VarioLab+

Instruments for bench superstructures



DIAMETRAL®

VarioLab+

Module catalogue

Modules for superstructures and mini superstructures

Overview of instrument, power supply and connection modules

253 items · 21 categories

Each variant is listed separately with its designation and order number. Illustrations are shared by variants of the same basic type; the electrical configuration is specified in the description of each item.

Dimensions are taken from the product documentation. Unspecified or zero dimensions are omitted. Items without a corresponding illustration are marked accordingly.

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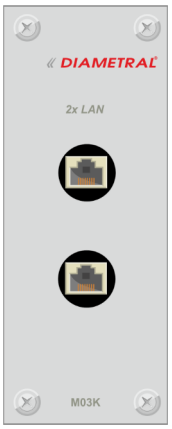
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Data and USB sockets

M03K 4.0

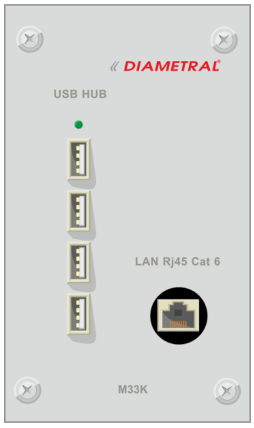


Description
2x RJ-45Cat6 LAN Data JackModule per channel or mini-extension, plastic (width 60 mm)

Order number: 53363

Dimensions:X = 60 mm, Z = 153 mm

M33K 4.0



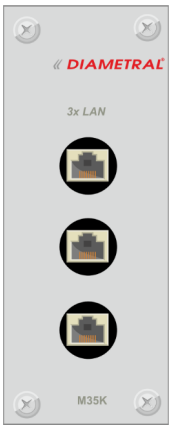
Description
4x USB 3.0 HUB module, 1x LAN RJ45for cable duct or mini-enclosure, plastic (width 90 mm)

Order number: 54240

Dimensions:X = 90 mm, Z = 153 mm

Data and USB sockets

M35K 4.0

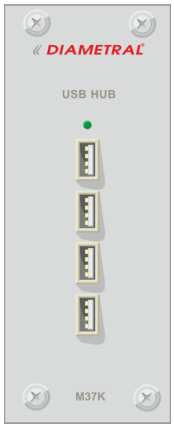


Description
Module with 3x Cat6 RJ-45LAN data jacks per channel or mini-module, plastic (60 mm wide)

Order number: 54251

Dimensions:X = 60 mm, Z = 153 mm

M37K 4.0



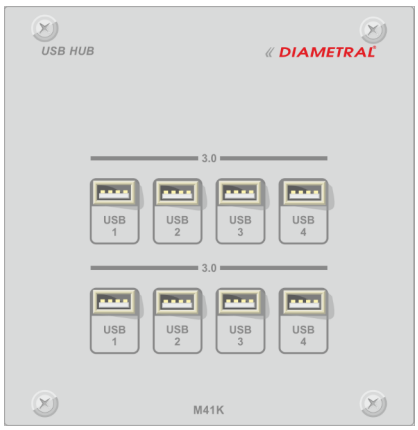
Description
4x USB 3.0 hub module, for cable duct or mini-rack mounting, plastic (width 60 mm)

Order number: 54299

Dimensions:X = 60 mm, Z = 153 mm

Data and USB sockets

M41K 4.0

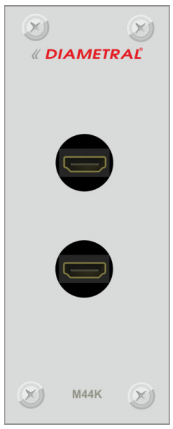


Description
USB 3.0 hub module with 8 USB ports for mini-enclosures, plastic (width 150 mm)

Order number: 53393

Dimensions: X = 150 mm, Z = 153 mm

M44K 4.0



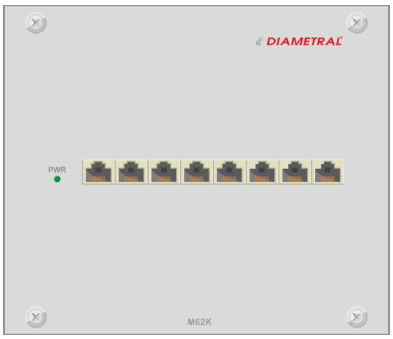
Description
Module with 2x HDMI ports for the power channel or mini-extension, plastic (width 60 mm)

Order number: 53399

Dimensions: X = 60 mm, Z = 153 mm

Data and USB sockets

M62K 4.0



Description

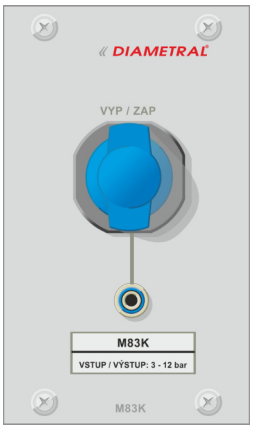
8-port 10/100 MB and 1 GB switch module, for channel / mini-enclosure, plastic (width 180 mm)

Order number: 56838

Dimensions: X = 180 mm, Z = 153 mm

Other media (compressed air)

M83K 4.0

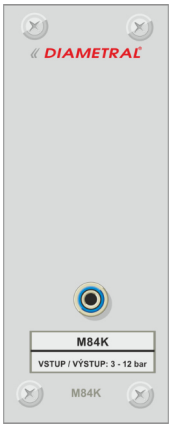


Description
Compressed air outlet module with quick-connect fitting and on/off switch, for installation in a duct or mini-enclosure, plastic (width 120 mm)

Order number: 53426

Dimensions: X = 120 mm, Z = 153 mm

M84K 4.0



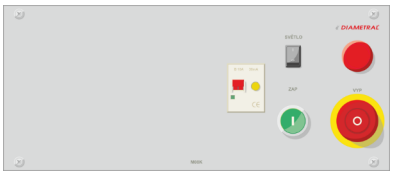
Description
Single compressed air outlet module with quick-connect fitting, for duct or mini-enclosure mounting, plastic (width 60 mm)

Order number: 53427

Dimensions: X = 60 mm, Z = 153 mm

Protective devices

M08K-10 4.1



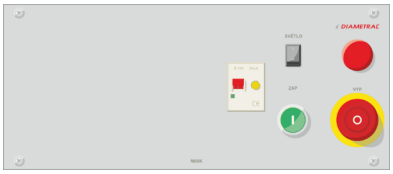
Description

Single-phase main switch module, 10A circuit breaker, residual current device, and TOTAL STOP button for conduit or mini-surface mounting, plastic (width 360 mm)

Order number: 53365

Dimensions: X = 360 mm, Z = 153 mm

M08K-16 4.1



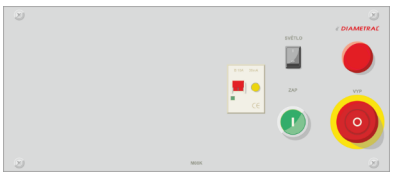
Description

Single-phase central circuit breaker module. 16A circuit breaker, residual current device, Start and TOTAL STOP buttons. Designed for an electrical conduit or mini-enclosure, plastic (width 360 mm)

Order number: 53366

Dimensions: X = 360 mm, Z = 153 mm

M08K-25 4.1



Description

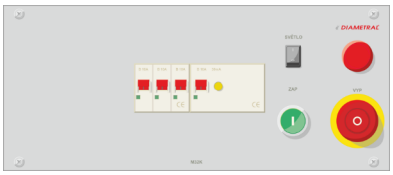
Single-phase central circuit breaker module. 25A circuit breaker, residual current device, Start and TOTAL STOP buttons. Designed for electrical conduit or mini-enclosure, plastic (width 360 mm)

Order number: 53425

Dimensions: X = 360 mm, Z = 153 mm

Protective devices

M32K-10 4.1



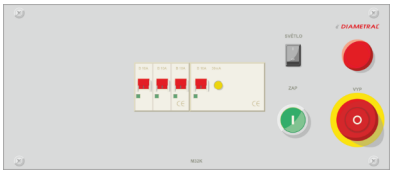
Description

Three-phase central switch module, 10A protection, residual current device, TOTAL STOP button for installation in a conduit or mini-enclosure, digital, plastic (width 360 mm)

Order number: 53376

Dimensions: X = 360 mm, Z = 153 mm

M32K-16 4.1



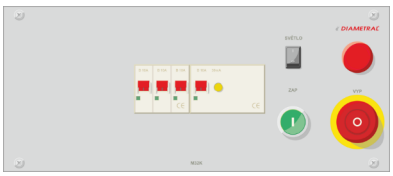
Description

Three-phase central switch module, 16A fuse protection, RCD, TOTAL STOP button for installation in a conduit or mini-panel, digital, plastic (width 360 mm)

Order number: 53322

Dimensions: X = 360 mm, Z = 153 mm

M32K-25 4.1



Description

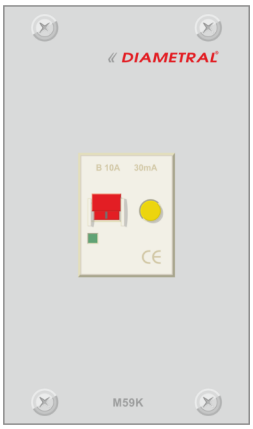
Three-phase central switch module, 25A fuse protection, RCD, TOTAL STOP button for installation in a conduit or mini-enclosure, digital, plastic (width 360 mm)

