

# PKS-PRO-E-005 - Servo System



FEATURES

- 170-253VAC Single-Phase Input Voltage
- Rated Torque of 22 oz-in
- Power Ratings up to 50 Watts
- 2,500 PPR Incremental Encoder
- Maximum Speed of 5000 RPM
- Enclosed and Self-Cooled
- MODBUS and CANopen Standard
- RS485 Interface
- Real Time Monitoring and Management
- Position, Speed, and Torque Control
- CE Certified



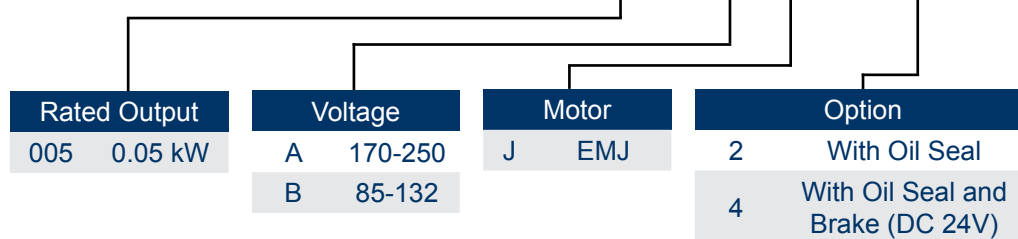
DESCRIPTION

The PKS-PRO-E-005 Servo System includes a 50 Watt EMJ AC Servo Motor operated by the PRONET-E Drive. These packages are ideal for quick and easy start-ups, convenience and performance! The Servo Motors included in these packages provide torque up to 22 oz-in. The PRONET-E Drives offer current forward-feedback control, speed viewer, and inertia viewer; providing for improved response performance. These drives operate standard with MODBUS and CANopen Protocol. Each system includes a 5m Motor Power Cable and 5m Encoder Cable.

Item	Rated Voltage (VAC)	Rated Speed (RPM)	Rated Torque (oz-in)	Rated Current (Arms)	Inertia (oz-in-sec <sup>2</sup> )	Torque Constant KT (oz-in/A)	Resistance (ohms)	Inductance (mH)	Brake (24VDC)	Motor Length (mm)	Shaft Diameter (mm)
PKS-PRO-E-005-A-JP22	170-253	3000	22	0.95	7.2222	0.244	12.5	11.06	No	83	8
PKS-PRO-E-005-A-JP24	170-253	3000	22	0.95	7.2222	0.244	12.5	11.06	Yes	117.5	8

ORDERING INFORMATION

## PKS-PRO-E-005-A-JP22



L011526

# EMJ-A5 Motor Specifications



## FEATURES

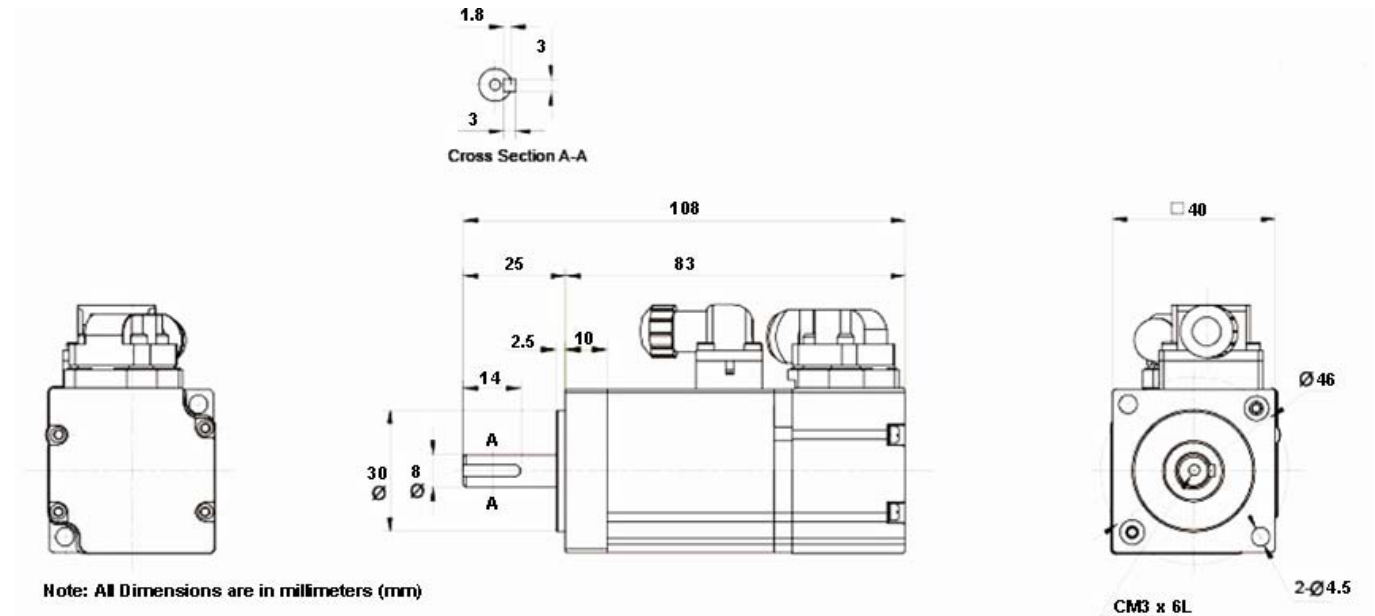
- 170-253VAC Single-Phase Input Voltage
- 50W Power Rating
- Rated Torque of 22 oz-in
- Maximum Speed of 5000 rpm
- 2500 PPR Incremental Encoder Attached
- Enclosed and Self-Cooled
- Oil Seal and Optional Brake
- MODBUS and CANopen Standard
- RS485 Interface
- Real Time Monitoring and Management
- Position, Speed, and Torque Control
- CE Certified



