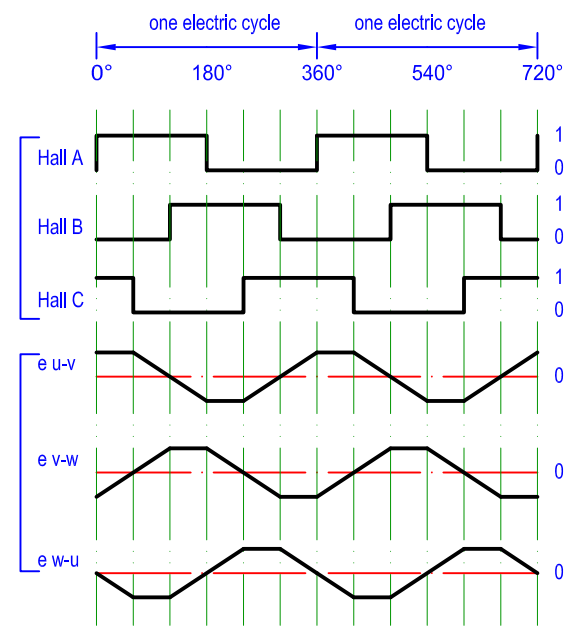
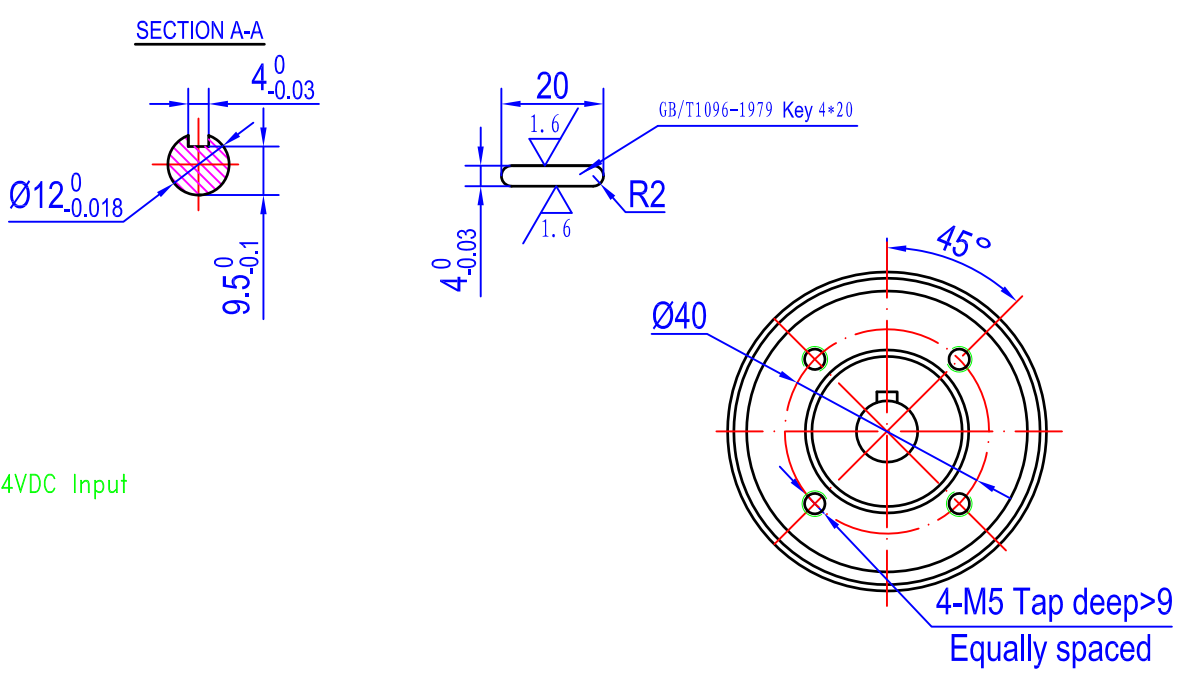


female connector C091 31S008 100 2 (see C091D SPEC.pdf)

Female cable connector C091 31D008 101 2 see C091D SPEC.PDF

CUSTOMER PREPARE OR ORDER FROM US

ITEM	BRUSHLESS MOTOR	
RATED VOLTAGE	24 VDC	
RATED CURRENT	≤2.2 Amp	
STARTING CURRENT	14 Amp	
OUTPUT POWER	23 W	
STALL TORQUE	60 N.m	
RATED SPEED	1800 RPM	
RATED TORQUE	29 N.M	
EFFICIENCY	≥50%	
ENVIRONMENT	TEMPERATURE	-40 to +60 °C
	HUMIDITY	90 PERCENT
PROTECTED LEVEL	IP 55	
INSULATION CLASS	CLASS B	
Hall Sensors		
MODEL OF HALL	SS41F(HONEYWELL)	
No. OF HALL	3	
No. OF POLE PAIRS(PULSES/HALL)	3	
HALL SIGNAL	Open Collector	

