

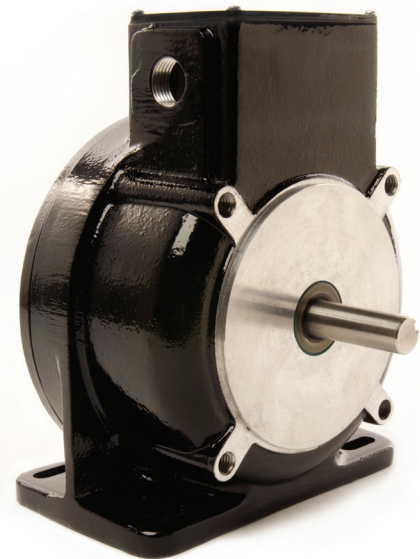
SERIES 60P

Dynapar™ brand

Heavy Duty Rotopulser®

Key Features

- Classic Mill-Duty Foot or Face Mount Design
- MS Connector or 1/2" Conduit Entry
- Unbreakable Code Disc
- NEMA 56 C-Face Housing with Feet
- Available with or without Purse Plugs



SPECIFICATIONS

STANDARD OPERATING CHARACTERISTICS

Code: Incremental, Optical

Resolution: 1 to 2500 PPR (pulses/revolution) See ordering information

Format: Two channel quadrature (AB) with optional index

Phase Sense: A leads B for CW rotation of the primary shaft

Minimum Free Path: Between any A and B transition (Distance D) will not be less than 12.5% of one full electrical cycle. This includes effects of jitter, phase and symmetry shifts.

ELECTRICAL

Power Requirements: 5 to 15 VDC max.

115 mA max. plus load requirements

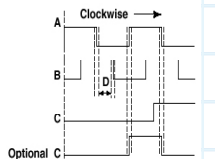
Output: TC1428 Differential Line Driver, 40 mA Sink/ Source

Frequency Response: 50 kHz

Mating Connector: 10- pin: style MS3106A- 18-1S, Dynapar Part No. MCN- N6

ELECTRICAL OUTPUT

Note: Signal C (Marker) is low for the first 180° of shaft rotation clockwise (as viewed from shaft end), and is high for the next 180°.



ELECTRICAL CONNECTIONS

Single-Ended Output

Function (If Used)	Cable #14002090010* 6 PIN Single-Ended		Twisted Pairs Cable #14004190010* 10 PIN Differential		Terminal Strip Connector No.
	Pin	Color	Pin	Color	
Signal A	B	RED	B	RED	1
Signal A̅	-	-	G	BLK	12
Signal B	D	BLU	D	BLU	3
Signal B̅	-	-	H	BLK	11
Signal C (Marker)	A	GRN	A	GRN	4
Signal C̅	-	-	I	BLK	10
+V	E	WHT	E	WHT	5
Common	C	BLK	C	BLK	2
Shield	F	SHIELD	F	SHIELD	6
Not Used	-	-	J	-	7, 8, 9

*This is a mating connector/cable assembly described in the Encoder Accessories section of this catalog. Color-coding information is provided here for reference.

Dual Isolated Output

Function (If Used)	Code 4 is K or L			Code 4 is M*	
	6 PIN Primary	10 PIN Primary	7 PIN Secondary	10 PIN Primary	10 PIN Secondary
Signal A	B	B	A	B	B
Signal A̅	-	G	C	G	G
Signal B	D	D	B	D	D
Signal B̅	-	H	E	H	H
Signal C	A	A	(No Marker)	-	(No Marker)
Signal C̅	-	I	(No Marker)	-	(No Marker)
Primary Power	E	E	D	E	E
Primary Common	C	C	F	C	C
Secondary Power	-	-	-	-	J
Secondary Common	-	-	-	-	I
Shield	F	F	G	F	F
Not Used	-	J	-	A,I,J	A

*To provide quick backup, jumper cable assembly pins E & J and C & I; then, if the primary output fails, move the connection from the primary to secondary connector.

MECHANICAL

Shaft Size: 5/8" nominal

Slew Speed: 3600 RPM

Shaft Diameter: 5/ 8"

Shaft Loading: Radial: 45 lbs. overhung;

Axial: 15 lbs.

Inertia: 285 gm- cm² max.

Typical Starting Torque: 15 oz- in

Bearings: Motor Duty Bearings

Housing and Cover: Aluminum

Shaft Material: Stainless Steel

Disc Material: Mylar

Weight: 10 lbs.

ENVIRONMENTAL

Operating Temperature: 0 to 54 °C

Humidity: Up to 98% (non-condensing)

Enclosure Rating: NEMA 12 / IP54;

NEMA 4 / IP66 with optional shaft seals