## SPECIFICATIONS

Item	Rated Torque (oz-in)	Rated Power (Watts)	Rated Speed (rpm)	Rated Current (Arms)	Inertia (oz-in-sec <sup>2</sup> )	Torque Constant KT (oz-in/A)	Resistance (ohms)	Inductance (mH)	Length (mm)	Weight (lbs)
EMJ-A5APA22	22	50	3000	0.95	0.00072	0.244	12.5	11.06	83	1.14
EMJ-A5APA24	22	50	3000	0.95	0.00073	0.244	12.5	11.06	117.5	4.41

## DIMENSIONS



Dimensions are in mm

# PRONET-E-A5A Driver Specifications

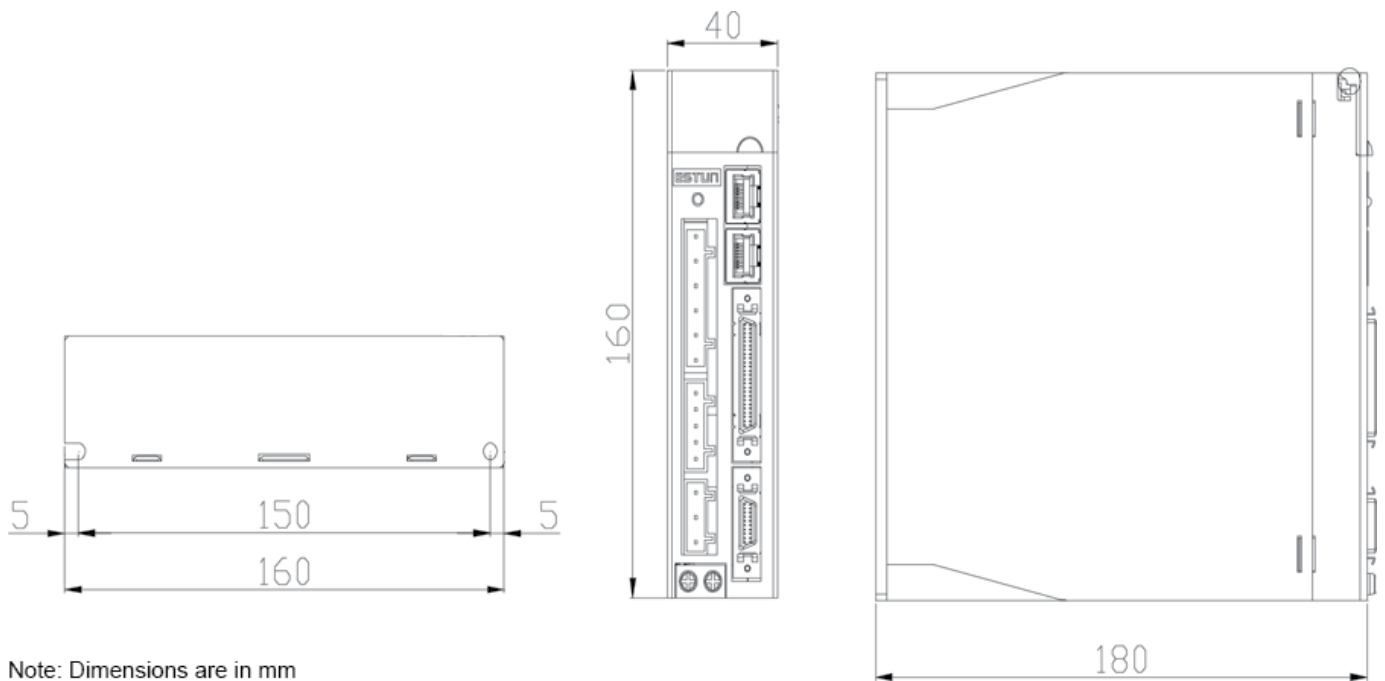


## FEATURES

- *Input Voltage Range of 170-253VAC*
- *50W Power Rating*
- *Standard Communication: CANopen*
- *2500 Pulses Per Revolution*
- *High Reliability and Cost Effective*
- *CE Certified*