Order number: 57624

Dimensions: X = 360 mm, Z = 153 mm

Protective devices

M59K-16 4.0

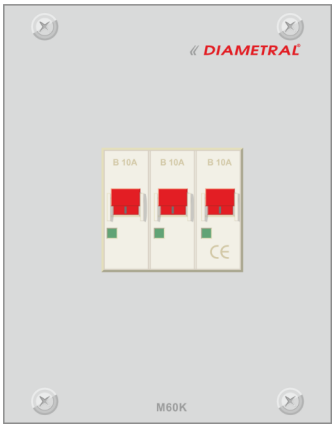


Description
16A / B / 0.03A single-phase circuit breaker module for channel/mini-enclosure, plastic

Order number: 53380

Dimensions:X = 120 mm, Z = 153 mm

M60K-10 4.0

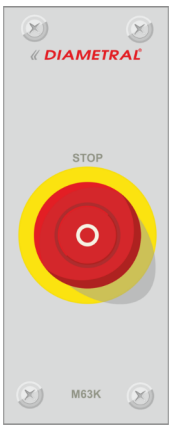


Description
Module with 3 single-phase 10 A / B circuit breakers for mini-enclosure, plastic (width 120 mm)

Order number: 53423

Dimensions:X = 120 mm, Z = 153 mm

M63K 4.0



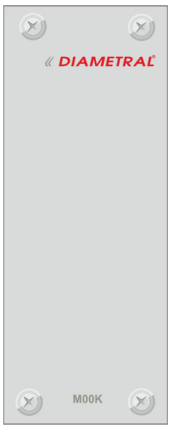
Description
VarioLAB+: Standalone TOTAL STOPbutton module, for channel / mini-enclosure, plastic (60 mm)

Order number: 53385

Dimensions:X = 60 mm, Z = 153 mm

Blanking plates

M00K 4.0

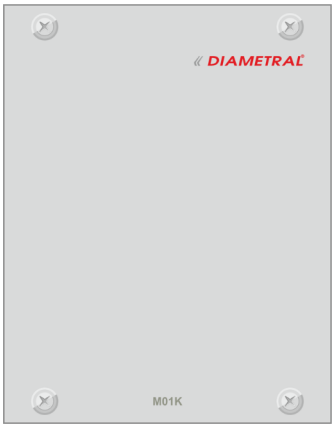


Description
Cover for empty slots, for channel / mini-extension, plastic (60 mm wide)

Order number: 53360

Dimensions:X = 60 mm, Z = 153 mm

M01K 4.0



Description
Cover for empty slots, for channel / mini-extension, plastic (120 mm wide)

Order number: 53361

Dimensions:X = 120 mm, Z = 153 mm

M22K 4.0



Description
VarioLab+ cover, for channel or mini-surface mounting, plastic (width 30 mm)

Order number: 53373

Dimensions:X = 30 mm, Z = 153 mm

Blanking plates

M58K 4.0



Description
VarioLab+ cover, for cable duct and mini-extension unit, plastic (width 240 mm)

Order number: 53379

Dimensions: X = 240 mm, Z = 153 mm

M85K 4.0



Description
VarioLab+ end cap, for metal duct / mini-enclosure, plastic (width 40 mm)

Order number: 53428

Dimensions: X = 40 mm, Z = 153 mm

Blanking plates

PZR-00K 4.0

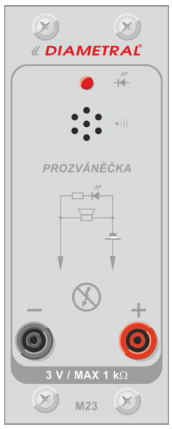
Image not available

Description
Blanking module for a pair of empty rear socket positions (PZR-01K)(for metal channel)

Order number: 53419

Measuring instruments

M23K 4.0



Description
Circuit tester module, for conduit / mini-enclosure, plastic (width 60 mm)

Order number: 53374

Dimensions:X = 60 mm, Z = 153 mm

M36K 4.0

Image not available

Description
Module with DC voltmeter (0–48 V) and ammeter (0–10 A) for mini-mounting, plastic (width 240 mm)

Order number: 54288

Dimensions:X = 240 mm, Z = 153 mm

M86K 4.0



Description
Multimeter module with bracket, for metal conduit / mini-mount, plastic (width 120 mm)

Order number: 56837

Dimensions:X = 120 mm, Z = 153 mm

Soldering stations

M28K 4.0



Description

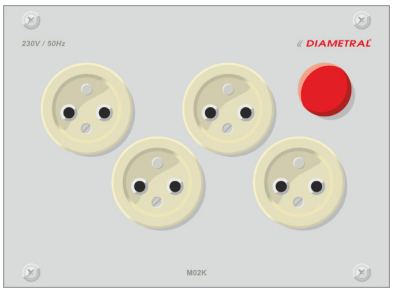
VarioLab+ module for channel mounting, micro soldering iron 80–450°C / 35W, plastic (width 180 mm)

Order number: 53332

Dimensions:X = 180 mm, Z = 153 mm

Sockets and terminals (230–400 V)

M02K 4.0

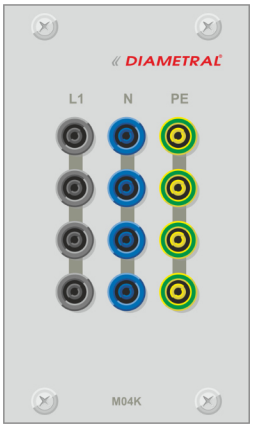


Description
Module with 4x 230V, 50Hz, 10A CZ, SK, PL, FR outlets with indicator light, for channel or mini-enclosure, plastic (width 210 mm)

Order number: 53362

Dimensions: X = 210 mm, Z = 153 mm

M04K 4.0

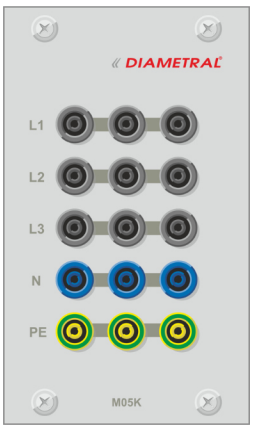


Description
1-phase 230 V/10 A safety output terminal module for a channel or mini-enclosure, plastic (width 90 mm)

Order number: 53388

Dimensions: X = 90 mm, Z = 153 mm

M05K 4.0



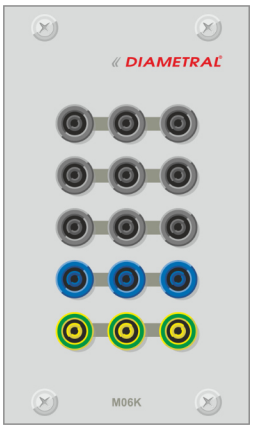
Description
Safety three-phase socket module 3x 400V/10A, PE, N (5 rows of 3 sockets each) for a channel or mini-enclosure, plastic (width 90 mm)

Order number: 53364

Dimensions: X = 90 mm, Z = 153 mm

Sockets and terminals (230–400 V)

M06K 4.0

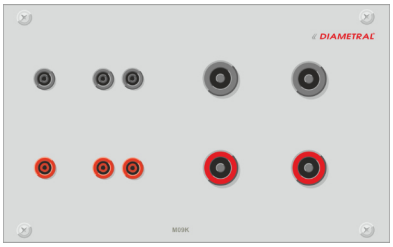


Description
Safety connection terminal block module, 5 rows / 3 terminals, 400V/10A, for a channel or mini-enclosure, plastic (width 90 mm)

Order number: 53392

Dimensions:X = 90 mm, Z = 153 mm

M09K 4.0

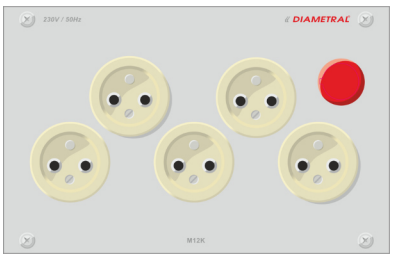


Description
Safety terminal block module with 6 x 32A terminals and 4 x 125A terminals for an energy channel or mini-enclosure, plastic (width 240 mm)

Order number: 53400

Dimensions:X = 240 mm, Z = 153 mm

M12K 4.0



Description
5x 230 V, 50 Hz, 10 A CZ, SK, PL, FR Outlet Module per channel or for mini-rack mounting, plastic (width 240 mm)

Order number: 53369

Dimensions:X = 240 mm, Z = 153 mm

Sockets and terminals (230–400 V)

M13K 4.0

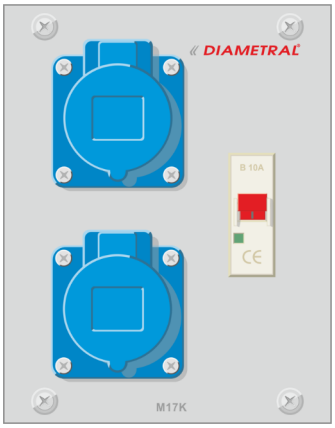


Description
Stand-alone rocker switch module 0/1, designed for channel mounting or mini-surface mounting

Order number: 53370

Dimensions:X = 30 mm, Z = 153 mm

M17K 4.0



Description
Module with 2 x 230 V outlets with covers (flip-top lids), 50 Hz, 10 A (CZ/FR), and a single-phase B10A circuit breaker; for channel mounting or mini-enclosure; plastic (width 120 mm)

