



Power Supply for Mobile Systems

Control module with battery holder for *modulog* modules



Advantages

- Off-grid power supply
- Use in mobile systems
- Compact design
- No downtime
- Fast charging
- High process times by powerful battery
- Long service life
- Ergonomic design
- Safe and precise handling
- Modular system with many possible combinations
- Integrated protection functions
- Protection against deep discharge

Application

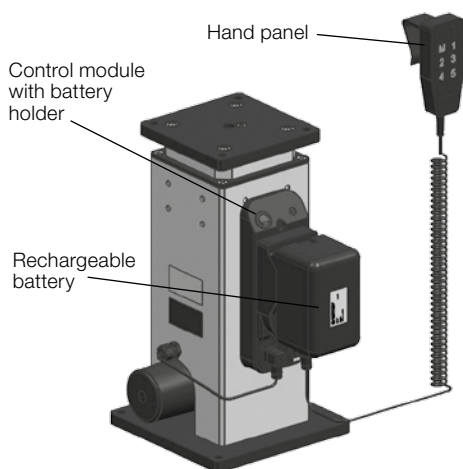
The individual components are used for power supply for mobile systems in industrial assembly. They are suitable for electro-mechanical lifting modules or linear actuators with 24 V.

Fixing and installation

The control module with battery holder can be fixed with two screws M8 to the provided threads in the lifting modules at the outer profiles.

The supply line of the electrical actuator and the operating element are plugged in at the carrier plate of the control module.

Installation example



Description

A system with different individual components allows a network-independent power supply for electrical lifting modules. A rechargeable battery supplies the drive unit with energy. The battery can be recharged by an external quick battery charger.

In order to guarantee working without downtime, it is recommended to have a second rechargeable battery.

Control modules with battery holder for a single module are used to control lifting modules. Various operating elements allow an efficient functionality.

The following items are required for an operational system.

- Rechargeable battery
- Control module with battery holder
- Operating element
- Quick battery charger

Variants

The standard variant provides the functions "up/down" in touch control.

All variants are designed for the operation with lifting modules with **code letter B or I**.

The integrated electronic ensures in combination with the stroke measuring system of the lifting modules a soft start and stop to protect all components.

Also, current limitation and duty cycle limitation help to increase the service life.

Further variants of the control modules with battery holder allow the functions of storable intermediate positions for reproducible approach. On request, the functions synchronization control and individually preset stroke end positions are possible.

modulog

Power supply for mobile systems



Technical data

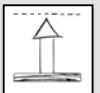
Voltage	24 V
Capacity	4.5 Ah

Part numbers

Rechargeable battery	3822 184
Quick battery charger	3822 177
Control module standard	3821 270
with memory function	3821 270M

Combinable with the modules

- Lifting module – electro-mechanical as per data sheet M 4.202, M 4.301, M 4.401, M 4.501 **with code letter B or I**



- Cart module WMS as per data sheet M 5.101



- Linear actuator – electro-mechanical as per data sheet L 1.101 **with code letter I**

- Electrical operating elements, lines and connectors as per data sheet M 8.203

Material

All essential elements are made of shock-resistant plastic to obtain a high robustness.

Control module with battery holder for *modulog* lifting modules



Advantages

- Microprocessor controlled
- Controlled positioning in stroke end positions and memory positions
- Soft start
- Protective functions:
Electronic current limitation, overcurrent cut-off, detection of blockades, duty cycle limitation
- Charge state warning via LED
- Extensive fault diagnostic
- Fault signalling via flash code

modulog

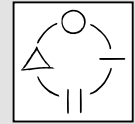
Control module with battery holder

for 1 *modulog* module with incremental stroke measuring system

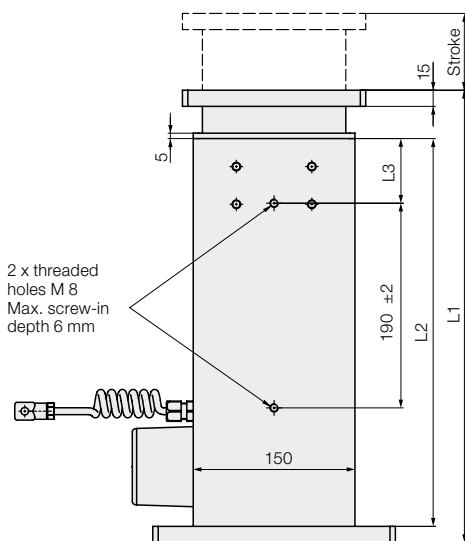
Part no. 3821 270

Accessories

- Electrical operating elements, cables and connectors as per data sheet M 8.203



Dimensions



Stroke [mm]	L1 [mm]	L2 [mm]	L3 [mm]
200	420	360	60
300	520	460	135
400	620	560	185
500	720	660	235
600	820	760	285

Description

The control module with battery holder is the key element of the system to which all further components are connected. It is suitable for a lifting module with different force levels / stroke lengths and incremental stroke measuring system. The holder for the rechargeable battery is already integrated in the control module and forms a compact unit for supply and control of the drive module. The control unit in the control module has connections for the lifting module, for one operating element and control signals for optional functions.

