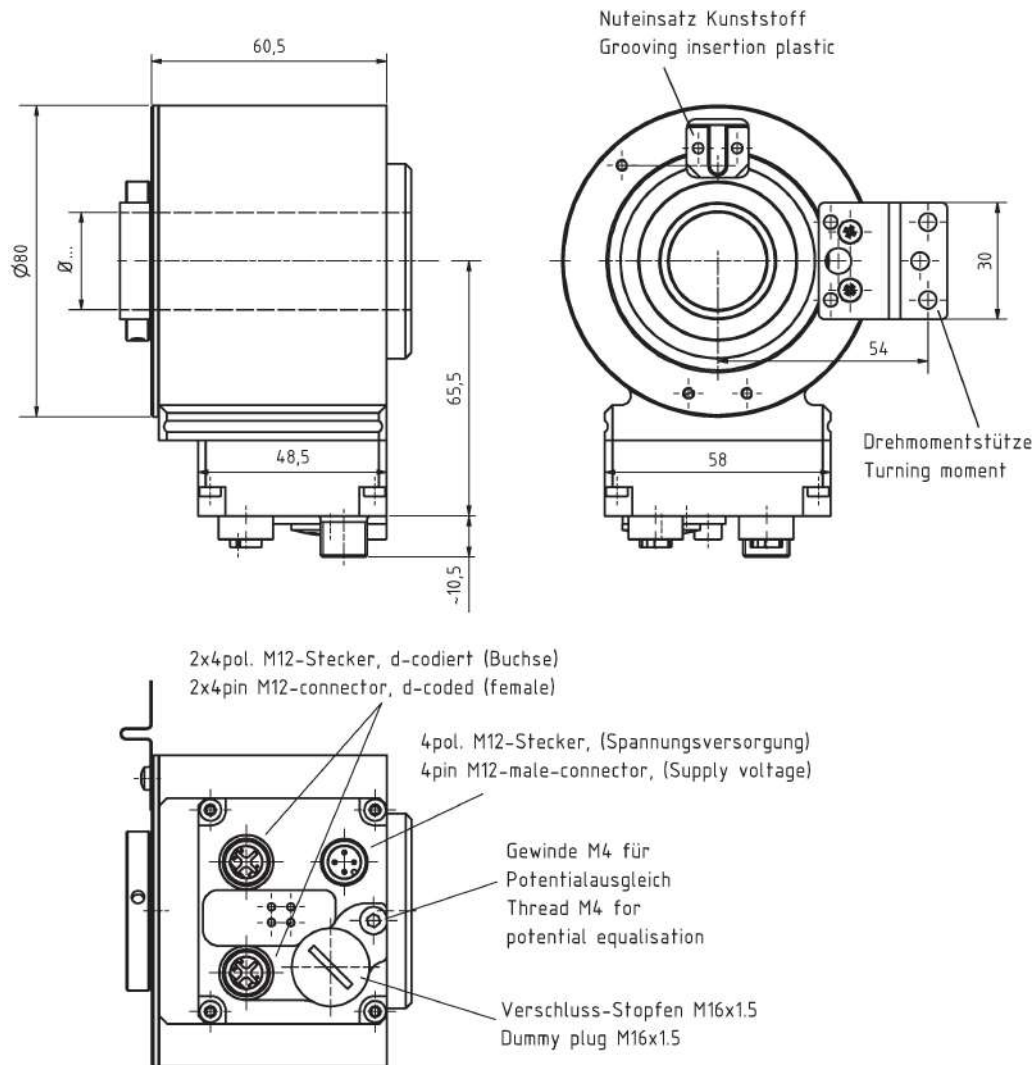
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Dimensional drawing



Fehlende Abmaße bzw. abweichendes Design, siehe Art.-Nr. bezogene Zeichnung /
Missing dimensions or different design, see drawing related to the order number

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Suggested products

CEH802M*8192/4096 EIP NTS 20H7 KRF	CEH802M-00002
CEH802M*8192/4096 EIP NTS 16H7 KRF	CEH802M-00005
CEH802M*8192/4096 EIP NTS 25H7 KRF	CEH802M-00006
CEH802M*8192/4096 EIP NTS 14H7NUT KRF	CEH802M-00007

Subject to change.