Order number: 53317

Dimensions:X = 120 mm, Z = 153 mm

M19K 4.0



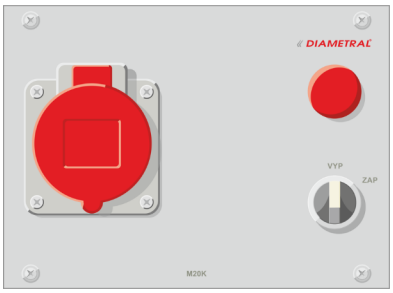
Description
Rotary control module with safety key (BKS E1 (VW) – for Škoda cars, Auspicious – for others); the key can be removed in both the ON and OFF positions; power indicator light; module for channel or mini-enclosure, plastic (width 90 mm)

Order number: 53320

Dimensions:X = 90 mm, Z = 153 mm

Sockets and terminals (230–400 V)

M20K-16 4.0

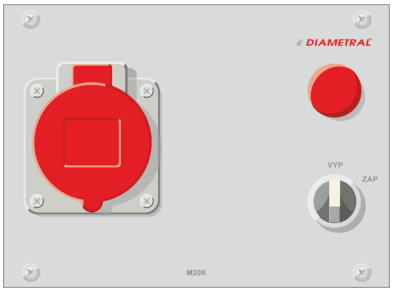


Description
Three-phase 16A socket module for channel installation with a switch, plastic (width 210 mm)

Order number: 53371

Dimensions:X = 210 mm, Z = 153 mm

M20K-32 4.0

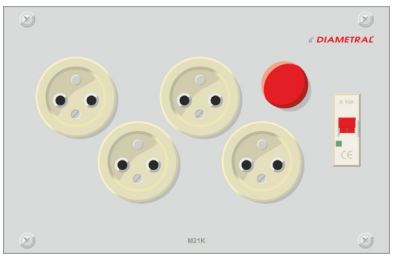


Description
Three-phase 32A socket module (max. 25A load) for channel installation with a switch, plastic (width 210 mm)

Order number: 57625

Dimensions:X = 210 mm, Z = 153 mm

M21K 4.0



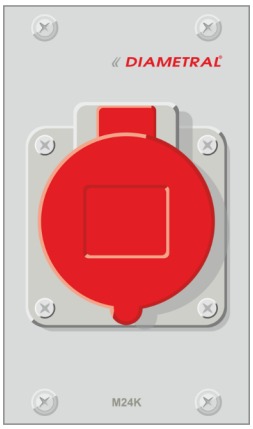
Description
Module with 4x 230 V, 50 Hz, 10 A outlets with built-in circuit breaker, for installation in a channel or mini-enclosure, plastic (width 240 mm)

Order number: 53372

Dimensions:X = 240 mm, Z = 153 mm

Sockets and terminals (230–400 V)

M24K 4.0

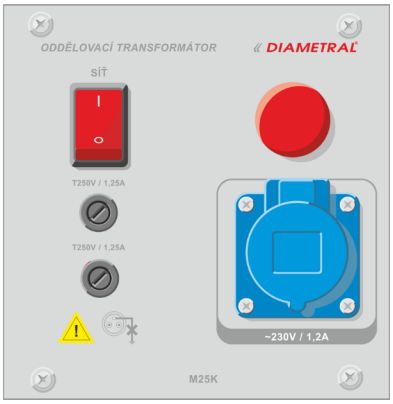


Description
Stand-alone three-phase 16A outlet module (IP44) for conduit or mini-enclosures, plastic (width 90 mm)

Order number: 53318

Dimensions: X = 90 mm, Z = 153 mm

M25K 4.0

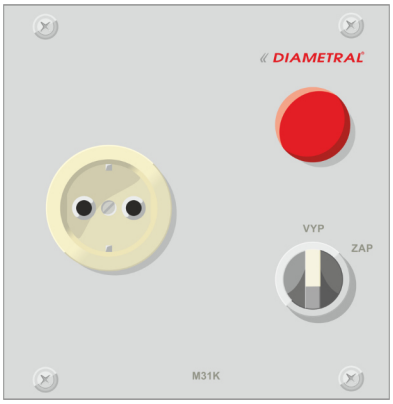


Description
Module with 1 x 230 V, 50 Hz socket, with isolation transformer, MAX 1.2 A, CZ, SK, PL, FR for conduit or mini-enclosure, plastic (width 150 mm)

Order number: 53375

Dimensions: X = 150 mm, Z = 153 mm

M31K 4.0



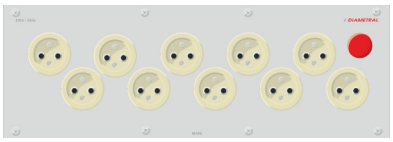
Description
Module with 1x 230V “SCHUKO” outlet, 50 Hz, on/off switch, for conduit or mini-surface mounting, plastic (width 150 mm)

Order number: 53397

Dimensions: X = 150 mm, Z = 153 mm

Sockets and terminals (230–400 V)

M34K 4.0

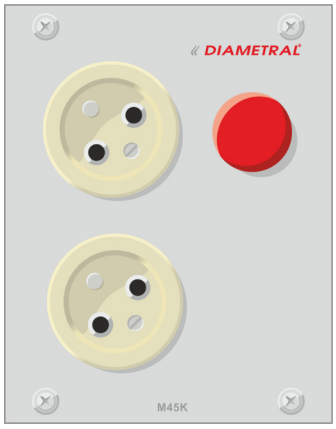


Description
Module with 10x 230V, 50Hz, 10A outlets (CZ, SK, PL, FR) for a cable duct or mini-extension, plastic (width 460 mm)

Order number: 53355

Dimensions: X = 460 mm, Z = 153 mm

M45K 4.0



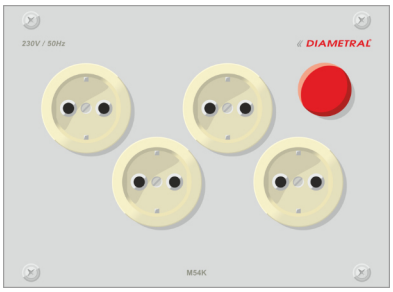
Description
Module with 2x 230V, 50 Hz, 10A outlets (CZ, SK, PL, FR) with indicator light, for channel or mini-extension, plastic (width 120 mm)

Order number: 53401

Dimensions: X = 120 mm, Z = 153 mm

Sockets and terminals (230–400 V)

M54K 4.0

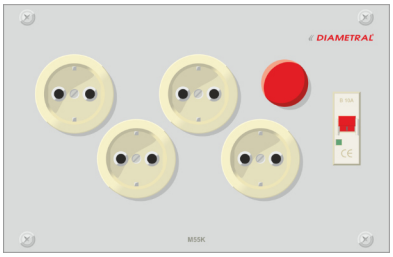


Description
Module with 4x 230 V, 50 Hz, 16 A “SCHUKO” outlets for a conduit or mini-enclosure, plastic (width 210 mm)

Order number: 53377

Dimensions: X = 210 mm, Z = 153 mm

M55K 4.0

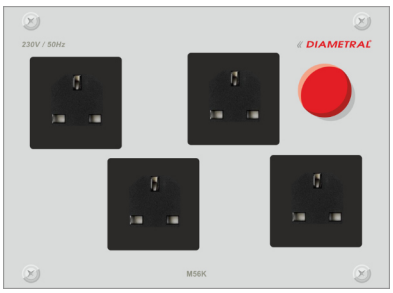


Description
Module with 4x 230V, 50Hz, 10/16 A “SCHUKO” with built-in 16 A circuit breaker, for installation in a conduit or mini-enclosure, plastic (width 240 mm)

Order number: 53378

Dimensions: X = 240 mm, Z = 153 mm

M56K 4.0



Description
4x 230V, 50Hz, UK BS 1363 outlet module per channel, or mini-rack mount, plastic, (width 210 mm) UK standard

Order number: 53394

Dimensions: X = 210 mm, Z = 153 mm

Sockets and terminals (230–400 V)

M57K 4.0

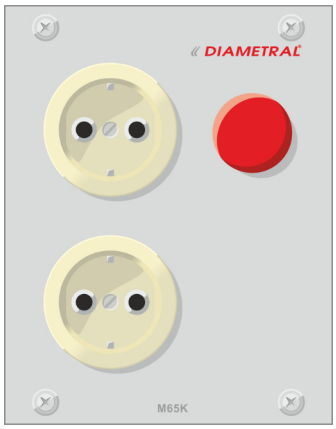


Description
Module: 1x 230 V, 50 Hz, UK BS 1363 outlet per channel or mini-rack, plastic (width 120 mm), UK standard

Order number: 53422

Dimensions:X = 120 mm, Z = 153 mm

M65K 4.0



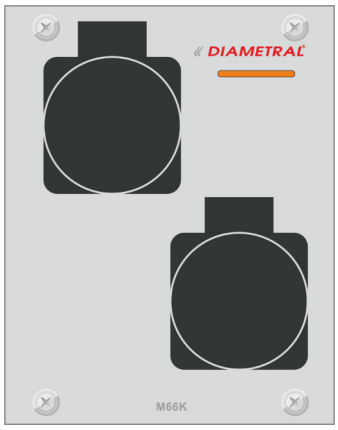
Description
Module with 2x 230V, 50Hz, 10A SCHUKOoutlets with indicator light, for channel or mini-extension, plastic (width 120 mm)

Order number: 57626

Dimensions:X = 120 mm, Z = 153 mm

Sockets and terminals (230–400 V)

