

MPC 2/4/6/8LD8

MOVECAT

MOVECAT MPC 2/4/6/8LD8 Motion Power Controller (DC and RC model) compliant with BGV D8 and igvw SQ P2 D8 Plus



The Motion Power Controllers of the Lite series in direct control 400 V AC or remote control 24 V DC version represent an extension to the practice-proven Movecat kinetic controller series. They were designed as simple stand-alone solutions for small rigging applications but without any compromises being made in terms of either ergonomics or safety.

They unite in a robust 3U or else 5U metal housing all the relevant components for the safe control of two to eight asynchronous, three-phase drives such as the electric chain hoists of the Movecat Eco, Plus, Compact, Ecolite, Plus-C and Pluslite series.

Per controller, two to eight hoists or drives can be operated directly without any additional controllers or ancillary devices in an operationally secure and user-

proof fashion.

Run direction, raising and lowering are selected using robust rotary controls and the run activated using a central GO button. All safety elements include a latching Emergency OFF button, phase malfunction, phase sequence and low voltage supervision, and four motor protection switches individually adjustable to each motor. All the safety elements are arranged sequentially to form a 'safety chain', so that an operating failure leads automatically to all four drives coming safely to a halt. The operating status is indicated by means of two signal elements.

A motor plug-in connector CEE 16 A 4-pin, or a multi-pin connector can be directly inserted at rear. The controllers of the Lite series are, all in all, simple and intuitive to use in accordance

with the 'plug and lift' principle. Different versions of the MPC LD8 controller in DC or RC versions are available with motors ranging from 0.25 to 3.0 kW in power.

The controllers comply with the EN 60204-32 and EN 13849-1 standards as well as VDE 0113 and are suitable for the control of lifting gear in accordance with the guidelines set out in BGV D8 and igvw SQ P2 D8 Plus.

The MPC 4LD8 controller is recommended for use with the Eco, Ecolite, Compact, Plus, Plus-C and Pluslite hoists for small professional rigging applications in the trade fair, events, studio and touring sectors.



FEATURES:

- controls and supervises two to eight hoists such as Eco, Ecolite, Compact, Plus, Plus-C and Pluslite or else asynchronous, three-phase drives (400 V / 50 Hz)
- direct control 400 V AC or remote control 24 V DC
- EN 60204-32, EN 13849-1 and VDE 0113 conformity
- implementation according to BGV D8 and igvw SQ P2 D8 Plus
- simple, intuitive operation
- self-testing of relevant functions prior to system enabling

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DC Versions:

- **MPC 2/4/6/8LD8-LP-DC**
(adjustment range 1.6 to 2.5 A motor current consumption, 0.37 to 0.75 kW motor power)
- **MPC 2/4/6/8LD8-SP-DC**
(adjustment range 2.5 to 4.0 A motor current consumption, 0.75 to 1.5 kW motor power)
- **MPC 2/4LD8-HP-DC**
(adjustment range 4.0 to 6.3 A motor current consumption, 1.5 to 2.2 kW motor power)
- **MPC 2/4LD8-HP1-DC**
(adjustment range 6.3 to 10 A motor current consumption, 2.2 to 3.0 kW motor power)

RC Versions:

- **MPC 4/8LD8-LP-RC**
(adjustment range 1.6 to 2.5 A motor current consumption, 0.37 to 0.75 kW motor power)
- **MPC 4/8LD8-SP-RC**
(adjustment range 2.5 to 4.0 A motor current consumption, 0.75 to 1.5 kW motor power)
- **MPC 4LD8-HP-RC**
(adjustment range 4.0 to 6.3 A motor current consumption, 1.5 to 2.2 kW motor power)
- **MPC 4LD8-HP1-RC**
(adjustment range 6.3 to 10 A motor current consumption, 2.2 to 3.0 kW motor power)

Technical equipment:

- adjustable motor protection switch per drive
- emergency OFF button, self-latching
- GO button
- rotary control for direct selection of the run direction
- READY and ERROR status indicators
- robust metal housing
- CEE 16 A 4-pin motor connectors female (DC models rear panel)
- HAN 16-E multi-contact connector for four motors (RC models rear panel)
- CEE 16 A/32 A 5-pin phase-changing plug with 1.0 m HO7RN-F connector cable

Technical data:

- input 16 A/32 A* CEE with phase-changing plug (*depending upon total current consumption)
- 2/4LD8 dimensions 19", 3U, D 310 mm (without plug-in connector)
- 6/8LD8 dimensions, 19"/ 5U, D 310 mm (without plug-in connector)
- weight 9.0 kg - 9.5 kg, 3 U devices
- weight 11.5 kg - 12.5 kg, 5 U devices
- EN 60204-32, EN 13849-1 and VDE 0113 conformity
- BGV D8 und igvw SQ P2 D8 Plus conformity

Options / Accessories:

- rear panel with HAN 16-E multi-contact connector instead of four CEE 4-pin connectors (4/8LD8 DC)
- transport case

MPC 2/4/6/8LD8 - En 01.2018



Subject to technical modifications and typographical errors.