

PRODUCT INFORMATION PACKET



Model No: 93081-1
Catalog No: 93081-1
B-93081-1 ENCODER/ECN113/528100-53

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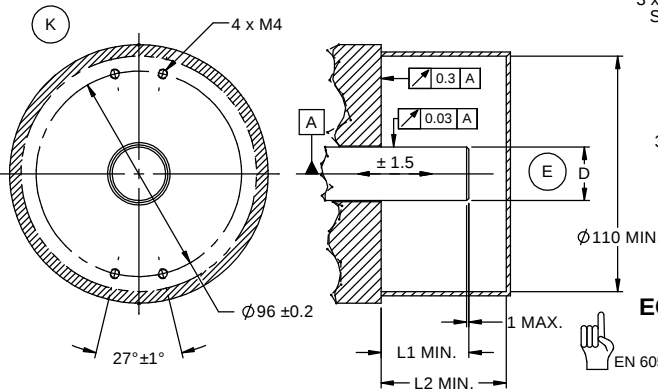


Nameplate Specifications

Technical Specifications

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ROTARY ENCODERS WITH MOUNTED STATOR COUPLING.
HOLLOW THROUGH SHAFT UP TO Ø50mm.



D	MODEL	L1	L2	L3	L4	L5	L6	L7
Ø20h7	ERN	46	48.5	45	37	32.5	32	26.5
	ECN	41	43.5	40	32	26.5		
Ø25h7	ERN	46	48.5	45	37	32.5	32	26.5
	ECN	41	43.5	40	32	26.5		
Ø38h7	ERN	56	58.5	55	46	42.5	47	41.5
	ECN				47	41.5		
Ø50h7	ERN	56	58.5	55	46	42.5	47	41.5
	ECN				47	41.5		

SCREWDRIVER ADJUSTABLE TORQUE

0.2 Nm TO 1 Nm	ID. Nr. 350379-01
0.5 Nm TO 5 Nm	ID. Nr. 350379-02



OUTPUT CONNECTION		H
A	FLANGE SOCKET M23 RADIAL	
B	CABLE 1M w/o M23	
C	CABLE 1M WITH M23	
D	CABLE 5M w/o M23	
E	CABLE 5M WITH M23	

A	1000 PPR	
B	1024 PPR	
C	2048 PPR	
D	2500 PPR	
E	3600 PPR	
F	5000 PPR	

A	20 mm	
B	25 mm	
C	38 mm	
D	50 mm	

1	ECN 125	
2	ECN 113	
3	ECN SSI 113	
4	ERN 120	
5	ERN 130	
6	ERN 180	

INADEQUATE CLEARANCE FOR HEX HEAD SCREWS. USE ONLY SOCKET HEAD CAP SCREWS TO ATTATCH TETHER TO MOTOR.

REFER TO VENDOR CATALOG BEFORE CREATING NEW PART
- - NOT ALL COMBINATIONS EXIST - -

DASH	DATE ADDED	ITEM REV.	ENGINEERING CODE	VENDOR PART NO.	SHAFT	PPR
1	10-11-2012	0	2 - B - C - C	528100-53	Ø25mm	2048
2	01-14-2013		2 - B - C - A		Ø25mm	2048

Technical drawing of the 3000 Series 3-Phase Motor, showing front and side views with dimensions.

Front View Dimensions:

- Overall diameter: $\varnothing 87 \pm 0.1$
- Flange diameter: 34
- Flange thickness: 3
- Flange hole diameter: $3 \times 120^\circ$ SW3
- Motor body diameter: 104
- Motor body height: 43.50
- Motor body flange diameter: 39
- Motor body flange thickness: 14°
- Motor body flange angle: 28°

Side View Dimensions:

- Overall height: $L3 \pm 0.6$
- Flange thickness: 2.7
- Flange hole diameter: (M)
- Motor body flange diameter: 7
- Motor body flange thickness: 7
- Motor body flange angle: 14°
- Motor body flange angle: 28°
- Motor body diameter: $\varnothing 6$
- Motor body height: 47 ± 1

MIN.

[illegible]

FOR HEIDENHAIN SHAFT COUPLING,
FOR ExN 100/400/1000 SHAFT CLAMPS,
FOR ERO SHAFT CLAMPS.

WIDTH ACROSS FLATS	LENGTH	ID. NUMBER
2 (BALL THREAD)	70 mm	350378-04
3 (BALL THREAD)		350378-06
1.5		350378-01
2		350378-03
2.5		350378-05
4		350378-07
TX8	89 mm 152 mm	350378-11 350378-12

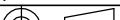
TOLERANCING ISO 8015
ISO 2768 - m H
CABLE RADIAL, ALSO USABLE AXIALLY

[A] = BALL BEARING

(K) = REQUIRED MATING DIMENSIONS

(M) = MEASURING POINT FOR OPERATING TEMPERATURE

 DIRECTION OF SHAFT ROTATION FOR OUTPUT SIGNALS IS DESCRIBED IN INTERFACE DESCRIPTION.

						TOLERANCES UNLESS SPECIFIED		 Regal-Beloit Corporation		DRAWN JJB 10-11-2012	
				DEC INCHES						CHK MH 10-12-2012	
				XX -						APPR DJK 10-12-2012	
				XX -		TITLE ENCODER				SCALE 7:16	
				XXX -		HEIDENHAIN - ECN 113				REF	
1		AD'D USE CAP SCREWS ONLY NOTE ECO-0032766		DRO 04-19-2013		XXX -		MATL		FMF MU113014	
NO		REVISION		BY & DATE		CHK JANG -		FINISH		PAGE OF	
		THIRD ANGLE PROJECTION 				RFP 10-12-2012		PREV		SIZE B	
						NETWORK FILE NAME 93081				DRAWING NO 93081	
										REV 1	