M66K 4.0

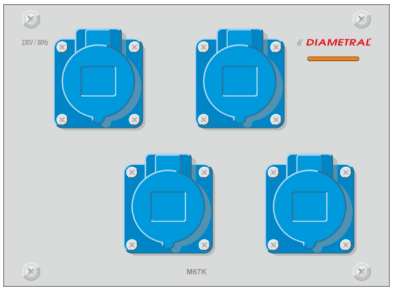


Description
Module with 2x 120V, 60Hz, 15A NEMA 5-15 (IP44) outlets with hinged cover, for conduit or mini-surface mounting, plastic (width 120 mm)

Order number: 56851

Dimensions: X = 120 mm, Z = 153 mm

M67K 4.0

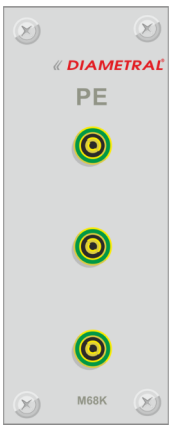


Description
Module with 4x 230V, 50Hz, 16A IP54 outlets, for channel or mini-surface mounting, plastic (width 240 mm)

Order number: 56852

Dimensions: X = 240 mm, Z = 153 mm

M68K 4.0



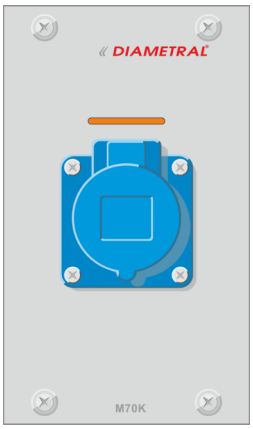
Description
VarioLAB+: 3x yellow-green grounding terminals for grounding connected devices (connected to the table frame).

Order number: 58654

Dimensions: X = 60 mm, Z = 200 mm

Sockets and terminals (230–400 V)

M70K 4.0



Description
Module with 1x 230V outlet with cover (flip-top), 50 Hz, 10 A, CZ/FR, IP 54, for channel or mini-extension, plastic (width 120 mm)

Order number: 56853

Dimensions: X = 120 mm, Z = 153 mm

M81K 4.0

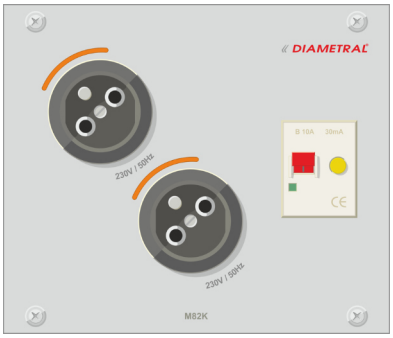


Description
ON/OFF switch module with latch, both positions secured by a lock, power indicator light, for channel/mini-enclosure

Order number: 56867

Dimensions: X = 60 mm, Z = 153 mm

M82K 4.0



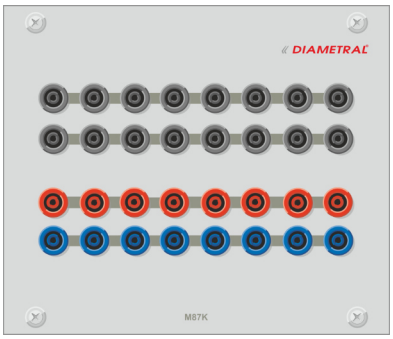
Description
Module with 2x 230 V, 50 Hz, 10 A with built-in circuit breaker, for installation in a conduit or mini-enclosure

Order number: 56863

Dimensions: X = 180 mm, Z = 153 mm

Sockets and terminals (230–400 V)

M87K 4.0



Description
Module with 2x8 DC sockets and 2x8 AC sockets, for metal channel / mini-rack, plastic (width 180 mm)

Order number: 56836

Dimensions:X = 180 mm, Z = 153 mm

M88K 4.0

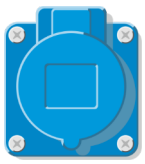


Description
Safety connection terminal block module: 2x 4 mm “SENSE,”4x 4 mm 32 A, and 4x 125 A; external DC power supply output; for power channel or mini-enclosure, plastic (width 210 mm)

Order number: 57627

Dimensions:X = 210 mm, Z = 153 mm

PZR-01K 4.0



Description
Module with 1 rear outlet, 230 V, 50 Hz, 6 A (CZ, SK, FR), for sheet metal channel, blue with flip-up cover.

Order number: 53418

Sockets and terminals (230–400 V)

PZR-08K 4.0

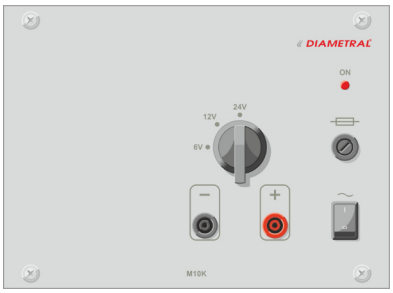


Description
8-outlet rear module, 230 V, 50 Hz, 6 A (CZ, SK, FR), for sheet metal channel, plastic

Order number: 53324

Power supplies (up to 50 V)

M10K 4.0

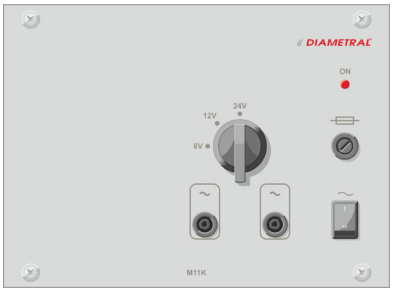


Description
6-12-24V/2 A unregulated, unfiltered DC power supply module for a channel or mini-rack, plastic (width 150 mm)

Order number: 53367

Dimensions:X = 150 mm, Z = 153 mm

M11K 4.0



Description
AC power supply module 6–12–24 V / 2 A for a channel or mini-superstructure, plastic (width 150 mm)

Order number: 53368

Dimensions:X = 150 mm, Z = 153 mm

M14K 4.0



Description
12 V/1 A regulated DC power supply module, ON/OFF switch, power indicator. The power supply is protected against overload, overheating, overvoltage, and short-circuit protection. Power output via 4 mm safety sockets; module for a channel or mini-enclosure, plastic (width 120 mm)

Order number: 53314

Dimensions:X = 120 mm, Z = 153 mm

Power supplies (up to 50 V)

M15K 4.0

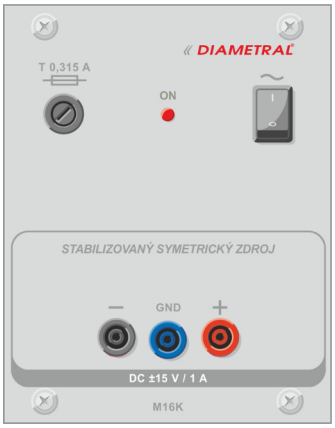


Description
5 V/2 A regulated DC power supply module, ON/OFFswitch, power indicator light. The power supply is protected against overload, overheating, overvoltage, and short circuits. Output via 4 mm safety sockets and 1 USB port for charging mobile devices; module for channel or mini-extension, plastic (width 120 mm)

Order number: 53315

Dimensions:X = 120 mm, Z = 153 mm

M16K 4.0



Description
Stabilized symmetrical DC power supply module ±15 V / 1 A, ON/OFFswitch, power indicator light. The power supply is protected against overload, overheating, overvoltage, and short-circuit protection. Power supply output via 4 mm safety sockets; module for a channel or mini-rack, plastic (width 150 mm)

Order number: 53316

Dimensions:X = 150 mm, Z = 153 mm

M18K 4.0



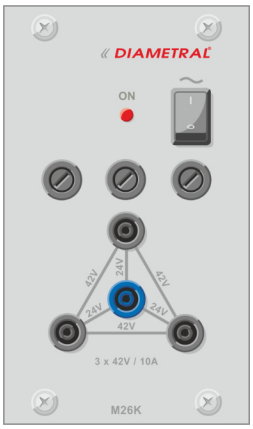
Description
24V/4 A regulated DC power supply module, ON/OFFswitch, power indicator light. The power supply is protected against overload, overheating, overvoltage, and short circuits. Power supply output via 4 mm safety sockets; module for channel or mini-rack mounting, plastic (width 120 mm)

Order number: 53319

Dimensions:X = 120 mm, Z = 153 mm

Power supplies (up to 50 V)

M26K 4.0



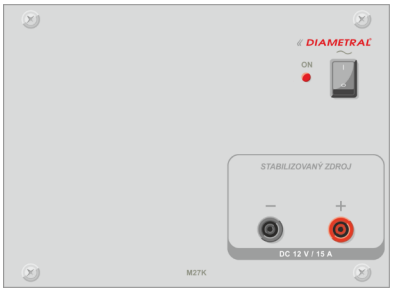
Description

AC module – three-phase transformer 3x 42 V/24 V/10 A. One end of each phase winding is connected together to the N terminal, while the other ends are connected individually to the L1, L2, and L3 terminals — Y-connection. The Lx-N voltage is 24V, and the Lx-Lx voltage is 42V; plastic (width 90 mm)

Order number: 53321

Dimensions:X = 90 mm, Z = 153 mm

M27K 4.0



Description

12V/15A stabilized DC power supply module, ON/OFFswitch, power indicator light. The power supply is protected against overload, overheating, overvoltage, and short circuits. Power supply output via 4mm safety sockets; module for a channel or mini-rack, plastic (width 210 mm)

Order number: 53330

Dimensions:X = 210 mm, Z = 153 mm

Power supplies (up to 50 V)

M30K-transformer



Description

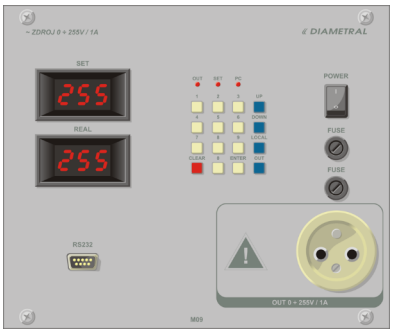
AC Module – three-phase transformer 3x 42V/24V/10A with OP-xx control via a 12V DC relay. One end of each phase winding is connected together to the N terminal, while the other ends are connected individually to the L1, L2, and L3 terminals—Y-connection. The Lx-N voltage is 24V, the Lx-Lx voltage is 42V; housed in a plastic box.