Optional function:

The **memory function** allows to store up to five height positions. These can be recalled again and again or newly stored. Thus ergonomically reasonable working heights can be obtained for different persons or different working heights within one assembly process can be determined. Operation is made via an operating panel that allows to store the height positions as well as to call them. Due to safety reasons a movement is always made by touch control.

modulog

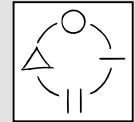
Control module with battery holder with memory function

for 1 *modulog* module with incremental stroke measuring system

Part no. 3821 270M

Accessories

- Electrical operating elements, cables and connectors as per data sheet M 8.203



Technical data

Operating voltage (battery)	25.2 V
Electronic current limitation	8 A
Duty cycle	15 %, 1.5 min ON
Protection class	III
Code class (in mated condition)	IP 30
Standby current consumption	approx. 7 mA
Electrical connections	Plug connection secured by screw
Weight	approx. 700 g

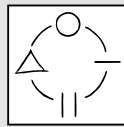
Fixing and installation

Fixation and installation of the control module can be carried out directly at the lifting module in prepared bore holes.



modulog Rechargeable battery

Part no. 3822 184



Description

The rechargeable battery is a Li-Ion battery and is used with its 25.2 V and 4500 mAh for ROEMHELD lifting modules as an energy source. The high capacity in a compact housing allows an efficient and flexible use.

Important notes

For charging of the batteries exclusively the quick battery charger part-no. **3822 177** from ROEMHELD may be used.

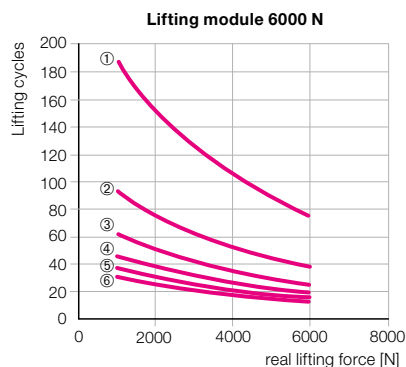
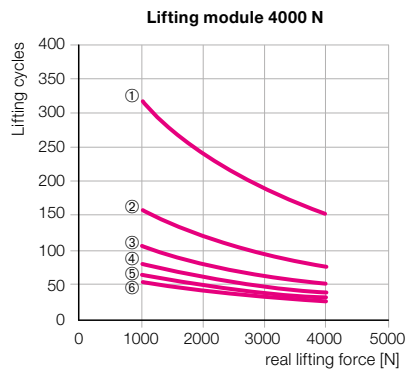
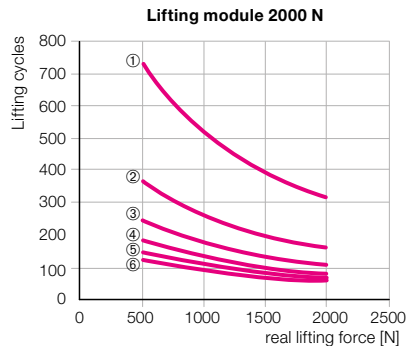
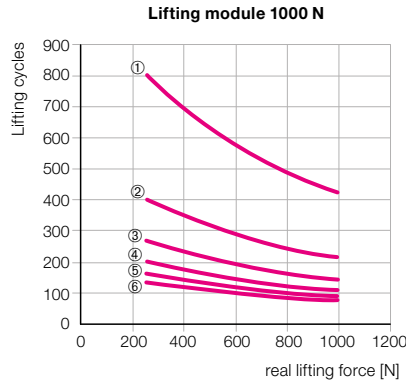
Technical data

Nominal voltage	25.2 V
Nominal capacity	4500 mAh
Charging current	max. 3A
Operating temperature	
Charging	10 °C ... + 40 °C
Operating temperature	
Discharging	0 °C ... + 50 °C
Storage temperature	-20 °C ... + 35 °C
Dimensions (L x W x H)	135 x 85 x 91 mm
Weight	approx. 860 g

Capacity of the rechargeable battery

Based on the following diagrams, the possible number of cycles with a completely charged battery can roughly be determined.

They are presented as a function of the different force levels and stroke lengths using an individually-operated lifting module as an example.



① = 100 mm stroke ④ = 400 mm stroke
② = 200 mm stroke ⑤ = 500 mm stroke
③ = 300 mm stroke ⑥ = 600 mm stroke



modulog Quick battery charger

Part no. 3822 177



Description

The quick battery charger is used to recharge the rechargeable battery (part-no. **3822 184**).

Technical data

Supply voltage	220 ... 240 V ± 10 %
Frequency of the supply voltage	50 ... 60 Hz
Output voltage	9.6 ... 28.8 V
Charging current	2.9 A ± 10 %
Power limitation	max. 55 ... 70 W
Charging time for 4.5 Ah	approx. 2 h
Ambient temperature Storage	-20 °C ... + 60 °C
Ambient temperature Operation	+ 5 °C ... + 40 °C
Protection class	II
Code class	IP 30
Dimensions (L x W x H)	152 x 86 x 76 mm
Weight	approx. 550 g

Variants

**Quick battery charger for use at
100 ... 120 VAC 50 ... 60 Hz**

Part no. 3822 182

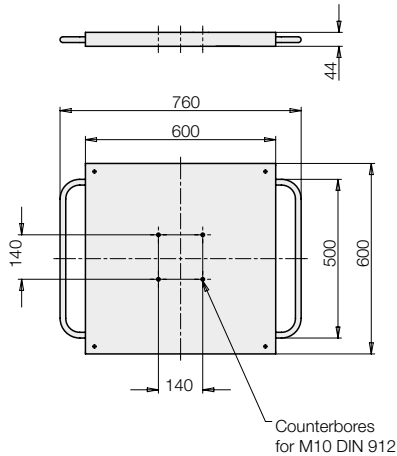
Important notes

The battery charger is equipped with a Euro plug. A plug adaptor is country-specific required.



