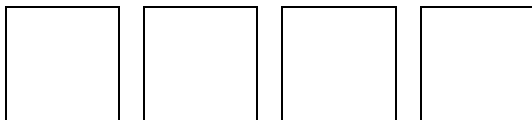


Incremental-Encoder IEH 80

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 Germany



- Incremental-interface
- Type with hollow through shaft
- Number of pulses per revolution 1024, 2000, 2500
- Shaft diameter 44 mm

6.1

Characteristics

Supply voltage.....	11 ... 27 VDC, 5 ... 30 VDC
Current consumption without load	≤ 40 mA
Number of pulses per revolution	1024, 2000, 2500
Outputs, 5 ... 30 VDC	
- Incremental signals.....	K1, K1 neg, K2, K2 neg
- Zero pulse.....	K0, K0 neg, 1 pulse per revolution
- Output frequency.....	≤ 100 kHz
- Supply voltage.....	5 ... 30 VDC
Outputs, 5 VDC	
- Incremental signals.....	K1, K1 neg, K2, K2 neg
- Zero pulse.....	K0, K0 neg, 1 pulse per revolution
- Output frequency.....	≤ 100 kHz
- Supply voltage.....	11 ... 27 VDC
Mechanically permissible speed	≤ 1.500 min ⁻¹
Shaft load.....	own mass
Bearing life time	≥ 5,0 * 10 ⁹ revolutions
Shaft diameter in mm	44H7
Moment of inertia	≤ 500 * 10 ⁻⁶ kg m ²
Start-up torque at 25°C	≤ 12 Nm
Mass.....	typically 0,3 kg
Connection	radial cable outlet 1 m

Environmental conditions

Vibration, DIN EN 60068-2-6: 1996.....	≤ 100 m/s ² , sine 10-2000 Hz
Shock, DIN EN 60068-2-27: 1995.....	≤ 200 m/s ² , half-sine 11 ms
Working temperature.....	-10 °C ... +100 °C
Storage temperature.....	-30 °C ... +100 °C, dry
Relative humidity, DIN EN 60068-3-4: 2002.....	98 %, non condensing
Protection class, DIN EN 60529: 1991.....	IP 65
EMC.....	EN 61000-6-2: 2002, EN 61000-6-4: 2002

Order Information

No. of pulses per revolution	Supply voltage	Output level	Order No.
1024	5 ... 30 VDC	5 ... 30 VDC	IEH80-00004
1024	11 ... 27 VDC	5 VDC	IEH80-00005
2000	5 ... 30 VDC	5 ... 30 VDC	IEH80-00003
2000	11 ... 27 VDC	5 VDC	IEH80-00006
2500	11 ... 27 VDC	5 VDC	IEH80-00001
2500	5 ... 30 VDC	5 ... 30 VDC	IEH80-00002

Dimension drawing