Order number: 53387

Dimensions: X = 90 mm, Z = 153 mm

AC power supplies

M09 4.0



Description
VarioLAB+: Stabilized AC power supply module with a range of 0 V–255 V/1 A, plastic (240 mm)

Order number: 53209

Dimensions:X = 240 mm, Z = 200 mm

M102 4.0

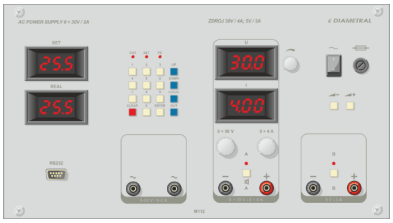


Description
VarioLAB+: AC power supply module 6–12–24–48V / 2.0 A, plastic (width 120 mm)

Order number: 54269

Dimensions:X = 120 mm, Z = 200 mm

M112 4.0



Description
VarioLAB+: AC/DC laboratory adjustable power supply module (AC 0–255 V/2 A, DC 0–32 V/4.1 A, 5 V/3 A), plastic (width 390 mm)

Order number: 53405

Dimensions:X = 390 mm, Z = 200 mm

AC power supplies

M127 4.0

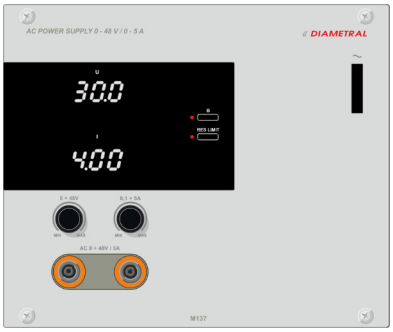


Description
VarioLAB+: AC/DC power supply module, 0–30 VDC / 0–4 A and 0–48 VAC / 0–5 A, with AC and DC current limiting and an LED display, plastic (width 390 mm)

Order number: 57561

Dimensions:X = 390 mm, Z = 200 mm

M137 4.0

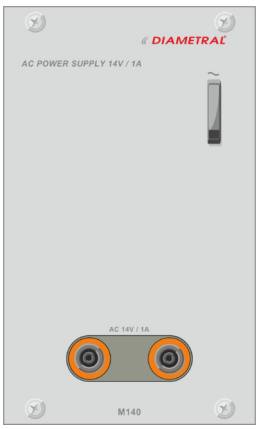


Description
VarioLAB+: AC power supply module 0-4 8 VAC / 0–5 A with current limiting and an LED display.

Order number: 57594

Dimensions:X = 240 mm, Z = 200 mm

M140 4.0



Description
VarioLAB+: AC power supply module 14 V @ 1 A, plastic (width 120 mm)

Order number: 54306

Dimensions:X = 120 mm, Z = 200 mm

AC power supplies

M24 4.0

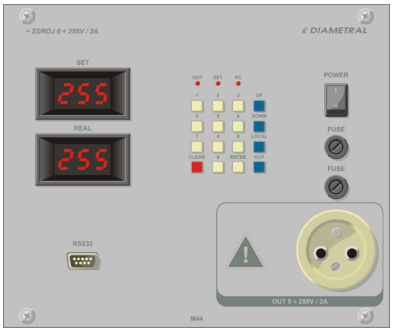


Description
VarioLAB+: AC power supply module with 24V / 2A output voltage, outlet, equipped with an indicator light and a power switch, plastic (width 120 mm)

Order number: 53227

Dimensions:X = 120 mm, Z = 200 mm

M44 4.0

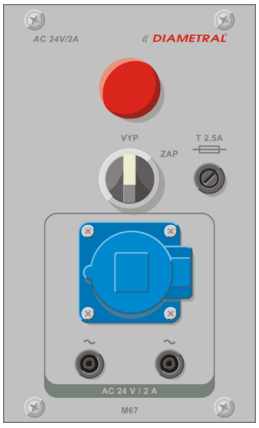


Description
VarioLAB+: Stabilized AC power supply module with a range of 0 V–255 V/2 A, plastic (width 240 mm)

Order number: 53251

Dimensions:X = 240 mm, Z = 200 mm

M67 4.0



Description
VarioLAB+: AC 24V/2A power supply module with 1 outlet, safety sockets, indicator light, power switch, plastic (width 120 mm)

Order number: 53273

Dimensions:X = 120 mm, Z = 200 mm

AC power supplies

M87 4.0



Description
VarioLAB+: AC power supply module 6–12–24 V / 2 A, plastic (width 120 mm)

Order number: 53283

Dimensions: X = 120 mm, Z = 200 mm

Data interfaces

M06 4.0

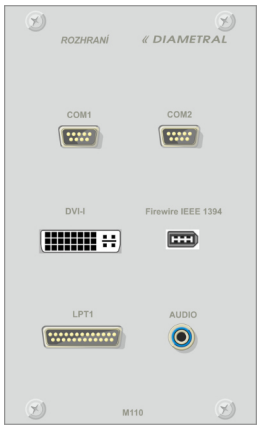


Description
VarioLAB+: RS232 data interface module (COM1 and COM2), plastic (width 60 mm) The module serves as an extension for the COM ports.

Order number: 53206

Dimensions: X = 60 mm, Z = 200 mm

M110 4.0



Description
VarioLAB+: Data interface module with 2x RS232, LPT, FireWire, DVI-I, and Audio ports, plastic (width 60 mm)

Order number: 54296

Dimensions: X = 60 mm, Z = 200 mm

M138 4.0



Description
VarioLAB+: Data interface module with 2 x LAN-RJ45, Cat6, including 2 x 5-meter LAN UTP Cat 6 connection cables (width 60 mm)

Order number: 57596

Dimensions: X = 60 mm, Z = 200 mm

Data interfaces

M28 4.0



Description
VarioLAB+: RS232, LPT, and USB data interface module, including connection cables, plastic (width 60 mm)

Order number: 53233

Dimensions: X = 60 mm, Z = 200 mm

M38 4.0

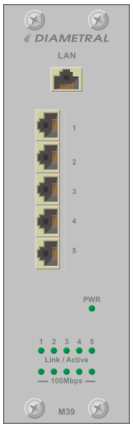


Description
VarioLAB+: RS232, LPT, USB, and LAN-RJ45data interface module, including cabling, plastic (width 60 mm)

Order number: 53245

Dimensions: X = 60 mm, Z = 200 mm

M39 4.0



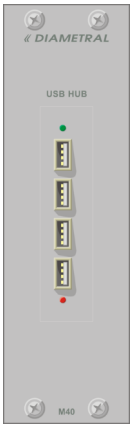
Description
VarioLAB+: 10/100 MB LAN switch module, 5 ports, plastic (width 60 mm)

Order number: 53246

Dimensions: X = 60 mm, Z = 200 mm

Data interfaces

M40 4.0

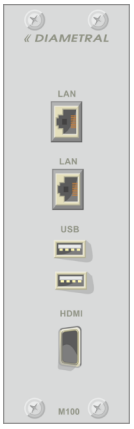


Description
VarioLAB+: USB 3.0 Hub Module, 4 ports, plastic (width 60 mm)

Order number: 53247

Dimensions: X = 60 mm, Z = 200 mm

M84 4.0



Description
VarioLAB+: Data interface module with 2 x USB, 1 x LAN-RJ45, and 1 x HDMI, including 2 x 3-meter USB cables and 1 x 5-meter LAN UTP Cat5e cable; HDMI cable not included, plastic (width 60 mm)

Order number: 53280

Dimensions: X = 60 mm, Z = 200 mm

M85 4.0



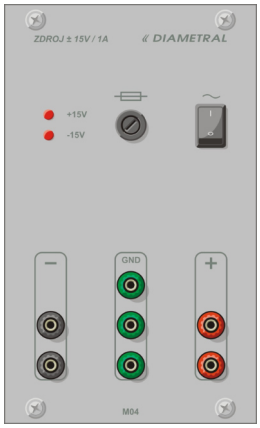
Description
VarioLAB+: Data interface module: 2 x USB, 1 x LAN-RJ45, including 2 x 3-meter USB cables and 1 x 5-meter UTP Cat5e LAN cable, plastic (width 60 mm)

Order number: 53281

Dimensions: X = 60 mm, Z = 200 mm

DC power supplies

M04 4.0



Description

VarioLAB+: ±15V / 1A DC power supply module, plastic (width 120 mm) supply voltage: 230 V / 50 Hz max. output current: ± 1 A fixed voltage: ± 15 V typical ripple: < 10 mV Design with electronic output fuse. The presence of voltage at the output terminals is indicated by separate indicator lights . Connection is via a Quick connector to the intelligent bus. The module is subordinate to the M08 (M32) power supply and protection module. SMD Model

