

Size 21 HaroMax

Harowe™ brand

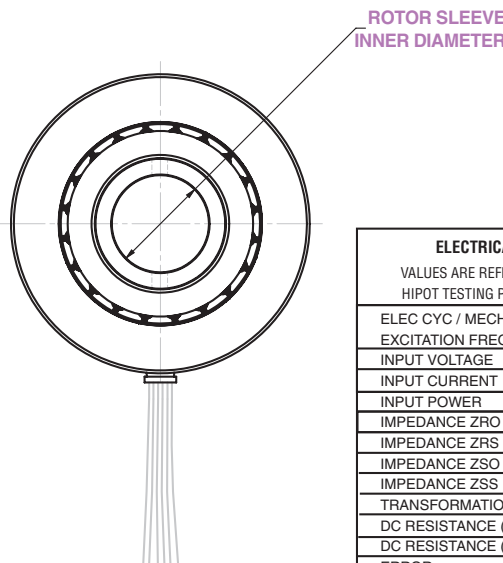
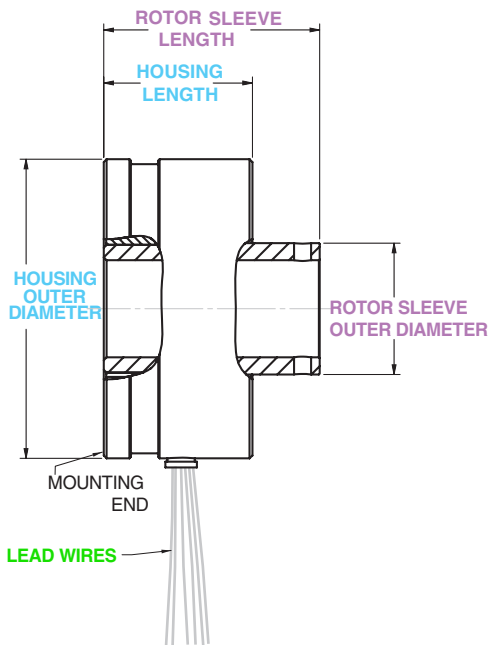
Heavy Duty Brushless Resolvers

Key Features

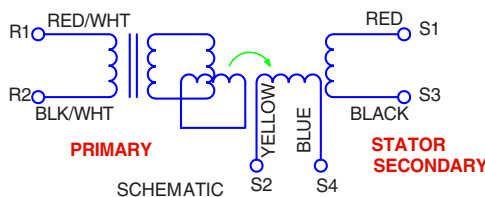
- Frameless size 21 Servo Mounting
- Anodized Aluminum Housing with Low Mass
- Machine Wound Stator for High Accuracy

Provides absolute position and/or velocity feedback for brushless motors, robots, servos, precision rotary platforms and many other applications where high temperature, shock and vibration are a problem for less robust feedback products.

Because of its simple transformer design and lack of any on-board electronics, the resolver is a sensible choice for many aerospace, military, steel and paper mills and radioactive applications where reliable performance is required.



PHASING



ELECTRICAL & MECHANICAL DATA AT 25°C	
VALUES ARE REFERENCE UNLESS OTHERWISE TOLERANCED	
HIPOT TESTING PERFORMED AT 60HZ, 4 SECOND DURATION	
ELEC CYC / MECH CYC	deg/deg
EXCITATION FREQUENCY	±1% kHz
INPUT VOLTAGE	±5% V rms
INPUT CURRENT	Max. mA rms
INPUT POWER	Watts
IMPEDANCE ZRO	Ohms
IMPEDANCE ZRS	Ohms
IMPEDANCE ZSO	Ohms
IMPEDANCE ZSS	Ohms
TRANSFORMATION RATIO	Min. to Max.
DC RESISTANCE (R1-R2)	Ohms
DC RESISTANCE (S1-S3, S2-S4))	Ohms
ERROR	±Max. arcminutes
PK-PK POSITION ERROR	Max. arcminutes
PK-PK VELOCITY ERROR	Max. %
PHASE SHIFT, OPEN CIRCUIT	degrees
NULL VOLTAGE	Max. mV rms
HIPOT, LEADS TO CASE, 500VAC	Max. mA rms
HIPOT, INTERPHASE, 250AC	Max. mA rms
TEMPERATURE RANGE	°C
WEIGHT	oz
CONTINUOUS SPEED	Max. kRPM

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21BRX - **700** - **B** **42** **B** **A**

FAMILY TYPE	
21BRX	1.5 inch OD - Rotor Primary

Code	HOUSING MOUNT - MATERIAL - LENGTH - PILOT
700	Single Servo Groove - Aluminum - 1.02 inch long - 2.06 inch
701	Single Servo Groove - Aluminum - 26.06 mm - 50.77 mm
702	Double Servo Groove - Aluminum - 1.02 inch - 2.06 inch
704	No Servo Groove - Aluminum - 25.8 mm - 52.37 mm
705	Single Servo Groove - Aluminum - 26.46 mm - 50.77 mm
708	Flange - Aluminum - 1.02 inch - 1.968 inch
709	Flange -Aluminum - 26 mm - 55 mm

Input Excitation						
Code	Vrms	KHz	mA	TR	Speed	Accuracy
B	2	10	46	1.00	1	18 arcmin Spread
C	6	7.5	25	0.33	1	+/- 12 arcmin
D	8	8	46	0.50	1	18 arcmin Spread
E	6	6	28	0.31	1	24 arcmin Spread
F	4	5	27	0.50	1	20 arcmin Spread
H	4	4	55	0.45	1	20 arcmin Spread
J	7	10	40	0.50	1	20 arcmin Spread

Code	BORE	LENGTH
3	0.8	26 mm
6	0.67	1.02
11	0.67	1.49
14	5.6 mm	26 mm
20	0.79	1.02
23	12mm	26.06 mm
42	0.5	1.06
84	0.59	1.26
110	0.5	1.06

Code	LEADS - CABLES - SPECIAL FEATURES
B	28AWG Flying Leads
E	26 AWG Flying Leads
F	28AWG Cable - 3 Twisted pairs w/Drain
J	24AWG Cable - 3 Twisted Pairs
K	22AWG Cable - 4 Twisted & Shielded Pairs
S	29 AWG Silflex Flying Leads

Code	LEADS/CABLE LENGTH
A	12 inches long
B	16 inches long
C	24 inches long
D	60 inches long
E	80 inches long
F	120 inches long

Please contact Customer Service for any options or features that are not available in the above Configurator.



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