Table Plate with one *modulog* Interface with or without handles

Steel table plate with 2 handles – 600 x 600 mm



Application

Table plate with two handles for example to move the lifting carts.

Principal use

- Workpiece carriers
- Height-adjustable working tables
- Assembly carts
- Rotatable assembly working plates

Advantages

- Very stable version
- Integrated sturdy handles
- *modulog* interface

Material

Table plate: Stainless steel, bright surface

Handles: Steel profile, welded, black-lacquered

Notes

The fixing screws M10 are completely covered below the steel sheet plate and are not included in our delivery.

Length of the screws = 3 mm + screw-in depth.

modulog Table plate



Part no. 6505-040

Technical data

Maximum load: 6,000 N centric

Combinable with the modules

- Rotating module – vertical axis DMV 600 as per data sheet M 1.301



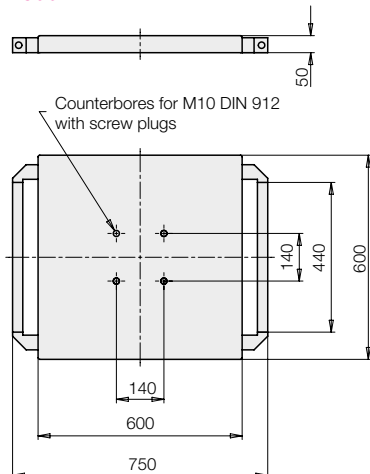
- Lifting modules as per data sheet M 4.XXX



modulog interface

- centric 140 x 140 - Ø 10.5 mm

Wodden table plate with 2 handles – 600 x 600 mm



Application

Table plate with two handles for example to move the lifting carts.

Principal use

- Workpiece carriers
- Height-adjustable working tables
- Assembly carts
- Rotatable assembly working plates

Advantages

- Stable and stylish version
- Integrated sturdy handles
- *modulog* interface

Material

Table plate: Multiplex beech, 50 mm, surface clear coated

Handles: anodized aluminium

Application example



Wooden table plate – mounted on the lifting module Shop-Floor and cart module WMS

modulog Table plate



Part no. 6505-051

Technical data

Maximum load: 2,000 N centric

Combinable with the modules

- Rotating module – vertical axis DMV 600 as per data sheet M 1.301



- Lifting modules as per data sheet M 4.XXX



modulog interface

- centric 140 x 140 - Ø 10.5 mm

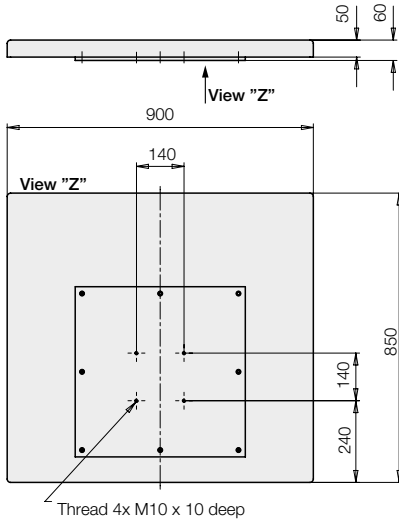
Note

The fixing screws M10 are not included in our delivery.

Length of the screws = 35 mm + screw-in depth.

Screw plugs for the counterbores are included in our delivery.

Wooden table plate with steel strengthening, without handles – 900 x 850 mm



Advantages

- Strengthened and stylish version
- *modulog* interface

Material

Table plate: Multiplex beech, 50 mm, surface clear coated
Reinforcing plate: steel lacquered

Note

The fixing screws M10 are not included in our delivery.

Application

Table plate with radiused edges and eccentric *modulog* interface.

Supported by a reinforcing plate made of steel for high loads.

Fields of application are, for example, industrial applications with standing work places.

Principal use

- Ergonomic assembly places
- Height-adjustable working tables

modulog Table plate



Part no. 6505-050

Technical data

Maximum load: 4,000 N centric

Combinable with the modules

- Rotating module – vertical axis DMV 600 as per data sheet M 1.301
- Lifting modules as per data sheet M 4.XXX



