



MAIN FEATURES

Ø 88 mm through hollow shaft encoder designed for middle size asyncronous motors.

- · 3 channel encoder (A / B / Z) up to 2500 ppr
- Power supply up to +28 V DC with several electrical interfaces available
- · Up to 105 kHz output frequency
- · Cable output, connectors available on cable end
- · Sturdy mechanic
- · 25 or 30 mm bore diameter, others on request
- · Shaft fixing with grub screws







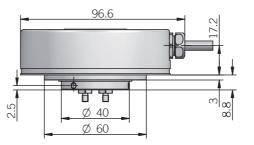


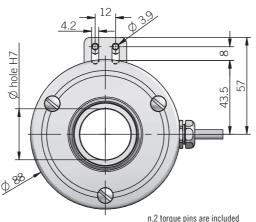
ORDERING CODE	EH	88P	1024	S	5/28	P	30	S	3	PR	. XXX
	(mo refer to th	RES . EH) max pd. EL) max e available v (wit	SOLUTION ppr 2500 ppr 2048 pulses list ZEF without zer with zer h L electrical interface	o pulse Z POWEF Il interface) 8 24 V 5 28 V ELEC N ply 5/28V	/ DC 8/24 / DC 5/28 TRICAL IN PN open c pt lini - output R	ITERFACE ollector C ish-pull P ie driver L S-422 RS SHAFT I	DIAMETER mm 25 mm 30 r diameters ENCLOSUR MA	E RATING IP 65 S AX ROTATIO	00 rpm 3 OUTI lard length		
											VARIANT



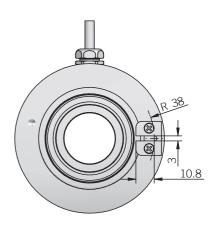
custom version XXX

n.3 M4 120° L9 M4





OPTIONAL TORQUE STOP SLOT





for torque stop slot and torque pin please refer to Accessories

recommended mating shaft tolerance g6 dimensions in mm

ELECTRICAL SPECIFICATIONS

Resolution	from 250 to 2500 ppr (EH series) from 2 to 2048 ppr (EL series)			
Power supply ¹	$5 = 4,5 \dots 5,5 \text{ V DC}$ $5/28 = 4,75 \dots 29,4 \text{ V DC}$ $8/24 = 7,6 \dots 25,2$ (reverse polarity protection)			
Current consumption without load	100 mA max			
Max load current	C/P = 50 mA/channel L/RS = 20 mA/channel			
Electrical interface ²	NPN open collector (pullup max +30V DC) push-pull / line driver HTL (AEIC-7272) line driver RS-422 (AEIT-5000 or similar)			
Max output frequency	105 kHz			
Counting direction	A leads B clockwise (shaft view)			
Electromagnetic compatibility	according to 2014/30/EU directive			
RoHS	according to 2011/65/EU directive			
UL / CSA	certificate n. E212495			

CONNECTIONS

Function	Cable C / P	Cable L / RS
+V DC	red	red
0 V	black	black
A+	green	green
A-	/	brown or grey
B+	yellow	yellow
B-	/	orange
Z+	blue	blue
Z-	/	white
÷	shield	shield

MECHANICAL SPECIFICATIONS

ø 25/30 mm			
IP 65 (IEC 60529)			
3000 rpm			
50 G, 11 ms (IEC 60068-2-27)			
20 G, 10 2000 Hz (IEC 60068-2-6)			
45 x 10 ⁻⁶ kgm ² (10,68 x 10 ⁻⁴ lbft ²)			
< 0,1 Nm (14,16 Ozin)			
EN-AW 2011 aluminum			
1.4305 / AISI 303 stainless steel			
EN-AW 2011 aluminum			
n.2 ball bearings			
10 ⁹ revolutions			
-10° +70°C (+14° +158°F)			
-25° +85°C (-13° +185°F)			
350 g (12,35 oz)			

¹ as measured at the transducer without cable influences

EH SERIES RESOLUTIONS

250 - 256 - 500 - **512** - 700 - 720 - **1000** - **1024** - 1440 - 2500

EL SERIES RESOLUTIONS

2 - 5 - 90 - 100 - 200 - **360** - 400 - 600 - 900 - **2000** - 2048

please directly contact our offices for other pulses, preferred resolutions in bold



 $^{^{\}rm 2}$ for further details refer to OUTPUT LEVELS on TECHNICAL BASICS section

 $^{^{\}scriptscriptstyle 3}$ measured on the transducer flange

⁴ condensation not allowed