

## MPC 16/24/32TD8 Motion Power Controller

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



TS versions with illuminated rotary switches



RS versions with illuminated rocker switches

The all-in-one Touring Racks of the Movecat TD8 series set new standards in terms of compact construction, user ergonomics and safety for D8 and D8 Plus/igww SQ P2 motor controllers. They correspond in every respect to the current guidelines of EN 60204-32, EN 13849-1 and VDE 0113. All safety systems and power-switching components are supervised in a safety read-back chain and provide a level of maximum security never before achieved. In addition, all relevant operating conditions are systematically illuminated.

The Racks unite all the control components necessary for operation in a compact, shock-resistant road case. The integrated power station takes over the distribution and protection of the controller units as well as the supervision of the power supply including, if necessary, correction of the rotating field.

Both Single mode (Lift/Lower single selection of the hoists) and alternatively Master mode (central Lift/Lower selection of all hoists with a single switch) are available.

In addition, a DMB system is integrated whereby, according to rack, up to four external three-stage permission buttons can be connected. Especially with larger rig constructions it is necessary to supervise these from different positions during the "run" and to ensure that even with systems covering large areas runs are performed safely [see also § BetrSichV and igww SQ P2 "Besondere Lastfälle" (special loading conditions)].

The safety concept is complemented by the tried-and-tested Movecat M-Link system, which allows up to twelve TD8 racks (max. 384 drives) to be operated in a network. The M-Link is system-compatible with the MPC 4ID8 and 4ED8 controllers and up to eight devices can be linked with a TD8 controller. Even a "linked" mixed operation of up to eight devices can be realized.

Due to their intuitive operating philosophy and due also to their handling and safety features, the racks of the TD8-series are recommended in particular for larger interrelated rigging systems with extended safety requirements in professional BGV D8 and D8 Plus/igww SQ P2 rigging applications.

### FACTS:

- controls up to 16 (MPC 16TD8), 24 (MPC 24TD8) or 32 (MPC 32TD8) direct-control hoists such as Eco, Ecolite, Compact, Plus, Pluslite or PLUS-C chain-hoists and asynchronous three-phase drives (400 V/50 Hz)
- self-test of all relevant functions prior to system release
- supervision and display of all operating conditions such as operating voltage and phasing, motor protection switch, run direction and main protections on "adhesion", M-Link system, DMB system
- simple, intuitive operation, Single (single hoist selection) and Master (all hoists UP or DOWN) modes selectable via key switch
- eight-channel, 19" individual controller plug-in modules with motor protection switches, their own safety supervision and phase and status displays
- power station with RCD, automatic over- and under-voltage, phase sequence and symmetry supervision, as well as rotating field detection with automatic correction
- group-transcending error supervision in link mode for up to 12 touring racks (max. 384 hoists in a TD network)
- M-Link compatible with the MPC 4ID8 and 4ED8 controllers (max. 8 devices)
- DMB system, three-level permission buttons, up to four units with self-detection and active status display
- implementation corresponding to BGV D8 and D8 Plus/igww SQ P2

### TECHNICAL FEATURES

- professional, shock-resistant road case with six carrying handles and four casters (two lockable)
- remote panel with rotary or rocker switches (according to choice) with function illumination
- E-Stop button, function-illuminated
- separate GO buttons for Single and Master modes
- differentiated Error display for PSU, controller modules and control panel
- differentiated display of phases L1 to L3 for PSU and the controller modules
- display of the rotating field direction of the voltage feed. Automatic correction (if necessary) to achieve a clockwise (right-handed) rotating field
- individually adjustable motor protection switches with error display for each motor channel
- power station (PSU) with 30 mA ground fault circuit interrupters (personel and device protection), triple automatic circuit breakers (C characteristic) and separate fused grounding receptacles (1 x front, 1 x rear)
- release display of the active DMB permission switches
- four CEE 4-pin direct out pin-and-socket connectors (Motor 1-4)
- HAN 16-E 16-pin multicore pin-and-socket connectors ("Light Norm" compatible) for four drives each (optional 19-pin Socapex)
- XLR MX7 and XLR FX6 M-Link system including dummy plug
- XLR FX6 pin-and-socket connector, MPC 16TD8 two, MPC 24/32TD8 four units each, DMB input
- 19" rack drawer

### VERSIONS

- MPC 16TD8-RS1, 16-channel with rocker switch (setting range 1.0 to 1.6 A motor current, 0.25 to 0.37 kW motor power)
- MPC 16TD8-RS1, 16-channel with rocker switch (setting range 1.6 to 2.5 A motor current, 0.37 to 0.75 kW motor power)
- MPC 24TD8-RS1, 24-channel with rocker switch (setting range 1.0 to 1.6 A motor current 0.25 to 0.37 kW motor power)
- MPC 24TD8-RS1, 16-channel with rocker switch (setting range 1.6 to 2.5 A motor current, 0.37 to 0.75 kW motor power)
- MPC 32TD8-RS1, 32-channel with rocker switch (setting range 1.0 to 1.6 A motor current, 0.25 to 0.37 kW motor power)
- MPC 32TD8-RS1, 32-channel with rocker switch setting range 1.6 to 2.5 A motor current, 0.37 to 0.75 kW motor power)
- MPC 16TD8-TS1, 16-channel with rotary switch (setting range 1.0 to 1.6 A motor current, 0.25 to 0.37 kW motor power)
- MPC 16TD8-TS1, 16-channel with rotary switch (setting range 1.6 to 2.5 A motor current, 0.37 to 0.75 kW motor power)
- MPC 24TD8-TS1, 24-channel with rotary switch (setting range 1.0 to 1.6 A motor current, 0.25 to 0.37 kW motor power)

- MPC 24TD8-TS1, 16-channel with rotary switch (setting range 1.6 to 2.5 A motor current, 0.37 to 0.75 kW motor power)
- MPC 32TD8-TS1, 32-channel with rotary switch (setting range 1.0 to 1.6 A motor current, 0.25 to 0.37 kW motor power)
- MPC 32TD8-TS1, 32-channel with rotary switch setting range 1.6 to 2.5 A motor current, 0.37 to 0.75 kW motor power)

### TECHNICAL DATA

- input 32 A CEE with 1.5 m connecting cable (MPC 16TD8)
- input 63 A CEE with 1.5 m connecting cable (MPC 24/32TD8)
- dimensions:  
MPC 16TD8: 600 x 970 x 750 mm (W x H x D) closed incl. casters  
MPC 16TD8: 600 x 1100 x 750 mm (W x H x D) closed incl. casters  
MPC 16TD8: 600 x 1250 x 750 mm (W x H x D) closed incl. casters

### OPTIONS / ACCESSORIES

- DMB permission switches (Dead-Man-Button)
- HP version (with max. 2.2 or 3.0 kW motor power upon enquiry)