KOLLMORGEN

A REGAL REXNORD BRAND



P80360 Stepper Drive

KOLLMORGEN	
Physical Sector 19	SERVICE INTERFACE
CEPSO VOS RES SOOKO	DBME TO USE MAINE BME TO USE MAINE (ND : DIGITAL IO
Chick B: M208UB 16 3 Alexand 2 DATA: 2 DATA:	3 M CONT V CONT 3 V VS3 4 V CONT 3 V VS3 4 M
AMPOLITEAN RESIDON Pin 1: Second Pin 2: Stock Resident RE(FTE)	CN7:STO 4 ETOS 3 ETOS 2 ETOS: TO DI SANDANONY 2 ETOS: 1 ETOS 1 ENOS 1 ETOS 1 ENOS 1
	CN4:ENCOOLER NPUT 3 -94 COUT 10 E.COD 0 INCOM 10 E.COD 1 INCOM 10 E.COD
Priver Suppr : 10505 - 340/103 WAC 1 Ph 10605 Hz Suppr Rold Commit : 3 Area Collan Mater Commit : 3 Area Collan Mater Commit : 3 Area (2 or 4 Present) Materium / Collan Mater Priver : 75000 Philingin Carport Mater Priver : 75000	
Open Type Equipment Maximum Surrounding Area 15.50 °C Thermal Protection 12.5 °C SCCR 15.64	
	CRE: AC BUPPLY 2 440 190 200 Val 1 460 190 200 Val
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Based on Kollmorgen's innovative P8000 platform, the P80360 stepper drive offers superior smoothness and accuracy for motors running on AC power at up to 3.0 A_{RMS} per phase. Features include closed-loop position control and full programmability for servo-like control. The P80360 drive is ideal for use in labelers, indexing tables, CNC machines, XYZ gantry systems such as 3D printers, packaging machines, medical lab equipment, pumps, and many other applications requiring simple point-to-point movements as well as linked motion sequences.

Minimize Errors with Closed-Loop Position Control

- Minimize scrap and the risk of equipment damage using encoder feedback to correct for position overshoot and undershoot errors.
- Compensate for compliance due to gearing, couplings and heavy or variable loads.
- Improve motor efficiency by drawing only the current necessary to move the load, saving energy and reducing dissipated heat.

Solve Difficult Motion Challenges with Full Programmability

- Create motion and linked motion sequences with ease via the intuitive graphical user interface and programming language, reducing overall setup time.
- Potentially eliminate the need for external PLCs or indexers for single-axis motion control, reducing overall system cost.

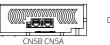
Reduce Setup Time

• Get your machine up and running faster with the Motor Wizard feature included in Kollmorgen Space software, requiring only input of the initial profile velocities and acceleration times when used with Kollmorgen motors.



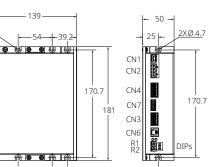
Toll Free Phone (877) SERV098 Toll Free Fax (877) SERV099 www.electromate.com sales@electromate.com

P80360 Stepper Drive



<u>6XØ4.</u>

Dimensions in mm.



CN1: Power Supply CN2: Motor Connections CN3: Digital I/O CN4: Feedback Connections CN5A/5B: Modbus RTU Interface CN6: Service SCI Interface CN7: STO Inputs (mandatory

> RoHS compliant



Electrical Data				
Phase Current	Arms (Apeak)	Up to 3.0(4.2)		
Power Supply	Vac	100 to 240, single phase only		
Mandatory Dual STO Inputs (isolated)	Vdc	24		
Chopper Frequency	kHz	40		
Characteristics				
Weight	800 g			
Closed Loop	Available (Position Loop Only)			
Protections	Over current, over/under voltage, overheating, short circuit			
Protection Class	IP20			

Protection class	IP20
Pollution Degree	2
Category	C3 following standard EN 61800-3
Temperatures	Working: 5 °C to 50 °C Storage: -25 °C to 55 °C Max. Chassis 75 °C
Humidity	5% to 85%, non-condensing

Interface Control Mode	
Fieldbus	Modbus RS485 RTU
Programmable	Programming and Real-Time Debugging
Software	Kollmorgen Space
Note: The Service SCI interface kit is required	for programming and available as additional accessory. Modbus RTU interface cables are not included.

Connection Mode	
Digital Inputs	4
Digital Outputs	3
Analog Inputs	N/A
Encoder Inputs	Incremental 5 V Differential (RS422) or 5 V Single-Ended (TTL/CMOS)

Note: Mating connectors are included with the drive.

Standard Combination

All motors with phase current up to $3.0 A_{RMS}$



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