Order number: 53204

Dimensions:X = 120 mm, Z = 200 mm

M05 4.0



Description

VarioLAB+: DC laboratory adjustable power supply module 1x0–32V/4.1A, 5V/3A, plastic (width 180 mm) Supply voltage: 230 V / 50 Hz Regulated voltage: 1x 0 ÷ 32 V Adjustable current: 1x 0 ÷ 4.1 A Fixed voltage: 1x 5 V Fixed current: 1x 3 A Typical ripple: < 2 mV Maximum ripple: 10 mV Voltage stability with mains variation +6/-10%: approx. 0.05% Current stability with mains variation +6/-10%: approx. 0.05% Type of measuring instruments: digital Number of measuring instruments: 2 Accuracy class of measuring instruments: 2 Current limit indication: A / O Volume control for audible indication: yes Start-up spike protection: yes Independent output shutdown: yes Combination of adjustable power supplies into a symmetrical power supply: no Heatsink thermostat with fan: yes Memory of output status before shutdown: yes Heatsink thermal fuse: no The DC (direct current) power supply module is equipped with a single power supply featuring continuous voltage regulation in the range of 0 to 32 V, with adjustable current limiting from 0.1 to 4.1 A. This model also features a fixed 5 V/ 3 A. The adjustable portion of the power supply is equipped with meters for both voltage and current. Current limit is indicated by a flashing decimal point on the current meter and an intermittent audible signal. This audible signal can be turned off as needed. The outputs of the individual power supplies are controlled by a separate button with an indicator light for easy operation. This eliminates the need to turn off the entire laboratory power supply while working. To protect against thermal overload, it is equipped with a temperature sensor and a fan that, if necessary, cools the power components' heat sinks to an acceptable temperature. The transformer is sufficiently rated to continuously deliver maximum power to the load.

Order number: 53205

Dimensions:X = 180 mm, Z = 200 mm

DC power supplies

M106 4.0

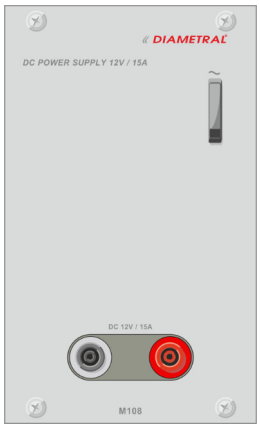


Description
VarioLAB+: 5V/5A DC stabilized power supply module, short-circuit and overload protection, indicator light, rocker switch, plastic (width 120 mm)

Order number: 54283

Dimensions:X = 120 mm, Z = 200 mm

M108 4.0



Description
VarioLAB+: 12V/15A DC stabilized power supply module, short-circuit and overload protection, indicator light, power switch, plastic (width 120 mm)

Order number: 54285

Dimensions:X = 120 mm, Z = 200 mm

DC power supplies

M109 4.0



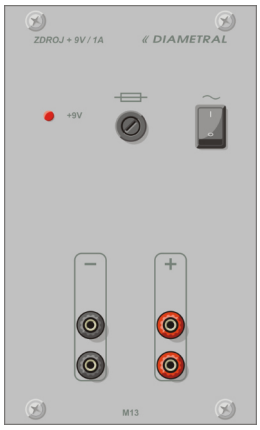
Description

VarioLAB+: 24V/4A stabilized DC power supply module, short-circuit and overload protection, indicator light, power switch, plastic (width 120 mm). This module replaced the original M97 sheet-metal module

Order number: 54286

Dimensions:X = 120 mm, Z = 200 mm

M13 4.0



Description

VarioLAB+: 9 V / 1 A DC Power Supply Module, regulated, plastic (width 120 mm)

Order number: 53214

Dimensions:X = 120 mm, Z = 200 mm

DC power supplies

M136 4.0



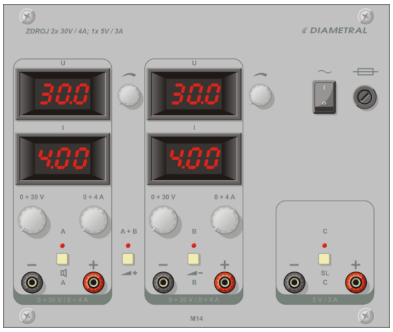
Description

VarioLAB+: Stabilized 5V/2 A DC power supply module, ON/OFFswitch, power indicator light. Protection against overload, overheating, overvoltage, and short circuit. Power output via 4mm safety jacks and 1x USBport for charging mobile devices.

Order number: 57595

Dimensions:X = 120 mm, Z = 200 mm

M14 4.0



Description

VarioLAB+: DC laboratory power supply module 2x0 -32 V/4.1 A, 5 V/3 A, plastic (width 240 mm)

Order number: 53215

Dimensions:X = 240 mm, Z = 200 mm

M148 4.0



Description

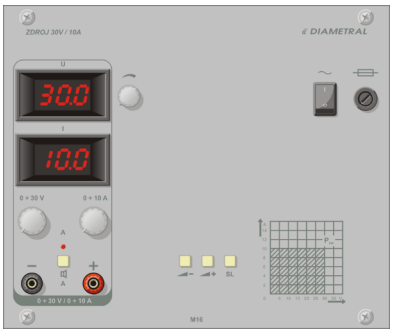
VarioLAB+: DC laboratory power supply module 0–60 V/0–5 A, plastic (width 120 mm) Description: - single-channel DC power supply - adjustable voltage and current - backlit triple LED display for U(V), I(A), and P(W) Constant voltage mode: - voltage stability ±0.2% ± 3 mV - low voltage: 0.3–0.4% ± 3 mV - load stability: ?0.5% ± 3 mV - ripple and noise: ?150 mVp-p Constant current mode: - current stability: ?0.2% ± 3 mA - load stability: ?0. 2% ± 3 mA - ripple and noise ?20 mAms - display accuracy: 0.5% ± 2 digits - display resolution: voltage 0.01 V / 0.01 V - display resolution: current 0.001 A / 0.01 A

Order number: 54314

Dimensions:X = 120 mm, Z = 200 mm

DC power supplies

M16 4.0



Description
VarioLAB+: DC laboratory regulated power supply module 1x0–30 V/10 A, plastic (width 240 mm)

Order number: 53217

Dimensions:X = 240 mm, Z = 200 mm

M27 4.0



Description
VarioLAB+: Module with a balanced DC power supply ±15V / 1A and a 5V/3A DC power supply, plastic (width 120 mm)

Order number: 53232

Dimensions:X = 120 mm, Z = 200 mm

M33 4.0



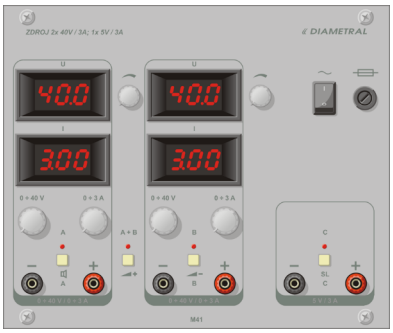
Description
VarioLAB+: DC laboratory regulated power supply module 1x0-30V/20A, plastic (width 390 mm) WARNING! This module CANNOTbe combined with PZR-06 rear sockets!!

Order number: 53239

Dimensions:X = 390 mm, Z = 200 mm

DC power supplies

M41 4.0



Description
VarioLAB+: DC laboratory regulated power supply module 2x0-42V/3.1A, 5V/3A, plastic (width 240 mm)

Order number: 53248

Dimensions:X = 240 mm, Z = 200 mm

M42 4.0



Description
VarioLAB+: DC laboratory adjustable power supply module 1x 0–42 V/3.1 A and fixed 5 V DC/3 A power supply, plastic (width 180 mm)

Order number: 53249

Dimensions:X = 180 mm, Z = 200 mm

M43 4.0



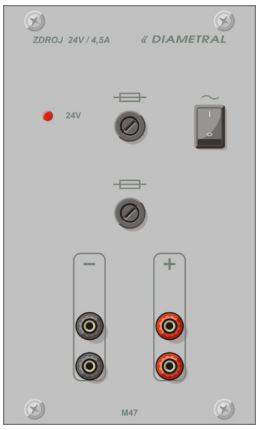
Description
VarioLAB+: ±24 V/1 A stabilized DC power supply module, plastic (width 120 mm)

Order number: 53250

Dimensions:X = 120 mm, Z = 200 mm

DC power supplies

M47 4.0

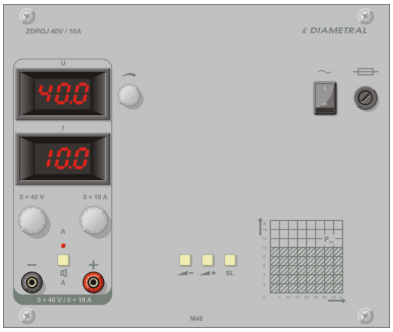


Description
VarioLAB+: 24V/4.5A unregulated and unfiltered DC power supply module, plastic (width 120 mm)

Order number: 53254

Dimensions:X = 120 mm, Z = 200 mm

M48 4.0



Description
VarioLAB+: 1 x 0–40 V / 10 A adjustable DC laboratory power supply module, plastic (width 240 mm)

Order number: 53255

Dimensions:X = 240 mm, Z = 200 mm

M53 4.0



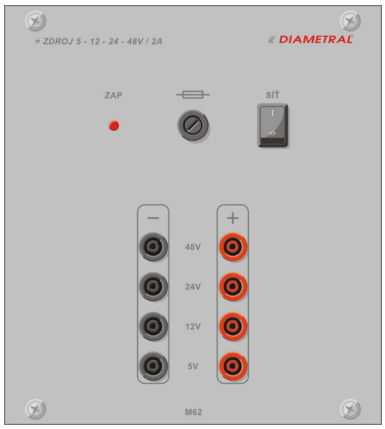
Description
VarioLAB+: Unregulated, unfiltered DC power supply module, 6–12–24–48V/2.0 A, plastic (width 120 mm)

