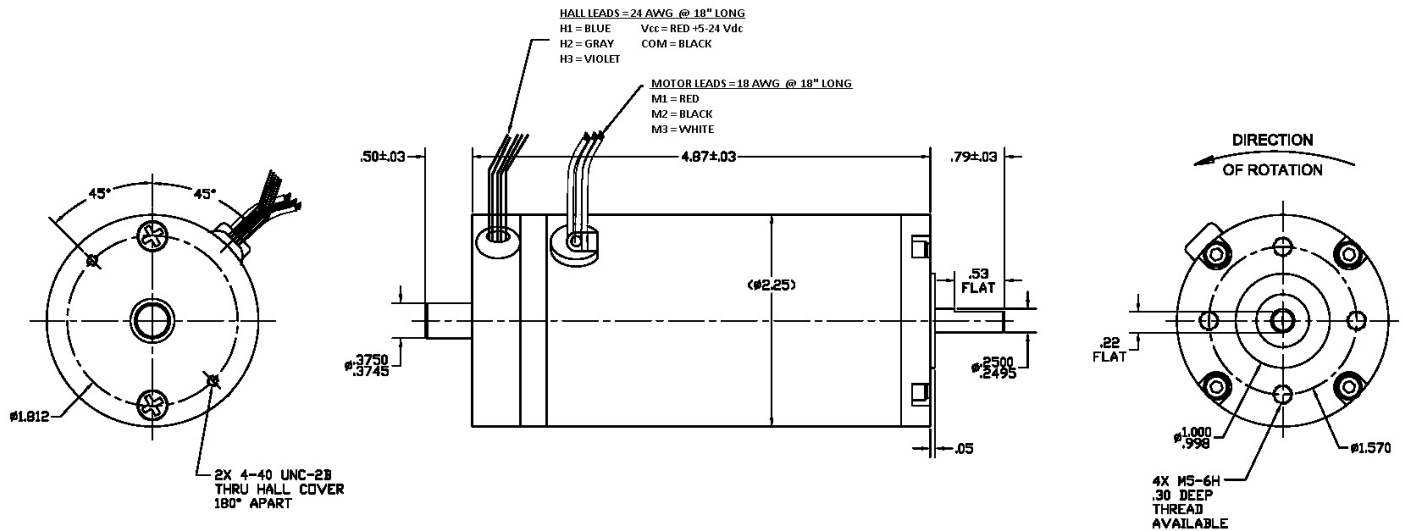




Model Number:  
**MMP BL58-487F-48V**



**INTEGRAL BRAKES AND OPTICAL ENCODER OPTIONS AVAILABLE - SEE ADDITIONAL PAGES FOR DETAILS.**

DC MOTOR PERFORMANCE PARAMETERS:	VALUE	UNITS	TOLERANCE
Rated DC Voltage	48.0	DC VOLTS	-----
Rated Continuous Current	8.3	AMPERES	-----
No-Load Speed	4800	RPM	MAX
Rated Speed	4200	RPM	+/- 15%
Rated Continuous Power out	348	WATTS	+/- 15%
Rated Continuous Torque	151.0	OZ-IN	-----
Peak Torque (motor only)	540	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%
L-L Resistance (Ra)	0.71	Ohm	REF.
Inductance	0.93	mH	+/- 15%
Armature temperature	155	DEG. C	MAX

**++ All Peak Torque Values are dependent upon duty. Consult our Sales Offices for details.**

**MIDWEST MOTION PRODUCTS**

**DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT**

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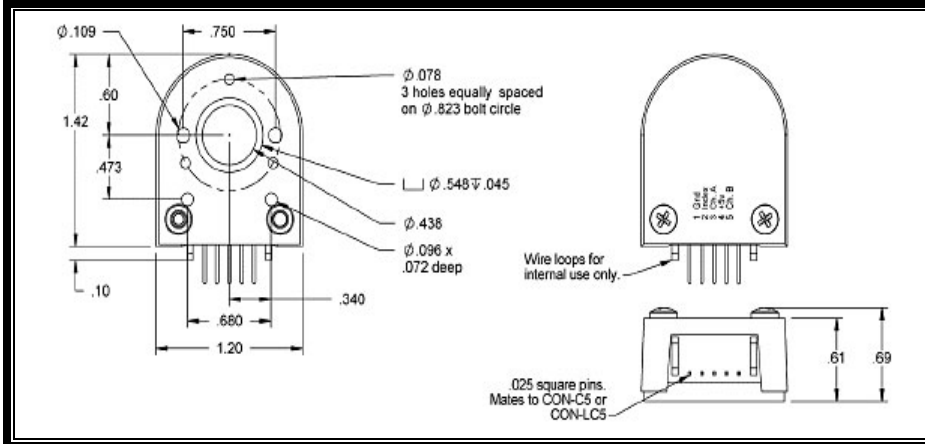
Phone: 952-955-2626 Fax: 480-247-4096

