

CONNECTING TO PLC OR HMI

Stepper motor communicates via CANopen

JVL introduced a slim captive, non captive, external nut integrated linear stepper motor. CANopen provides the MIL stepper motors connections to a PLC or HMI.



As standard, it is possible to communicate with holistic systems via for example CANopen (Source: JVL)

The Servostep integrated linear stepper motor series MIL171 to MIL176 have a Nema17 42 mm x 42 mm flange and include controller with six different industrial Ethernet protocols, absolute multiturn encoder, closed loop, and M12 connectors. This motor family is based on the latest micro-processor and cooling technology and an advancement compared to previous designs.

All the necessary electronics in a stepper system are integrated in the motor itself and are similar to the concept used by other JVL motors, making it easy to use in all kind of motion control stepper or servomotor applications.

The motor contains everything needed to solve a modern control task, either as a stand-alone with own programmable motion controller or controlled from an external PLC or PC, said the company. Eight I/O points can be individually configured as digital input, digital output or analog input. Modbus RTU or CANopen provide connections to a programmable logic controller (PLC) or human machine interface (HMI). The stepper motor supports the CANopen protocols CiA 402 and CiA 301. An ActiveX/OCX driver is available to make interface to Labview, Excel, VB or other Windows-programs. Up to 254 axis can be connected on the same EIA-485 network.

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