Order number: 53260

Dimensions:X = 120 mm, Z = 200 mm

DC power supplies

M62 4.0

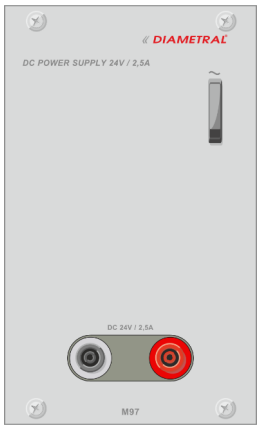


Description
VarioLAB+: Stabilized DC power supply module 5–12–24–48 V / 2 A, plastic (width 180 mm)

Order number: 53268

Dimensions:X = 180 mm, Z = 200 mm

M97 4.0



Description
VarioLAB+: 24 V/2.5 A stabilized DC power supply module, short-circuit and overload protection, indicator light, power switch, plastic (width 120 mm)

Order number: 54300

Dimensions:X = 120 mm, Z = 200 mm

M99 4.0



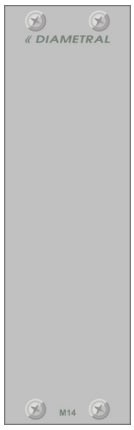
Description
VarioLAB+: 15V/5A stabilized DC power supply module, short-circuit and overload protection, indicator light, rocker switch, plastic (width 120 mm)

Order number: 53351

Dimensions:X = 120 mm, Z = 200 mm

Blanking plates

M00 4.0

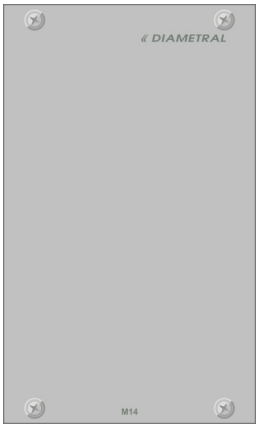


Description
VarioLab+: Cover, 60 mm wide, plastic

Order number: 53200

Dimensions:X = 60 mm, Z = 200 mm

M01 4.0



Description
VarioLab+: Cover, 120 mm wide, plastic

Order number: 53201

Dimensions:X = 120 mm, Z = 200 mm

M22 4.0



Description
VarioLAB+: Cover, plastic (width 30 mm)

Order number: 53225

Dimensions:X = 30 mm, Z = 200 mm

Blanking plates

M58 4.0



Description
VarioLAB+: Cover, plastic (width 240 mm)

Order number: 53263

Dimensions:X = 240 mm, Z = 200 mm

M 6 8

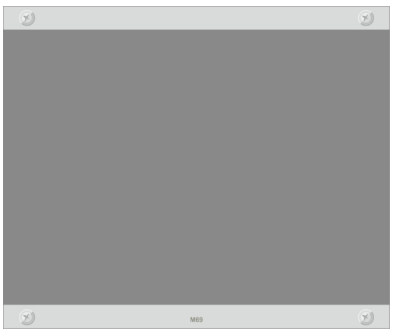


Description
VarioLAB+: 240 mm continuous storage space, for VarioLab+ add-ons, plastic (width 240 mm)

Order number: 56821

Dimensions:X = 240 mm, Z = 200 mm

M 6 9



Description
VarioLAB+: 240 mm end storage compartment, for VarioLab+ add-ons, plastic (width 240 mm)

Order number: 56820

Dimensions:X = 240 mm, Z = 200 mm

Blanking plates

M 7 0



Description
VarioLAB+: 240 mm freestanding storage compartment, for VarioLab+ add-ons, plastic (width 240 mm)

Order number: 56822

Dimensions:X = 240 mm, Z = 200 mm

Measuring instruments

M10 4.0



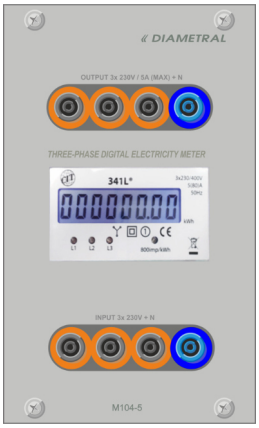
Description

VarioLAB+: Counter and function generator module—arbitrary function generator, 2 channels, 30 MHz, plastic (width 240 mm)

Order number: 53210

Dimensions:X = 240 mm, Z = 200 mm

M104-5 4.0



Description

VarioLAB+: Three-phase electricity meter module, max. current 5 A, module width 120 mm. Current is supplied via safety sockets from an external source; the output to the device under test is via safety sockets. When measuring currents greater than 5 A, a suitable current transformer must be used, e.g., 25 / 5A.

Order number: 54282

Dimensions:X = 150 mm, Z = 200 mm

M105 4.0



Description

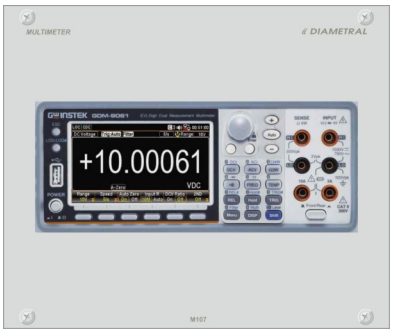
VarioLab+: Analog galvanometer module, DC voltage measurement range: 100 mV, accuracy ±3%; DC current measurement range: 50 µA/5 mA, accuracy ±3%; plastic (width 120 mm)

Order number: 53389

Dimensions:X = 120 mm, Z = 200 mm

Measuring instruments

M107 4.0

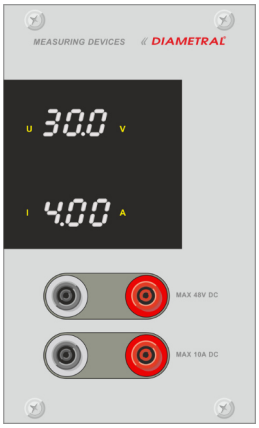


Description
VarioLAB+: Multimeter module, GW Instek GDM-9061: 12 measurement functions: DCV, ACV, DCI, ACI, 2-wire and 4-wire resistance, frequency, period, diode, continuity, temperature, and capacitance, plastic (width 240 mm)

Order number: 57328

Dimensions:X = 240 mm, Z = 200 mm

M 11 4 . 0



Description
VarioLAB+: Module with a 0–48 V DC indicator voltmeter and a 0–10 A ammeter, plastic (width 120 mm)

Order number: 53211

Dimensions:X = 120 mm, Z = 200 mm

M126 4.0



Description
VarioLAB+: Analog multimeter module (U, I, R, f), plastic (width 120 mm)

Order number: 57329

Dimensions:X = 120 mm, Z = 200 mm

Measuring instruments

M131 4.0



Description

VarioLab+: Multimeter Module • DC voltage: 400 mV / 4 V / 40 V / 400 V / 1000 V – accuracy: ± (0.7% + 3) • AC voltage: 400 mV / 4 V / 40 V / 400 V / 1000 V – accuracy: ± (1% + 3) • DC current: 400 µA / 4,000 µA / 40 mA / 400 mA / 4 A / 10 A - accuracy: ± (1% + 3) • AC current: 400 µA / 4,000 µA / 40 mA / 400 mA / 4 A / 10 A - accuracy: ± (1.2% + 5) • Resistance: 400 Ω / 4 kΩ / 40 kΩ / 400 kΩ / 4 MΩ / 40 MΩ - accuracy: ± (0.8% + 2) • Capacitance: 4 nF / 40 nF / 400 nF / 4 µF / 40 µF / 400 µF / 4 mF / 40 mF - accuracy: ± (3% + 5) • Frequency: 400 Hz – 40 MHz - accuracy: ± (0.1% + 4) • Temperature: -40°C to 1000°C (up to 200°C with the supplied thermocouple) - Accuracy: ± (1% + 5) plastic (width 120 mm)

Order number: 57564

Dimensions: X = 120 mm, Z = 200 mm

M133 4.0



Description

VarioLab+: Analog galvanometer module, DC current measurement range: ± 35 µA, accuracy class 2, plastic (width 120 mm)

Order number: 57567

Dimensions: X = 120 mm, Z = 200 mm

M147 4.0



Description

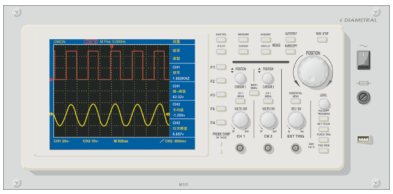
VarioLAB+: Multimeter module, plastic, (GW Instek 9052, 5.5-digit True RMS) (width 270 mm)

Order number: 54313

Dimensions: X = 270 mm, Z = 200 mm

Measuring instruments

M151 4.0

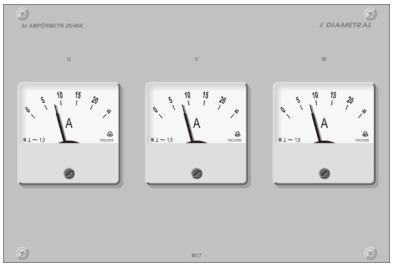


Description
VarioLAB+: 4-channel digital oscilloscope module with a bandwidth up to 100 MHz, featuring a color LCD display, plastic (width 420 mm)

