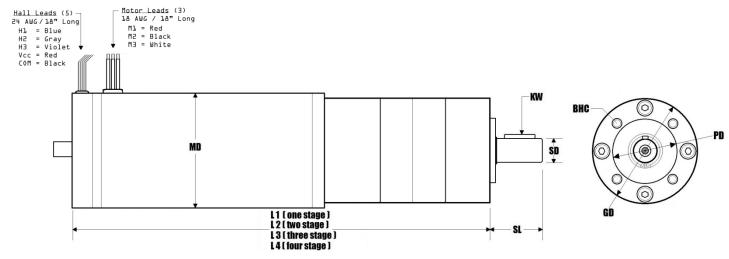


Model Number:

MMP BL58-487F-48V GP52-014



DIMENSIONS:	NOTE: OPTICAL ENCODER & INTEGRAL BRAKE OPTIONS AVAILABLE - SEE ADDITIONAL PAGES FOR DETAILS			
MD = 2.25" (57mm)	SL = 25mm (21mm usable)	Note: Center o	f output shaft contains	an M-4 threaded hole
GD = 2.05" (52mm)	SD = 0.472" (12mm)	BHC (dia) = 40 mmØ (4 ea) M5 x 10 mm deep		
L2 = 8.27" (210mm)	$KW = 2mm(H) \times 4mm(W) \times 16mm(L)$	PD = 32mm, pilot length = 3mm		
PLANETARY GEARMOTOR OUTPUT PARAMETERS:		VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)		13.73:1		
Gearhead Shaft Output Speed (at full-load)		306	RPM	MAX
Gearmotor Rated Continuous Torque		97	In-Lbs	MAX
Gearmotor Rated Peak Torque		212++	In-Lbs	
Gearhead Standard Backlash		45	Arc Minutes	MAX
Gearhead Efficiency		75%		
Output Shaft Radial Load Capacity		72	Lbs	MAX
Output Shaft Axial Load Capacity		22	Lbs	MAX
Gearmotor Total Weight		4.2	Lbs	MAX

++ All Peak Torque values are dependent upon duty. Contact our sales office for details.

DC MOTOR PERFORMANCE PARAMETERS:	VALUE	UNITS	TOLERANCE
Rated DC Voltage	48	DC VOLTS	
Rated Continuous Current	11.2	AMPERES	
No-Load Speed	4800	RPM	MAX
Rated Speed	4200	RPM	+/- 15%
Rated Continuous Power Out	469	WATTS	+/- 15%
Rated Continuous Torque	151	OZ-IN	
Peak Torque (motor only) ++	500	OZ-IN	
No-Load Current	0.33	AMPERES	MAX
Back EMF Constant (Ke)	10.0	V/KRPM	+/- 10%
Torque Constant (Kt)	13.5	OZ-IN/AMP	+/- 10%
DC Armature Resistance	0.71	OHMS	+/- 15%
Armature Inductance	0.93	mH	+/- 15%
Armature temperature	155	DEG. C	MAX

MIDWEST MOTION PRODUCTS

DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT

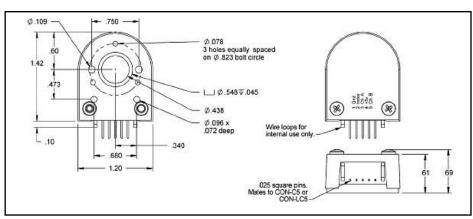
10761 Ahern Avenue SE Watertown, MN 55388 Phone: 952-955-2626 Fax: 480-247-4096

www.midwestmotion.com email: sales@midwestmotion.com



Option1: Optical Encoder Option

Contact sales for pricing



EU Series Interconnects/Functions				
Pin #:	Function:	Color:		
1	Ground	Brown		
2	Index	Violet		
3	Channel A	Blue		
4	+5 Volts	Orange		
5	Channel B	Yellow		

*Resolutions available from stock: 32 PPR, 100 PPR, 250 PPR, 500 PPR, 1024 PPR

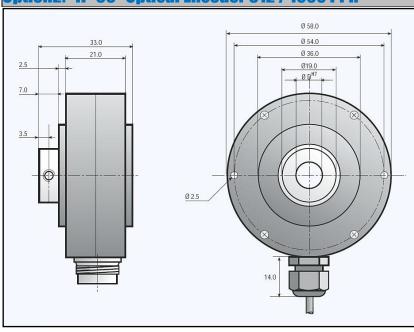
(Use suffix "EU-xxx" after model # to designate resolution)

Encoder is mounted integrally to the back of the motor or brake.

Includes an index pulse, and 12" long flying leads.

Option2: "IP-65" Optical Encoder 512 / 1000 PPR

Contact sales for pricing



EI Series Interconnects/Functions				
Function:	Color:			
0 Volts	White			
+ Volts	Brown			
Α	Green			
В	Yellow			
0	Grey			
A-	Pink			
B-	Blue			
0-	Red			

Features:

- IP-65 rated protection for harsh environments
- Index pulse
- Complementary output signals
- 6 ft long cable
- 512 or 1000 PPR Resolutions available from stock, others available.

Use Suffix "Ei-xxx" after model number to designate resolution.

Consult our sales office for additional information.

MIDWEST MOTION PRODUCTS

DESIGN. MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT

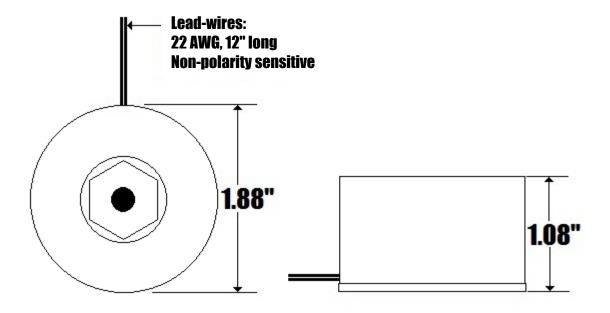
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Option 3: Integral Brake Option

Contact sales for pricing



The MMP small frame gearmotors and motors are sufficiently served by a 5 in-lb brake, when used correctly. Typical (24v) brake current = 375 mA;

All brakes (12v, 24v, 36v, 48v, 90v & 115vac) are 9 Watt devices

Use suffix "BR-005" after model number to designate the brake and holding torque.

IMPORTANT NOTE: IF THE BRAKE IS TO BE ENERGIZED BY A VOLTAGE LEVEL OTHER THAN THE SPECIFIED OPERATING VOLTAGE OF THE MOTOR, PLEASE SPECIFY THE BRAKE OPERATING VOLTAGE SEPARATELY. IF NOT OTHERWISE NOTED, IT IS ASSUMED THE BRAKE'S COIL VOLTAGE WILL MATCH THE MOTOR VOLTAGE.

This part number suffix also identifies a "Failsafe" type brake. (engages in the ABSENCE of input power)

For a "Power ON" brake, or a brake that is engaged with POWER APPLIED, please specify suffix "BR-005n".

All brakes are integrally mounted to the back of the motor and equipped with mounting holes and a shaft extension for an encoder.

The rear surface of the standard brake can be made to serve as an encoder mounting surface. Please specify if both brake and encoder options are required.

*For additional details or assistance configuring the model number for brake and encoder options, please feel free to contact our sales offices.

MIDWEST MOTION PRODUCTS

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