LDL25 Series

Linear Actuator

Cost-Competitive Electric Alternative to Pneumatics Starting at $300.

Many users of pneumatic cylinders in industrial automation are looking for electric actuator alternatives for a number of reasons: **Control, Operating Cost, Life and Performance.**

The LDL has been designed as a cost-competitive alternative to pneumatics. The LDL features several innovative cost reduction elements that result in a list price starting at $300.

- Printed Coil technology with integrated SMAC encoder reader head.
- Laser cut parts resulting in housing and end-cap process times in the 5 to 30 second range.
- 1 piece multi -pole neodymium magnets.
- Precision linear guide life tested to 500M cycles.
- Automatic assembly done using SMAC's own products.

LDL25-050

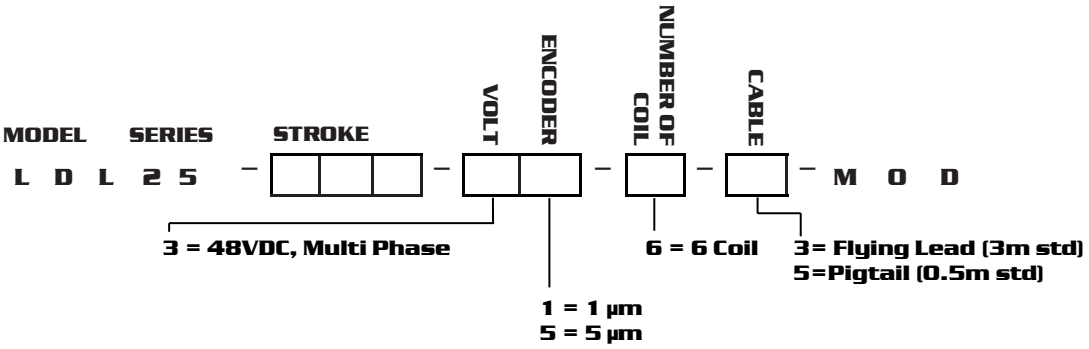
LDL25 Series

Stroke [mm]	**25, 50, 75 and 100**
Peak Force [N]	**20 (48VDC)**
Encoder Resolution [µm]	**5 standard, 1 optional**

SMAC Advantages

- Cost competitive, starting at $300.
- Fully programmable in force, position and velocity, on the fly change capability.
- SMAC's Patented 'Soft-Land' technology.
- SMAC's built-in controller with various communication protocols (optional add-on).
- Higher cycle rates.
- Longer cycle life.
- Ability to feed back in real time what happened when work was done.

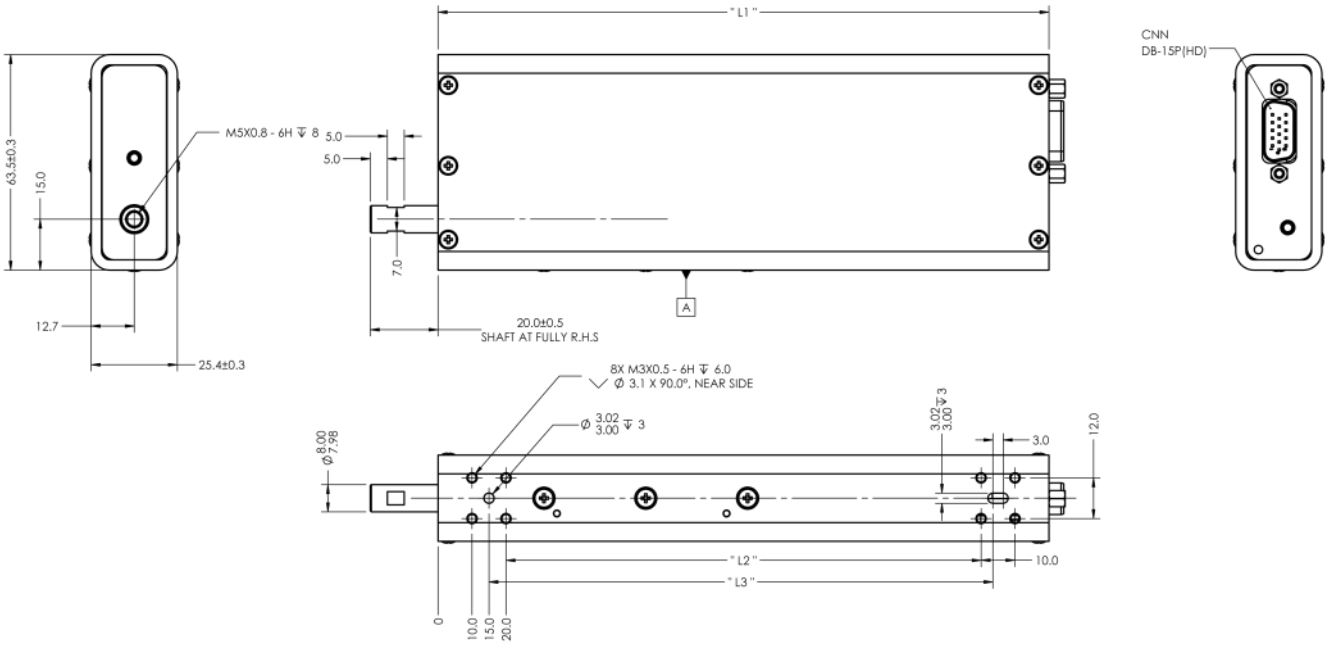
PART NUMBERING



SPECIFICATION

Model	Voltage [DC]	Size: LxWxH [mm]	Stroke [mm]	Peak Force [N]	Force Constant [N/A]	Max. Current [Amp]	Moving Mass [kg]	Weight [kg]
LDL25-025-35-6	48	155x63.5x25.4	25	20	7.2	2.8	0.1	0.9
LDL25-050-35-6	48	180x63.5x25.4	50	20	7.2	2.8	0.11	1.1
LDL25-075-35-6	48	220x63.5x25.4	75	20	7.2	2.8	0.12	1.3
LDL25-100-35-6	48	260x63.5x25.4	100	20	7.2	2.8	0.13	1.6

DIMENSIONS



Specifications subject to change without notice.
2021 rev.2