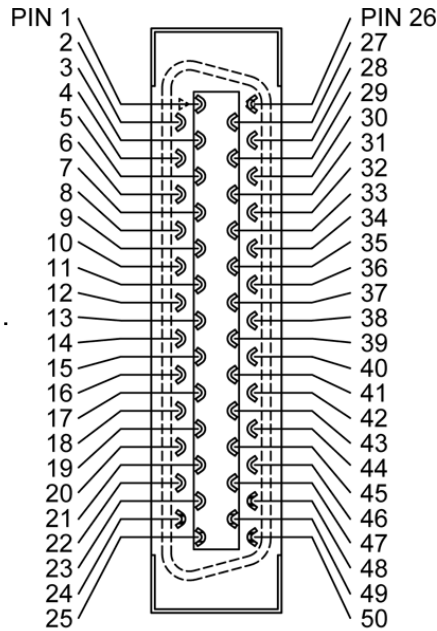
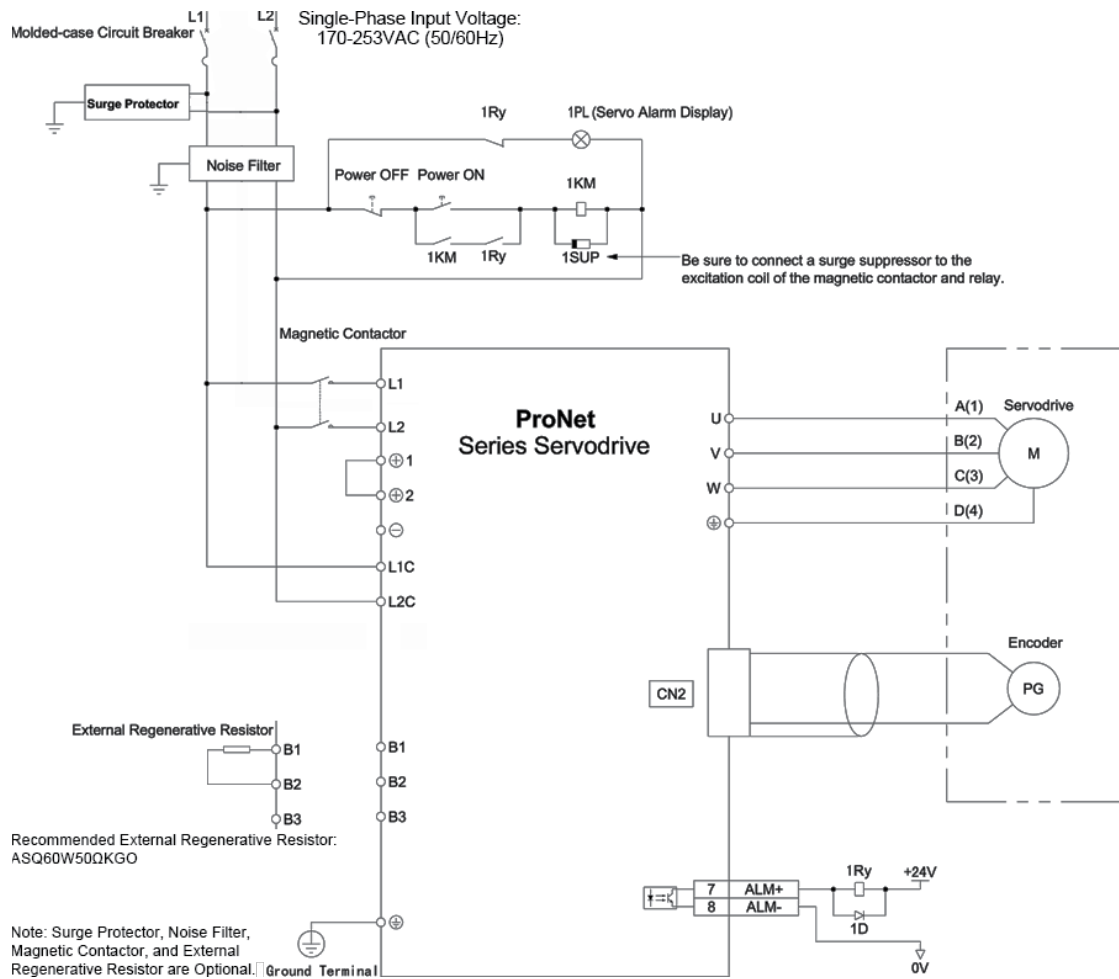
## DIMENSIONS