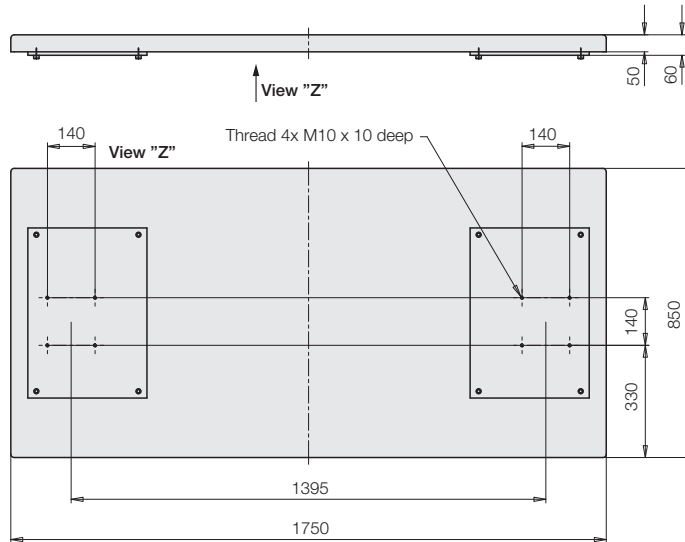
modulog interface

- eccentric 140 x 140 mm - M10

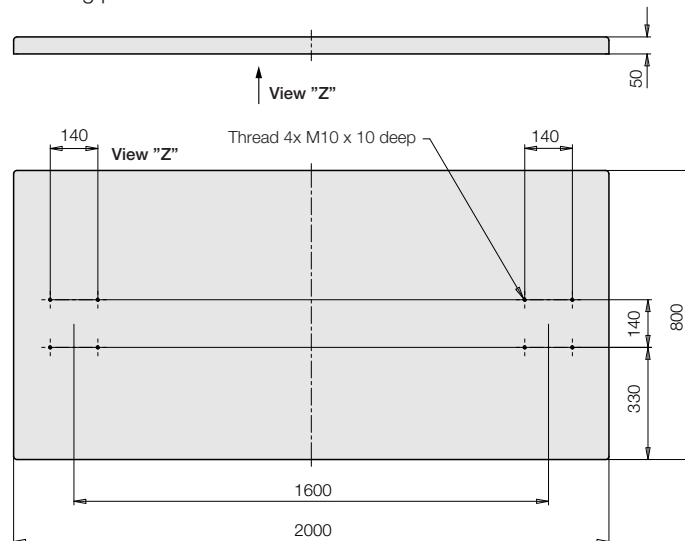


Table plate with two *modulog* interfaces

Wooden table plate with steel strengthening – 1750 x 850 mm with reinforcing plates



Wooden table plate – 2000 x 800 mm with reinforcing plates



Application

Table plate with radiused edges and two eccentric *modulog* interfaces.

Supported by a reinforcing plate made of steel for high loads.

Fields of application are, for example, industrial applications with standing work places.

Advantages

- Strengthened and stylish version
- *modulog* interfaces

Material

Table plate:	Multiplex beech, 50 mm, clear coated
Reinforcing plate:	steel lacquered

Note

The fixing screws M10 are not included in our delivery.

Principal use

- Ergonomic assembly places
- Height-adjustable working tables

modulog Table plate



Part-no. 6505-060

Technical characteristics

Maximum load: 4.000 N plane

Combinable with the modules

- Lifting modules as per data sheet M 4.301



modulog interfaces

- eccentric 2 off 140 x 140 mm - M10

modulog Table plate



Part-no. 6505-061

Technical characteristics

Maximum load: 3.000 N plane

Combinable with the modules

- Lifting modules as per data sheet M 4.301



modulog interfaces

- eccentric 2 off 140 x 140 mm - M10

Application example



Height-adjustable working tables composed by the table plate 1750 x 850 mm, two electrically-operated lifting modules Shop-Floor with supply unit and the floor module FMD 800.



Adaptor Plates for *modulog* interfaces

Adaptor plate DMH 140



Advantages

- *modulog* interface
- Simple vertical mounting of the rotating module - horizontal axis DMH
- Easy mounting
- Standard plate

Application

The adaptor plate DMH 140 allows vertical mounting of the rotating module - horizontal axis DMH 200 on modules with a *modulog* interface 140 x 140.

Material

steel, black oxide

Note

The fixing screws M10 are not included in our delivery.

modulog

Adaptor plate

for rotating modules DMH 200

Part no. 6311-326



modulog interface

- 140 x 140 mm – M10

Mounting scheme - example



Rotating module - horizontal axis
DMH with interface
95 x 50 mm – M10

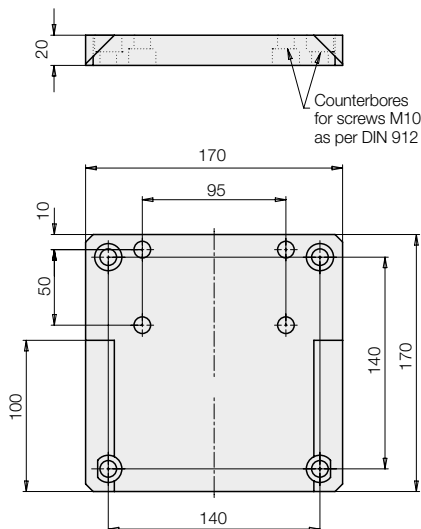


Adaptor plate **DMH 140**



Lifting module
with top plate interface
140 x 140 – Ø 10.5 mm

Dimensions



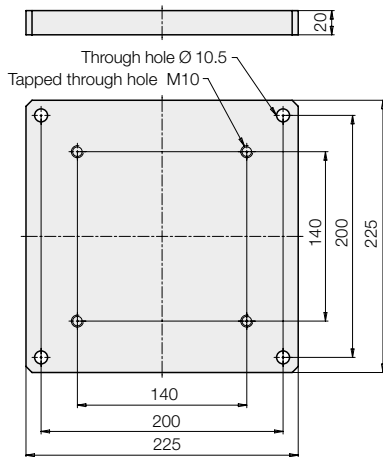
Application example



Rotating module - horizontal axis DMH 200
vertically mounted on a lifting module Shop-Floor

Adaptor Plates

Adaptor plate 140 – 200



Advantages

- Simple mounting of *modulog* modules with different interfaces
- Easy mounting
- Standard plate

Application

By means of the adaptor plate 140 – 200 modules with a 140 x 140 mm *modulog* interface can be mounted onto a 200 x 200 mm *modulog* interface.

