



MPC 4LD8 Motion Power Controller

In compliance with BGV D8 and D8 Plus / igvw SQ P2

The motion power controllers of the Lite series represent an extension of the Movecat Kinetic controller series, which has proved its value in practice. 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 metal housing all the relevant components for the safe control of up to four asynchronous, direct control, three-phase drives such as the electric chain hoists of the Movecat Eco, Ecolite, Compact, Plus, Plus-C and Pluslite series.

These are independent control devices by means of which up to four hoists or drives can be

operated in a user-proof fashion directly without any additional controllers or ancillary devices.

The run direction is selected using four robust rotary controls and the run activated using a central GO button. Integrated safety elements include a latching Emergency OFF button; phase malfunction, phase sequence and low voltage supervision; and four adjustable motor protection switches individually adjustable for 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 to a stop. The operating status is indicated by means of two signal elements.

Four CEE 16 A 4-pin connectors can be plugged in directly at the back. The controllers of the Lite

series are in summation simple and intuitive to use in accordance with the plug and play principle. Five different versions of the MPC 4LD8 controller are available with motors ranging from 0.25 to 3.0 kW in power.

The controllers conform to EN 60204-32, EN 13849-1, VDE 0113 and are entirely suitable for the control of BGV D8 and D8 Plus / igvw SQ P2 lifting gear.

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

FEATURES:

- controls and supervises up to four direct-drive hoists such as Eco, Ecolite, Compact, Plus, Plus-C and Pluslite electric chain hoists or else asynchronous three-phase drives (400 V / 50 Hz)
- EN 60204-32, EN 13849-1 and VDE 0113 conformity
- implementation according to BGV D8 and D8 Plus / igvw SQ P2)
- simple, intuitive operation
- self-test of all relevant functions prior to system release

TECHNICAL EQUIPMENT

- four adjustable motor protection switches
- E-STOP button
- GO button
- rotary controls (1-4) for direct selection of run direction
- READY and ERROR status indicators
- robust metal housing
- four CEE 16 A 4-pin motor outlets (rear)
- CEE 5-pin phase-changing plug with 1.5m H07 RNF connecting cable

VERSIONS:

- MPC 4LD8-1 (adjustable range 1.0 to 1.6A motor current consumption, 0.25 to 0.37 KW motor power)

- MPC 4LD8-2 (adjustable range 1,6 bis 2,5 A motor current consumption, 0,37 bis 0,75 kW motor power)
- MPC 4LD8-3 (adjustable range 2,5 bis 4,0 A motor current consumption, 0,75 bis 1,5 kW motor power)
- MPC 4LD8-4 (adjustable range 4,0 bis 6,3 A motor current consumption, 1,5 bis 2,2 kW motor power)
- MPC 4LD8-5 (adjustable range 6,3 bis 10 A motor current consumption, 2,2 bis 3,0 kW motor power)

TECHNICAL DATA:

- input 16 A CEE with phase-changing plug (MPC 4LD8-1 to 3)
- input 32 A CEE with phase-changing plug (MPC 4LD8-4 to 5)
- dimensions 19" x 3U x 310 (W x H x D)
- weight 9,0 kg, MPC 4LD8-1/2/3, weight 9,2 kg, MPC 4LD8-4/5
- CE, BGV D8 and D8 Plus / igvw SQ P2 conformity

OPTIONS / ACCESSORIES:

- rear panel with HAN 16-E multi-contact connector instead of the four CEE 16 A 4-pin connectors
- case for transportation