# LINEAR ACTUATORS WITH BUILT-IN CONTROLLER

**Cost-competitive electric actuator, LDL series is offered with an integrated controller. This makes the LDL an economical, space saving solution.**

GUI

- ✓ Built-in Controller
- ✓ Cost competitive
- ✓ Fully programmable in force, position and velocity
- ✓ Graphical User Interface for simple programming

| Part Number | Voltage [DC] | Size: LxWxH [mm] | Stroke [mm] | Peak Force [N] | Continuous Force [N] | Force Constant [N/A] | Maximum Current [Amp] | Moving Mass [kg] | Weight [kg] |
|---|---|---|---|---|---|---|---|---|---|
| LDL15C-010-75-3 | 48 | 170x15x70 | 10 | 15 | 6 | 4.4 | 3.4 | 0.075 | 0.68 |
| LDL15C-025-15-6 | 24 | 190x15x70 | 25 | 11.2 | 4.5 | 7 | 1.6 | 0.09 | 0.7 |
| LDL25C-010-35-6 | 48 | 180x25.4x63.5 | 10 | 30 | 12 | 8.4 | 3.6 | 0.1 | 1.1 |
| LDL25C-025-35-6 | 48 | 180x25.4x63.5 | 25 | 30 | 12 | 8.4 | 3.6 | 0.1 | 1.1 |
| LDL25C-050-35-6 | 48 | 220x25.4x63.5 | 50 | 30 | 12 | 8.4 | 3.6 | 0.11 | 1.3 |
| LDL25C-075-35-6 | 48 | 260x25.4x63.5 | 50 | 30 | 12 | 40 | 3.6 | 0.12 | 1.5 |
| LDL25C-100-35-6 | 48 | 300x25.4x63.5 | 10 | 30 | 12 | 8.4 | 3.6 | 0.13 | 1.7 |
| LDL40C-025-35-3 | 48 | 190x40x120 | 25 | 90 | 36 | 40 | 2.5 | 0.45 | 4 |
| LDL40C-050-35-3 | 48 | 225x40x120 | 50 | 90 | 36 | 40 | 2.5 | 0.47 | 4 |
| LDL40C-075-35-3 | 48 | 250x40x120 | 75 | 90 | 36 | 40 | 2.5 | 0.49 | 4.5 |
| LDL40C-100-35-3 | 48 | 285x40x120 | 100 | 90 | 36 | 40 | 2.5 | 0.51 | 5.2 |

NOTE: For any SMAC Moving Coil Actuators, the maximum recommended continuous duty current is 600mA supplied to the actuator over a 1 second period. For anything beyond this in terms of current draw or time please consult the factory. We manufacture actuators to suit our customers' requirements. Please call us if you do not find the right actuator in this list.



LDL15C



LDL25C



LDL40C

## Options & Modifications (Consult factory for availability)

Built-in Controller ---------- Simple installation and effective use of space.

Linear encoder resolutions ---------- 5µm standard and 1µm optional.

Shaft ends ---------- Male, Female, Blank and Custom (check availability of custom option).

Return spring ---------- Prevents the shaft from dropping during vertical operation when power is cut.

Vacuum ---------- Vacuum through the shaft or on the shaft for pick and place applications.

Increase of force accuracy/lifetime ---------- Low-friction linear guide/extra-long preload linear guide.