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



## Option 1: Optical Encoder

Consult our Sales Office for Current Pricing



### Interconnects / Functions

Pin Number	Function	Color
Pin 1	Ground	Brown
Pin 2	Index	Violet
Pin 3	Channel A	Blue
Pin 4	+ 5 Volts	Orange
Pin 5	Channel B	Yellow

**\*\*Encoder resolutions available: 32 PPR, 100 PPR, 250 PPR, 500 PPR, 1024 PPR**

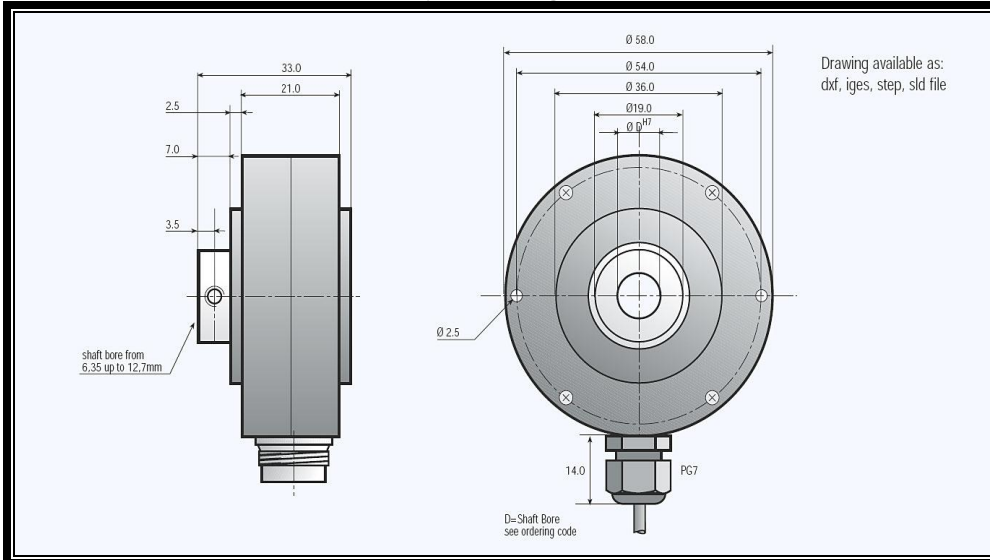
(Use suffix "EU-xxx" after model # to designate the encoder and its resolution)

The standard modular encoder option, mounted integrally to the back of the motor, includes an index pulse, and 12" long flying leads with connector - mounted and tested before shipping.

## Option 2: "IP-65" Optical Encoder, 512 or 1000 PPR

Consult our Sales Office for Pricing

Features index pulse, complementary output signals, IP-65 rated protection for harsh environments, 6 ft long cable.



### Ei-1000

#### Interconnects/Functions:

Function:	Wire Color
0 Volts	White
+ Volts	Brown
A	Green
B	Yellow
0	Grey
A-	Pink
B-	Blue
0-	Red

**\*\*Encoder Resolution 512 or 1000 PPR available from stock, but many other resolutions available.**

Consult our sales office for details. (Use Suffix "Ei-xxx" after model # to designate encoder and resolution)



### OPTION 3: INTEGRAL BRAKE OPTION

Consult our Sales Office for Current Pricing

This motor series is most sufficiently served by a 5 in-lb brake, when used correctly.

The standard brake/cover dimensions are as follows:

Typical dimensions 1.8" Diameter by 1.3" Long, with 24" leadwires

Typical (24V) brake current = 375 mA (12v, 24v, 36v and 48v Brakes are all 9 Watt devices)

Use suffix "BR-005" after model # to designate the brake and its' 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 THAT THE BRAKE'S COIL VOLTAGE WILL MATCH THAT OF THE MOTOR.

Please specify "**BR-005**" for standard "holding" brake (not to be used for dynamic braking)...

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

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

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

The rear surface of the standard brake doubles as an encoder mounting surface. Most MMP brake motors and gearmotors are designed to include encoder compatibility.

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

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