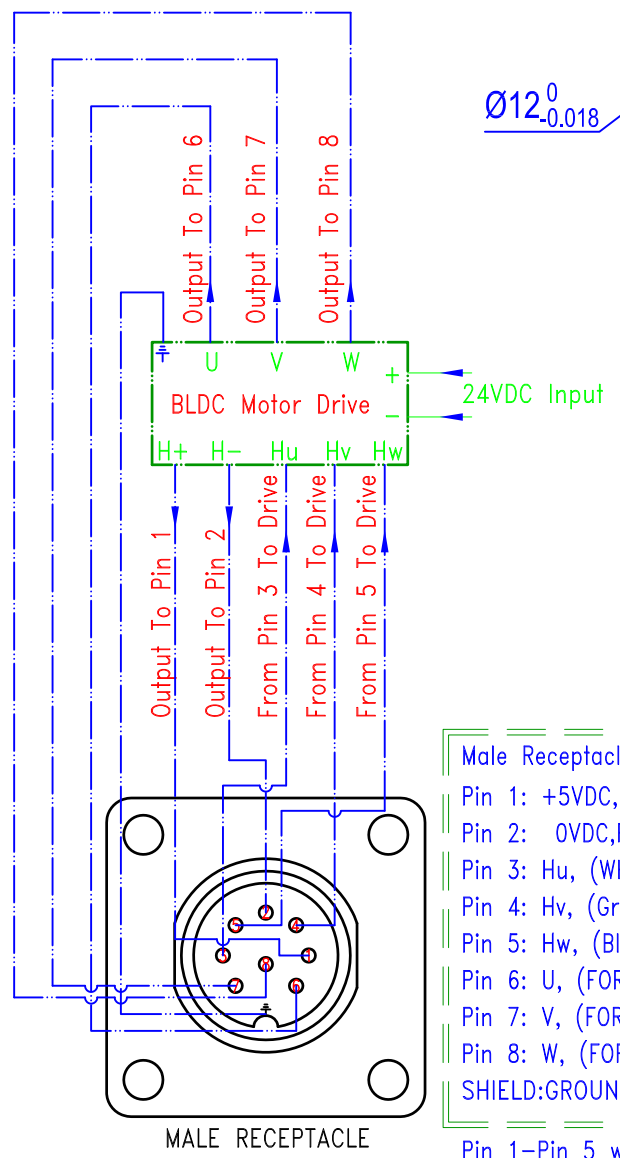


Electrical sensor phasings of 120°

order	Hall Input			Phasing current		
	A	B	C	U	V	W
I	1	0	1	DC+	DC-	-
II	1	0	0	DC+	-	DC-
III	1	1	0	-	DC+	DC-
IV	0	1	0	DC-	DC+	-
V	0	1	1	DC-	-	DC+
VI	0	0	1	-	DC-	DC+

Electrical sensor phasings of 120°

order	Hall Input			Phasing current		
	A	B	C	U	V	W
I	0	0	1	-	DC+	DC-
II	0	1	1	DC+	-	DC-
III	0	1	0	DC+	DC-	-
IV	1	1	0	-	DC-	DC+
V	1	0	0	DC-	-	DC+
VI	1	0	1	DC-	DC+	-



Male Receptacle Electric Connection:

- Pin 1: +5VDC, POWER FOR HALL (Red wire inside), From Drive(5-24V,decided by drive)
- Pin 2: 0VDC, POWER FOR HALL (black wire inside), From Drive
- Pin 3: Hu, (White wire inside), 0-5V pulse, Output to drive(Max. value near Pin 1)
- Pin 4: Hv, (Green wire inside), 0-5V pulse, Output to drive(Max. value near Pin 1)
- Pin 5: Hw, (Blue wire inside), 0-5V pulse, Output to drive(Max. value near Pin 1)
- Pin 6: U, (FOR MOTOR POWER SUPPLY), (Yellow wire inside), 24VAC(approximate), Input From Drive
- Pin 7: V, (FOR MOTOR POWER SUPPLY), (Brown wire inside), 24VAC(approximate), Input From Drive
- Pin 8: W, (FOR MOTOR POWER SUPPLY), (Purple wire inside), 24VAC(approximate), Input From Drive

SHIELD:GROUND  
 Pin 1-Pin 5 wire gage size: AWG26  
 Pin 6-Pin 8 wire gage size: AWG22  
 Pin current rating: 5A/+40%

DESIGNED BY			<b>KMI GROUP</b>	
CHECKED BY			WWW.KINEMATICS MFG.COM	
APPROVED BY			<b>BRUSHLESS DC MOTOR WITH HALL</b>	
ALL PROPRIETARY RIGHTS IN THE SUBJECT MATTER HEREOF ARE RESERVED, AND NO PERMISSION IS GRANTED TO REPRODUCE THIS PRINT IN WHOLE OR IN PART, OR TO DISCLOSE ANY OF THE INFORMATION TO OTHERS.		WEIGHT	SCALE	<b>24LH-1800-236-29-K-40</b>
			1:1.5	
SYMBOL ISO	SIZE	A3	SHEET	<b>REV</b>
			THE TOLERANCE NOT MENTIONED IS REFERRED TO ISO 2768-vL.	