For example a rotating module - vertical axis on a cart or floor module.

Material

steel, black oxide

Note

The fixing screws M10 are not included in our delivery.

modulog

Adaptor plate

Interface 140 to 200

Part no. 6311-417



modulog interface

- 140 x 140 mm – M10
- 200 x 200 mm – Ø 10.5 mm

Mounting scheme - example



Rotating module - vertical axis
DMV with interface
140 x 140 mm – M10.5

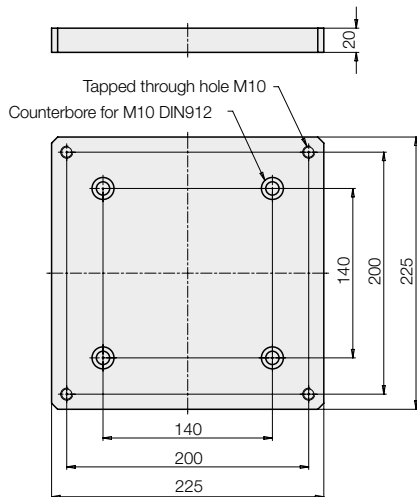


Adaptor plate **140 – 200**



Cart module WMS
with interface
200 x 200 – M10

Adaptor plate 200 – 140



Advantages

- Simple mounting of *modulog* modules with different interfaces
- Easy mounting
- Standard plate

Application

By means of the adaptor plate 200 – 140 modules with a 200 x 200 mm *modulog* interface can be mounted onto a 140 x 140 mm *modulog* interface.

For example a lifting module on a rotating module - vertical axis.

Material

steel, black oxide

Note

The fixing screws M10 are not included in our delivery.

modulog

Adaptor plate

Interface 200 to 140

Part no. 6311-423



modulog interface

- 200 x 200 mm – M10
- 140 x 140 mm – Ø 10.5 mm

Mounting scheme - example



Lifting module
with base plate interface
200 x 200 mm – Ø 10.5

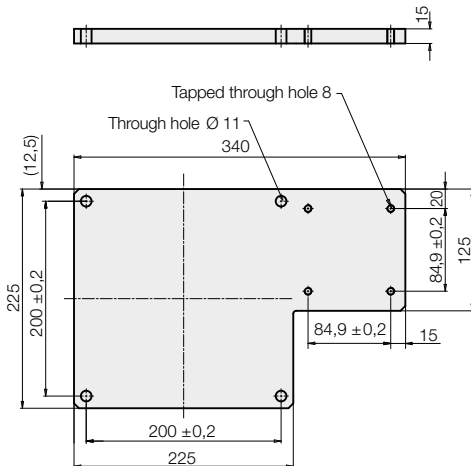


Adaptor plate **200 – 140**



Rotating module - vertical
axis DMV with interface
140 x 50 mm – M10

Adaptor plate 6312-748



Advantages

- Easy installation of indexing with foot pedal
- Easy mounting
- Standard plate

Application

The indexing mechanism of the rotating modules can be fixed on the floor with the adaptor plate 6312-748. With the adaptor plate, all foot pedals for rotating and tilting modules such as per data sheet M 1.101 can be quickly and safely fixed.

The application is optimised for cart modules below the base plate of lifting modules.

Material

aluminium, black anodised

Note

The fixing screws M8 are not included in our delivery.

modulog

Adaptor plate

Pedal-operated indexing

Part no. 6312-748



modulog interface

- 200 x 200 mm – Ø 10.5 mm

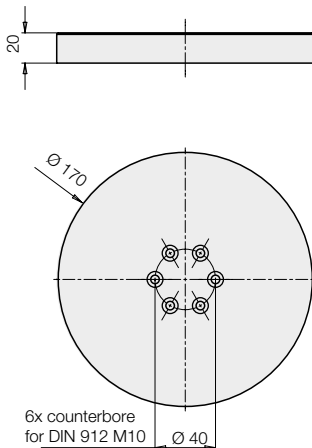


Flange Plate for *modulog* rotating modules

Flange plate Ø 170 mm



Dimensions



Advantages:

- Individual design for fixing of component parts
- Simple mounting
- Standard plate

Application

The flange plate can be used instead of the *modulog* flange plate of the rotating modules - horizontal axis DMH and rotating modules - vertical axis DMV.

Compared with the *modulog* flange plate, this plate does not have an 140 x 140 *modulog* interface.

This plate offers the possibility to design individual fixing for component parts. Specific bore patterns or other provisions for the location of component parts or fixtures can be provided by the user.

The flange plate can be easily exchanged against the *modulog* flange plate.

Material

Steel, black oxide

Note

Fixing of the flange plate at the rotating module is made by the available screws M10 of the rotating module.

