

LC3 Column Kit Data Sheet

LC3S0002DK-01
LC3P0004DK-01
LC3P0005DK-01
LC3P0006DK-01



LC3 Column Kit

The LC3 Column Kit is a handy solution for industrial workstation bases. All components delivered in one single box: [LC3 lifting column\(s\)](#), control box ([CO71](#)), operating panel ([TP1](#)), and cables.

When designing your industrial workstation, download the LC3 Column Kit documentation and implement the 3D drawings.

Build with a single lifting column or a parallel system with 2-4 columns. The mounting plates offer effortless installation.

Options available:

- LC3 Column Kit - Single (LC3S0002DK-01)
- LC3 Column Kit - 2-parallel (LC3P0004DK-01)
- LC3 Column Kit - 3-parallel (LC3P0005DK-01)
- LC3 Column Kit - 4-parallel (LC3P0006DK-01)



Lifting column specifications

- | | |
|---------------------------------|--|
| • Type | Three-stage electric lifting column |
| • Max. load | 600 kg (push) or 400 kg (pull) |
| • Max. speed | 18 mm / sec with no load |
| • Stroke length | 700 mm |
| • Installation dimension | 610 mm (fully retracted incl. mounting plates) |
| • Max. bending moment | 1,400 Nm dynamic and 3,000 Nm static |
| • Weight | 26 kg |
| • Material | Anodised aluminium |
| • Colour | Black mounting plates |
| • Protection class | IPX6 |

Column kit usage

- | | |
|--------------------------------|---|
| • Operating panel | Up / down arrows (black IP66 housing with grey foil) |
| • Mains voltage | 230 V |
| • Duty cycle | Max. 10% ≈ max. 2 minutes continuous use followed by 18 minutes pause |
| • Operating temperature | 5 to 40 °C |
| • Storage temperature | -40 to +50 °C |
| • Relative humidity | 20 to 80% - not condensing |
| • Atmospheric pressure | 700 to 1060 hPa |
| • Altitude | Max. 3,000 m |

Parts included

Type	Characteristics
Lifting column(s)	LC3 700 mm, 6,000 N
Mounting plates	Top/bottom: Thickness 10 mm, black, screws included
Control box(es)	CO71, 230 V and bracket
Operating panel	With ~ 1.2 m cable and bracket
Mains cable(s)	EU plug, 3.2 m
Motor cable(s)	2.5 m and snap ring(s)
Signal cable	0.5 m
Modular junction box	MJB5, Analogue to OpenBus™
Blind plugs	For control box and MJB (waterproof)

FAQ

What is max. bending moment?

Max. bending moment is a way to express the resistance toward heavy off-centre loads without causing mechanical failure. The bending moment can be measured as either dynamic (during operation) or static (when stopped).

Where do I find system drawings, 3D models etc.?

We recognise the importance of having access to system drawings, which feature all the parts included in the kits, as well as to 3D models during the design phase. Therefore, you can locate these on the product page for LC3 column kits.

Will the speed increase if I reduce the load?

The short answer is “yes”. The LC3 is a powerful lifting column, which means that it consumes a lot of energy - in particular when running with a full load. By monitoring the current consumption, the control box regulates the speed of the column to ensure smooth operation.

How many columns can you operate in parallel?

The kits are offered as a single system or 2-4 parallel. The parallel system will ensure that all columns operate simultaneously and stay aligned when moving.

What is duty cycle?

When building a machine or a workstation, it is important to consider how often the lifting column system is operated. The LC3 column kits are rated with a duty cycle of 10%. This means that after max. 2 minutes of continuous use, it is necessary to pause for 18 minutes. This limitation will ensure a long service life and optimal performance.

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