Note: Dimensions are in mm

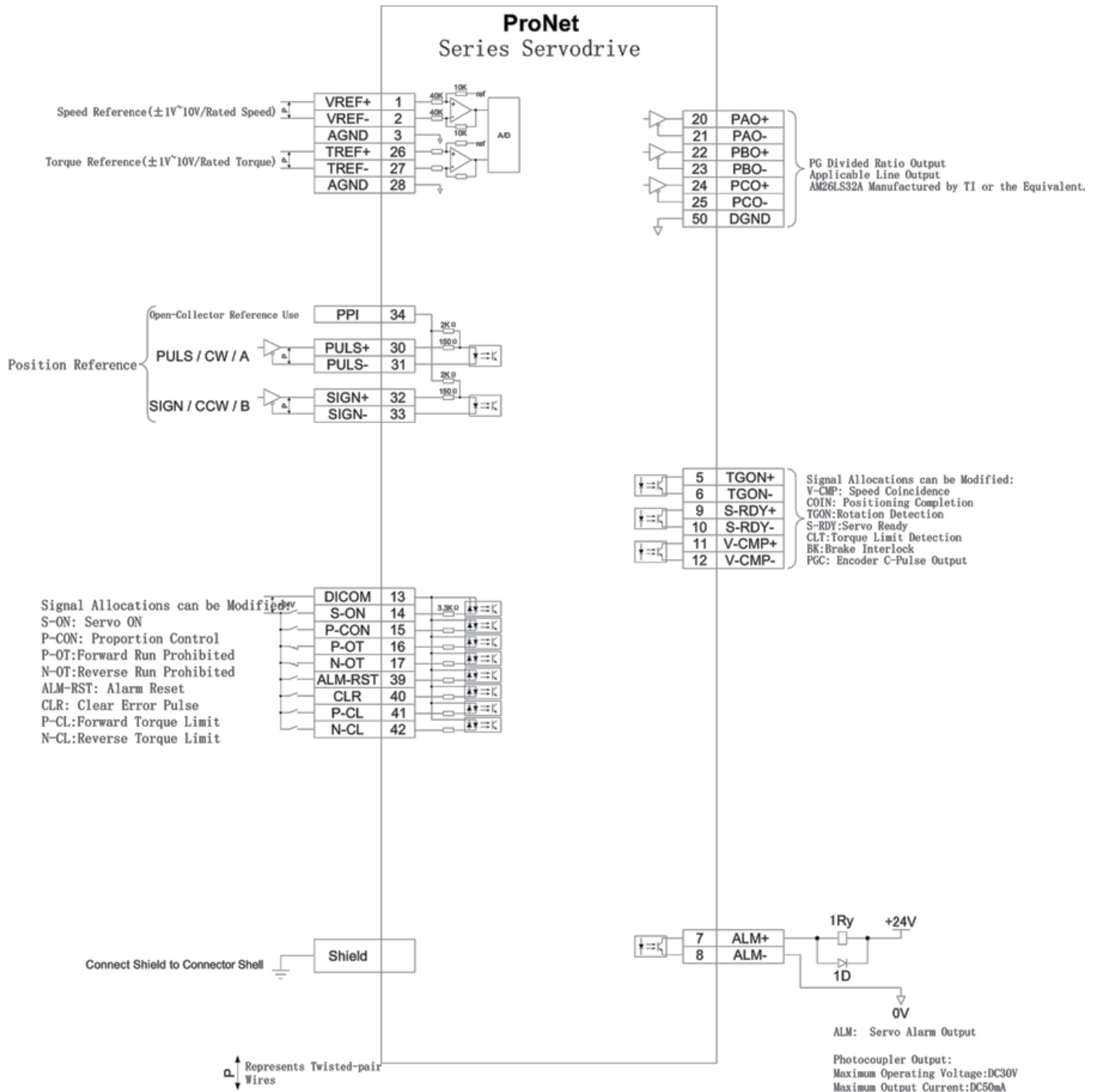
Dimensions are in mm

MAIN CIRCUIT DIAGRAM



PRONET-E 1CN CONNECTOR (REAR VIEW)

1CN CONNECTOR PINOUT



### Compatible Drivers

Part Number	Description
PRONET-E-A5A	Servo Driver



### Compatible Motors

Part Number	Description
EMJ-A5APA22	Servo Motor
EMJ-A5APA24	Servo Motor



### Compatible Cables

Part Number	Description
BSP-JO24-05	Encoder Cable
PDM-JO20-05	Power Cable