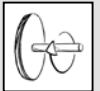
modulog Flange plate

Part no. 6311-400



Combinable with the modules

- Rotating module – horizontal axis DMH 200 as per data sheet M 1.101
- Rotating module – vertical axis DMV 1000 as per data sheet M 3.101



Application example



Rotating module - vertical axis DMV 1000
with flange plate Ø 170



Base Plates for *modulog* lifting modules



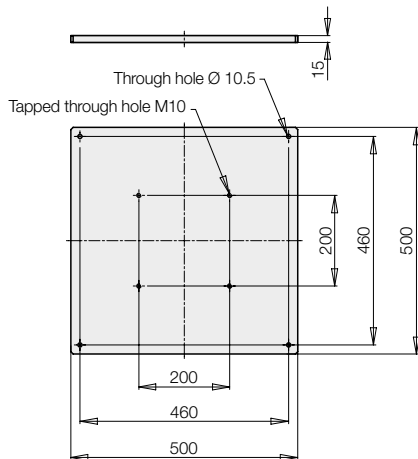
Base plate 500 x 500 mm

Base plate 500 x 500 mm Standard version

with single *modulog* interface 200 x 200
with 4 threads M10

Part no.: 6311 412

Use primarily for individual lifting modules



Advantages

- *modulog* interface
- Increased stability
- Installation possible on many sub-floors
- Easy mounting

Application

Base plates are primarily used with lifting modules.

They are screwed to the lifting module and the floor to get a larger support surface and an increased stability of the lifting module.

The use of base plates is especially recommended for sub-floors with unknown strength and high torque loads.

Material

Steel, black oxide

For lifting modules:

- Basic
- Shop-Floor
- Strong
- Shop Floor Telescope
- Solid

modulog Base plate

Part no. 631XXXX



Combinable with the module

- Lifting modules as per data sheet M 4.XXX



modulog interface

- 200 x 200 - M10
- 140 x 140 - M10

Important note!

The fixing screws M10 are not included in our delivery.

Application example



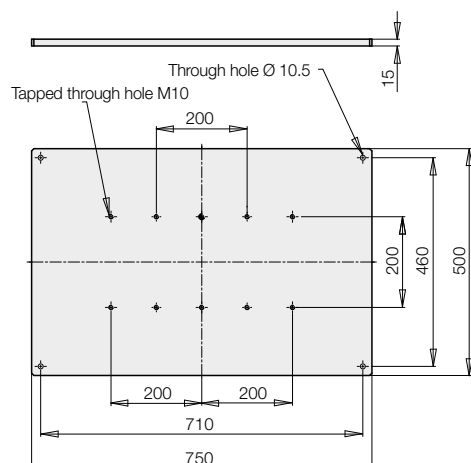
Lifting module Shop-Floor with base plate

Base plate 750 x 500 mm

modulog interface 200 x 200
with 10 threads M10

Part no.: 6311 460

Use primarily for lifting modules with higher max. torque load M 4.401, M 4.402 and M 4.501



For lifting modules:

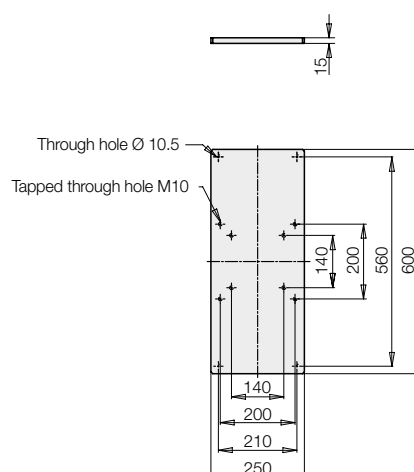
- Basic
- Range
- Shop-Floor
- Strong
- Twin-Strong
- Shop Floor Telescope
- Solid

Base plate 600 x 250 mm

modulog interface 200x200 and 140x140
each provided with 4 threads M10

Part no.: 6312 161

Use primarily for lifting units in synchronism



For lifting modules:

- Basic
- Shop-Floor
- Shop Floor Telescope
- Strong
- Solid



Electrical Operating Elements, Lines and Connectors for *modulog* modules



Application

Electrical operating elements for the operation of electrical *modulog* modules.

Advantages

- Comfortable operation
- Flexible positioning in an ergonomically favourable place
- Coiled cable
- Plug secured by screws

Description

The hand panel has two buttons which operate the functions "up" and "down". At the back of the body there is a hook to hang up the hand panel in an ergonomically favourable place. The relaxed coiled cable is approx. 0.9 m long and can be pulled up to a length of 1.6 m.

Operation

Push the buttons "up" and "down" with the thumb in touch control mode. When releasing a push-button the connected module stops immediately.

Material

Body: Polyamide
Connecting cable: PUR

modulog

Hand panel

with up/down function

Part no. 3823-025



Combinable with the modules

- Rotating modules as per data sheet M 1.201 and M 3.201
- Control modules as per data sheet M 8.200
- Control module with battery holder as per data sheet M 8.201



Technical data

Dimensions	56 x 130 x 23 mm
Code class	IP 66
Connecting cable	Coiled cable 1.6 m (usable length) with connector

Installation

Voltage supply and control of the hand panel is made by a *modulog* control module. The hand panel is ready for use after connection of the plug to the control module.



