

INCREMENTAL ENCODER MyInc

EINH80

- Industry Standard Size Ø 80 mm
- IP 65 Protection, Option IP67
- 5 to 30 Volts, RS 422 Compatible
- <300 kHz Maximum Frequency
- Resolutions up to 8192 cpt



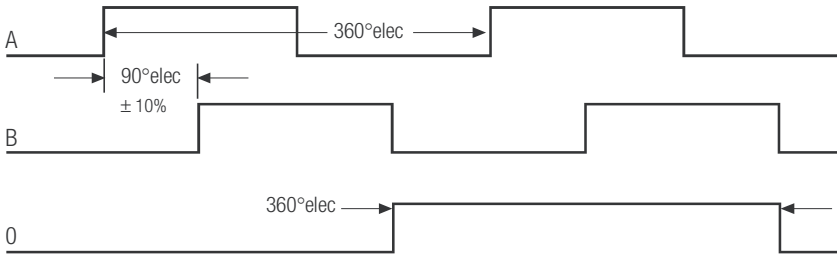
Electrical Specifications

Supply Voltage	5-30 VDC, 5 VDC
Current Consumption	<60 mA (24 VDC)
Output Circuit	Push-Pull, RS 422A (line driver)
Impulse Frequency	<300 kHz (max.)
Logic Level (high)	Vcc - 0.7 Volt
Logic Level (low)	0.25 Volt (max.)
Short Circuit Protection	100 %

Mechanical Specifications

Cover	Aluminium
Body	Aluminium
Shaft	Stainless steel
Speed	10000 RPM (max.)
Torque	< 0.025 Nm (IP 67)
Loading	Axial 140 N, Radial 240 N
Protection	IP 65, Option IP 67
Temperature	-20 °C . . . +85 °C
Weight	500 g

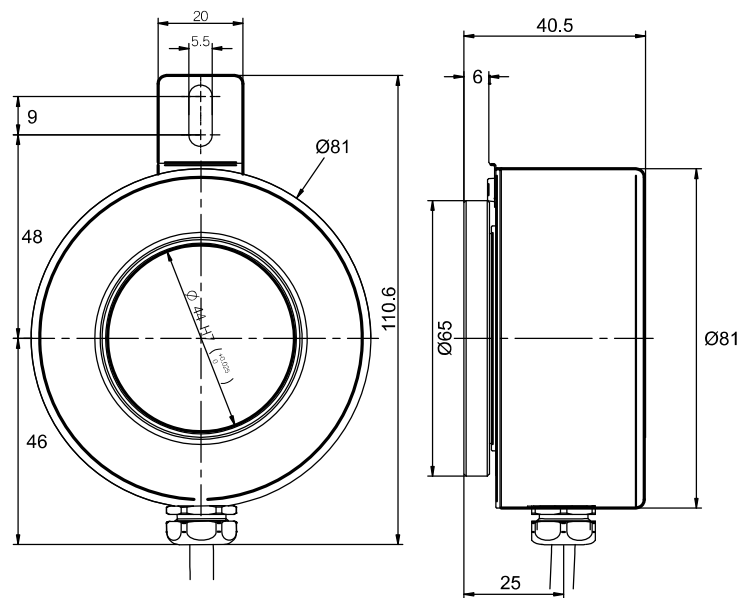
Output Signals



A Leads B in the CW Direction (facing shaft)
Complimentary channel also available



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Connections

Function	Cable Colours, 3R
0 Volt	brown
+ Volt	white
A	green
B	yellow
0	grey
$\overline{A}$	red
$\overline{B}$	pink
$\overline{0}$	blue

ORDERING CODE

EINH80	Shaft Ø	Output Circuit	Output Signals	Connection	Resolution
	38 = 38 mm 40 = 40 mm 42 = 42 mm 44 = 44 mm	A5 = Push Pull 4.75 to 30 VDC A2 = Line Driver 5 VDC, RS 422 A9 = 8-30 VDC Line Driver 5 VDC, RS422	9 = A+B+0+Compliments	3R = shielded cable, 2 m, radial output	1024, 2000, 2048, 4000, 4096, 8000, 8192