Haydon Kerk Motion Solutions Introduces IDEA Size 23 Programmable Linear Actuator

Haydon Kerk Motion Solutions has introduced the Haydon RoHS compliant IDEA Size 23 Non-captive Linear Actuator. The IDEA Size 23 linear actuator combines high-output force, rotary to linear motion, stepper drive and programmable control in a single integrated package. Linear travel per step ranges from 0.000125” (0.0031mm) to 0.005” (0.127mm) and output force up to 200 lbf (890N).

In addition to full programmability through an easy-to-use graphic user interface, the programmable linear actuator configuration is capable of up to 20” of stroke length with a variety of screw pitches allowing fine-resolution linear motion. The IDEA programmable linear actuator is perfect for small gantry robots, motion systems for optics and lasers, high-resolution imaging, precision fluid dispensing, and other applications requiring precision linear motion.

Programming the actuator is through the use of on-screen graphic buttons instead of complicated command sets or other proprietary programming languages. The software allows the system designer to easily troubleshoot programs through line-by-line or multiple-line program execution using the interactive debug feature. Inputs and outputs also can be simulated in software before ever connecting actual I/O hardware.

Other features include a single supply voltage of 12 to 75 VDC, 3.85Arms max rated current per phase with a 30% boost current capability for ramping, and 8 opto-isolated general purpose I/O. The inputs are rated for 5 to 24 VDC, 4mA max per input. The outputs are open collector, 5 to 24 VDC, 200mA maximum per output. To learn more, visit www.idea-drive.com

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