Application

Electrical operating elements for the operation of electrical *modulog* modules with memory function

Description

The hand panel with memory function has two push-buttons "up" and "down" to adjust the lifting modules and 5 programmable buttons for the memory function. To store a position, the lifting module is moved into the desired position and either the "M" button is operated at the same time with one of the position push-buttons "1–5" or the "M" button and shortly afterwards one of the five position push-buttons. The stored positions "1–5" can be approached by means of the position push-buttons. The stored positions are durably kept until they are overwritten by a new storage process.

Operation

Push the buttons "up" and "down" or "1–5" with the thumb in touch control mode.

Material

Body: Polyamide
Connecting cable: PUR

modulog

Hand panel

with memory function

Part no. 3823-160



Combinable with the modules

- Control modules as per data sheet M 8.200
- Control module with battery holder as per data sheet M 8.201



Technical data

Dimensions	56 x 130 x 23 mm
Code class	IP 66
Connecting cable	Coiled cable 1.9 m (usable length) with connector

Installation

Voltage supply and control of the hand panel is made by a *modulog* control module. The hand panel is ready for use after connection of the plug to the control module.

Foot switch, lines and connectors für *modulog* modules



Description

The foot switch is equipped with two push-buttons for the functions "up" and "down". The bottom side is skid-proof so that also in industrial applications a fixed position can be guaranteed.

Operation

Push the buttons "up" and "down" with the foot in touch control mode. When releasing a push-button the connected module stops immediately.

Material

Body: Polyamide
Connecting cable: PUR

Application

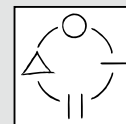
Electrical operating elements for the operation of electrical *modulog* lifting modules.

modulog

Foot switch

with up/down function

Part no. 3823-038



Combinable with the modules

- Rotating modules as per data sheet M 1.201 and M 3.201
- Control modules as per data sheet M 8.200
- Control module with battery holder as per data sheet M 8.201



Technical data

Dimensions	109 x 209 x 38 mm
Code class	IP 65
Connecting cable	3 m, smooth with connector

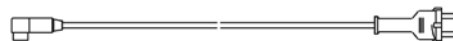
Installation

Voltage supply and control of the foot switch is made by a *modulog* control module. The foot switch is ready for use after connection of the plug to the control module.

Accessories

Mains cable

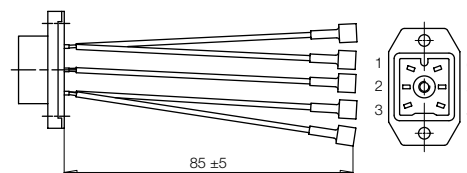
Cable version	smooth with shaped plug
Nominal voltage	230 V AC
Length	3 m
Material of isolation	PUR
Part no.	3823-040



Connector

	Part no.
Cable socket for self-assembly control ports	3141-868
Cable socket for self-assembly power supply	3141-871
Device plug for connection of ROEMHELD actuator to user control	3823-048

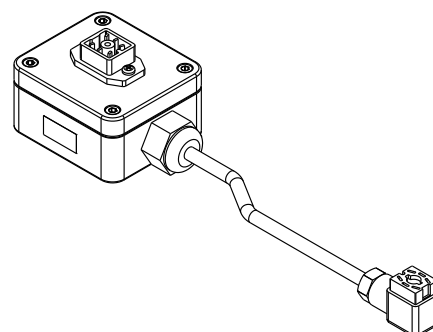
Device plug 3823-048



Extension cable

Cable version	smooth	smooth	smooth
Nominal voltage	24 V DC	24 V DC	24 V DC
Length	5 m	8 m	10 m
Material of isolation	PVC	PVC	PVC
Part no.	3823-175L050	3823-175L080	3823-175L100

For the connection of the lifting module to the control or from the operating elements to the control.





Control Modules for *modulog* modules



Application

Electronic control module for one *modulog* module and one operating element.

Note

The mains cable 230 VAC for power supply of the control module is not included in our delivery; it can be ordered separately as an accessory.

Material

Body: ABS

Fixing and installation

The control module is fixed with 4 screws M6 at the external clips. Operating elements, mains cables and lifting modules are connected with plug connections secured by screws to the control module.

Control modules with memory function or synchronization control are equipped with a setting mode that allows the operation of lifting modules with different force levels and stroke lengths with the control.

During the first start up, the setting mode has to be activated by the user. The control automatically adapts itself to the connected lifting module.

The process in detail, see operating manual.

Advantages

- Power supply and control in one device
- Plug-in connections for all devices to be connected
- Voltage supply 230 VAC
- Mains connection with shaped plug
- Compact and sturdy version
- Overload protection device

Description

The control module is used for power supply and control of one *modulog* lifting module with one operating element (as per data sheet M 8.203).

Variant

Ergonomically reasonable working heights for persons of different height as well as differently defined, reproducible nominal working heights within an assembly process can be stored with the memory function. **The memory function** allows to store up to five height positions of the lifting module. These can be recalled again and again or newly stored.

Operation is made via a hand panel that allows to store the height positions as well as to call them. Due to safety reasons, a movement is always made by touch control.

modulog

Control module

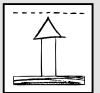
for 1 *modulog* module with memory function

Part no. 3821-XXX



Combinable with the modules

- Lifting modules as per data sheet M 4.XXX



Part numbers

Control module	Part no.
for 1 module with code letter E	3821-246

Control module with memory function	Part no.
for 1 module with code letter B or I	3821-415M

Technical data

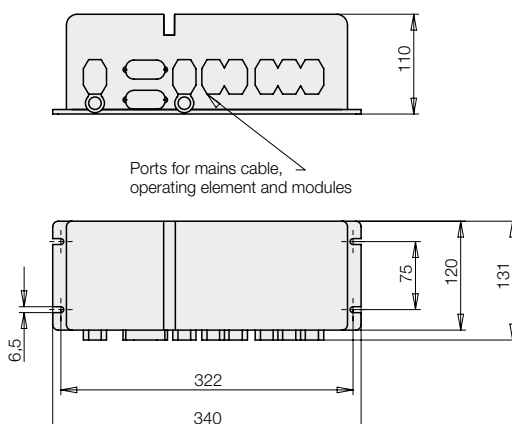
Supply voltage	230 V AC, 50 cycles
Operating voltage	24 V DC
Rating	240 VA
Electronic current limitation	10 A
Duty cycle	15 % – 1.5 min ON
Protection class	II
Code class	IP 66
Electrical connections	Plug connection secured by screw

Required accessories

Electrical operating elements, lines and connectors as per data sheet M 8.203

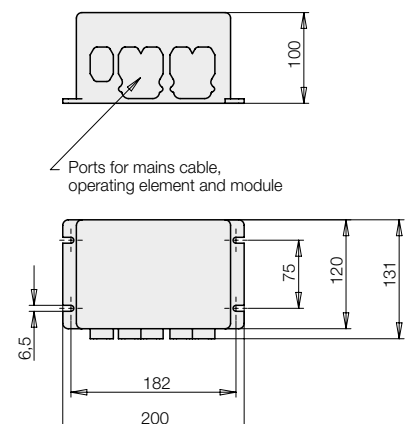
Dimensions

For 1 module with memory function



Dimensions

For 1 module



Control modules for 2, 3 or 4 *modulog* modules – with synchronization control – memory function



Advantages

- Power supply and control for 2, 3 or 4 *modulog* modules and one hand panel or foot switch in one device
- Simple start up of installations with modules with synchronization control
- Plug-in connections for all devices to be connected
- Voltage supply 230 VAC
- Simple mains connection with shaped plug
- Compact design and sturdy version

Description

The control module is used for power supply and control of either 2, 3 or 4 *modulog* lifting modules with one operating element.

Accessory

Electrical operating elements, lines and connectors as per data sheet M 8.203

Variants

Control modules with additional connections for external limit switches are available on request.

Important note!

When using lifting modules with synchronization control, the following conditions must be met.

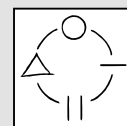
- All lifting units must be arranged parallel to each other and aligned. Especially in case of high loads on the system, considerable friction forces can occur in case of insufficient parallelism due to deformation of the system which can impair their function.
- The load must be located so that a small difference in height of the lifting modules cannot lead to a possible danger of persons or forced conditions between the lifting modules.
- A bearing with longitudinal compensation transverse to the lifting modules (fixed bearing-floating bearing) or an elastic buffer between the lifting modules and the fixtures is recommended.

modulog

Control module

for 2, 3 or 4 *modulog* modules

Part no. 3821-41XX



Combinable with the modules

- Lifting modules as per data sheet M 4.301



Part numbers

Control module	Part no.
for 2 modules with synchronization control with code letter G	3821-416
for 3 modules with synchronization control with code letter G	3821-417
for 4 modules with synchronization control with code letter G	3821-418

Control module with memory function (5 Pos.)	Part no.
for 2 modules with synchronization control with code letter G	3821-416M
for 3 modules with synchronization control with code letter G	3821-417M
for 4 modules with synchronization control with code letter G	3821-418M

Technical data

Supply voltage	230 V AC, 50 cycles
Operating voltage	24 V DC
Rating	240/480 VA
Electronic current limitation	depending on the version: 11 A or 22 A
Duty cycle	15 % – 1.5 min ON
Protection class	II
Code class	IP 66
Electrical connections	Plug connection secured by screw

Application

Electronic control module for 2, 3 or 4 *modulog* modules with synchronization control and one hand panel or foot switch.

Note

The mains cable 230 VAC for power supply of the control module is not included in our delivery; it can be ordered separately as an accessory.

Material

Body: ABS

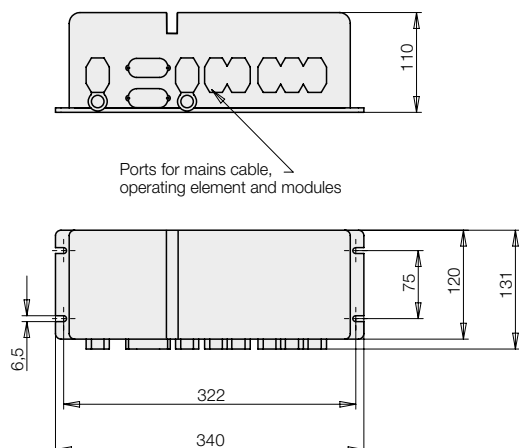
Fixing and installation

The control module is fixed with screws M6 at the external clips.

Mains cables, operating elements and lifting modules are connected with plug connections secured by screws to the control module.

Dimensions

For 2 modules



For 3 or 4 modules