Order number: 56860

Dimensions:X = 420 mm, Z = 200 mm

M17 4.0

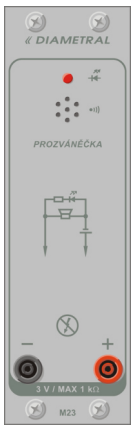


Description
VarioLAB+: Three-phase analog ammeter module, 3 x 20 A/40 A, plastic (width 240 mm)

Order number: 53218

Dimensions:X = 240 mm, Z = 200 mm

M23 4.0



Description
VarioLAB+: Circuit tester module, includes cords with test probes, plastic (width 60 mm)

Order number: 53226

Dimensions:X = 60 mm, Z = 200 mm

Measuring instruments

M26 4.0

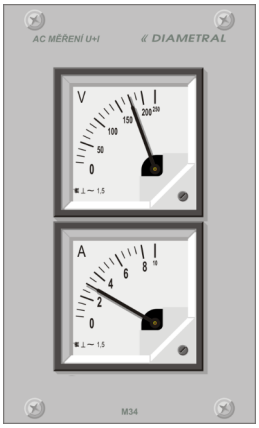


Description
VarioLAB+: Precision multimeter module (U, I, R, C, L, f, t), plastic (width 120 mm)

Order number: 53231

Dimensions:X = 120 mm, Z = 200 mm

M34 4.0

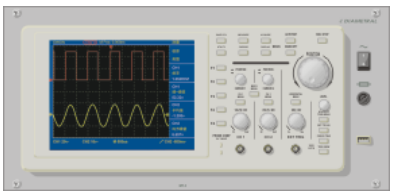


Description
VarioLAB+: Analog AC input meter module U: 0–250 V and I: 0–15 A, plastic (width 120 mm)

Order number: 53240

Dimensions:X = 120 mm, Z = 200 mm

M56 4.0



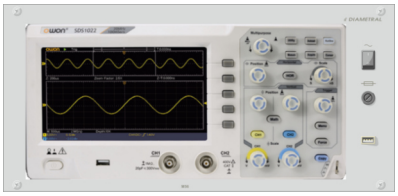
Description
VarioLAB+: Dual-channel digital oscilloscope module with a bandwidth up to 30 MHz, with a color LCD display, plastic (width 420 mm) Channels 2 Real-time sampling rate: 250 MSa/s Bandwidth: 30 MHz Display: 8" TFT LCD with 65,535 colors Resolution: 800 × 600 pixels Interfaces: PC connection via USB, USB host for USB flash drives, LAN port

Order number: 53261

Dimensions:X = 420 mm, Z = 200 mm

Measuring instruments

M57 4.0



Description

VarioLAB+: Two-channel digital oscilloscope module with a bandwidth up to 100 MHz, featuring a color LCD display, plastic (width 420 mm) Number of channels: 2 Bandwidth: 100 MHz Sampling rate: 1 Gsps Recording memory length: 10 kpts Display type: 7" LCD

Order number: 53262

Dimensions:X = 420 mm, Z = 200 mm

M60 4.0



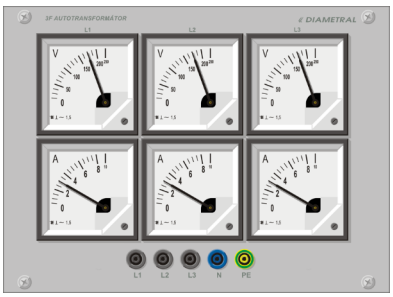
Description

VarioLAB+: Multimeter module, 4 3/4 digits, V - A - Ohm - Hz, true RMS, plastic (width 240 mm) Multifunction multimeter—max. count 50,000; measures AC/DC voltage (U), AC/DC current (I), resistance (R), capacitance (C), frequency (f), continuity with audible alarm, and diode test; Max/Min, REL, Hold, and dBm functions. Dual display; manual or automatic range selection; AC voltage measurement up to 50 kHz; AC True RMS or AC + DC True RMS. Iss (A) 20, Ist (A) 20, Uss (V) 1,000, Ust (V) 1,000, Uss accuracy 0.03, Ustr accuracy 0.5

Order number: 53266

Dimensions:X = 240 mm, Z = 200 mm

M82 4.0



Description

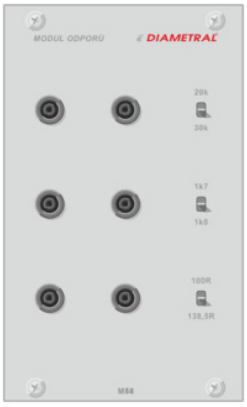
VarioLAB+: Three-phase module with analog voltmeters (230 V), ammeters (10 A), and output receptacles (accessory for MAT-2 autotransformer), plastic (width 240 mm)

Order number: 53278

Dimensions:X = 240 mm, Z = 200 mm

Measuring instruments

M88 4.0



Description

VarioLAB+: Simple tester module, three separate pairs of sockets with two-position switches. Each switch allows you to select from two components (e.g., resistors, capacitors, or inductors of various values), plastic (width 120 mm)

Order number: 53284

Dimensions:X = 120 mm, Z = 200 mm

M89 4.0



Description

VarioLAB+: Programmable power analyzer module (ammeter, voltmeter, wattmeter, frequency). RS-232 output, input of measured quantities (U and I) via 4mm safety sockets, Specifications: power supply 80–250 V AC/DC, measurement range U: 0–250/450 V, measurement range I: 0–1/2.5/5 A, output: RS-232, display: red, plastic (width 120 mm)

Order number: 53285

Dimensions:X = 120 mm, Z = 200 mm

M91 4.0



Description

VarioLab+: Module with 3 digital voltmeters, 10–600 V AC, plastic (width 240 mm)

Order number: 53287

Dimensions:X = 240 mm, Z = 200 mm

Measuring instruments

M92 4.0

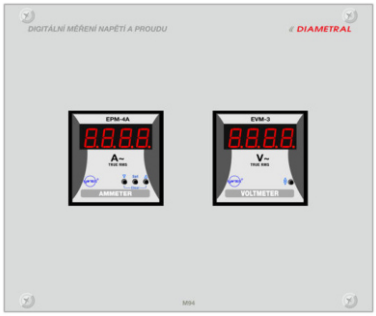


Description
VarioLab+: Module with 3 digital ammeters, per-phase measurement, 50 mA–20 A AC, plastic

Order number: 53288

Dimensions:X = 240 mm, Z = 200 mm

M94 4.0



Description
VarioLab+: Single-phasemodule with a digital ammeter up to 15 A AC and a voltmeter up to 250 V AC, accuracy 1%, plastic (width 240 mm)

Order number: 53290

Dimensions:X = 240 mm, Z = 200 mm

M95 4.0



Description
VarioLab+: 3-phase programmable digital multimeter module; Voltage measurement range: 10–300 V AC (L–N), 10–500 V AC (L–L), Current measurement range: 50 mA to 5.5 A, Cos-Fimeasurement, frequency measurement, MODBUSRTU (RS-485) communication, plastic

Order number: 53291

Dimensions:X = 180 mm, Z = 200 mm

Power supply and protection

M08-10 4.1



Description

VarioLAB+: Single-phase central switch module, 10 A circuit breaker, RCD, TOTAL STOPbutton, plastic dimensions 200 x 120 mm color: gray B10A single-phase circuit breaker 30 mA RCD LED indicator lights

Order number: 53208

Dimensions:X = 120 mm, Z = 200 mm

M08-13 4.1



Description

VarioLAB+: Single-phase central switch module, 13 A circuit breaker, RCD, TOTAL STOPbutton, plastic (width 120 mm), dimensions 200 x 120 mm, color: gray, fuse: B13A single-phase, residual current device (RCD): 30 mA, LED indicator lights

Order number: 54266

Dimensions:X = 120 mm, Z = 200 mm

M08-16 4.1



Description

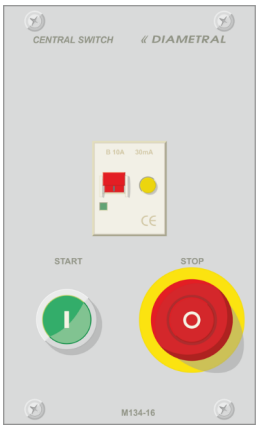
VarioLAB+: Single-phase main switch module, 16A fuse, RCD, TOTAL STOP button, plastic (width 120 mm), dimensions 200 x 120 mm, color: gray, fuse: B16A, single-phase 30 mA residual current device (RCD), LED indicator lights

Order number: 53308

Dimensions:X = 120 mm, Z = 200 mm

Power supply and protection

M134-16 4.0



Description

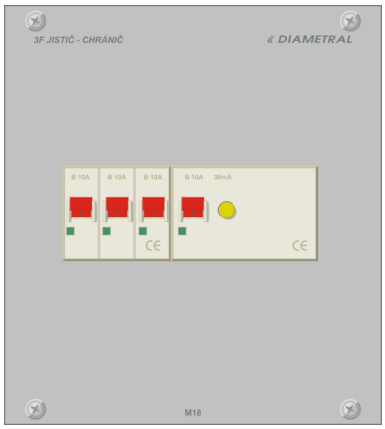
VarioLAB+: Single-phase central switch module, 16 A fuse protection, ground fault circuit interrupter (GFCI), TOTAL STOP and START buttons; does not include a light switch and cannot be connected to OP-xx, plastic (width 120 mm) NOT INTENDED FOR THE EU MARKET!

Order number: 57568

Dimensions: X = 120 mm, Z = 200 mm

Power supply and protection

M18-10 4.0

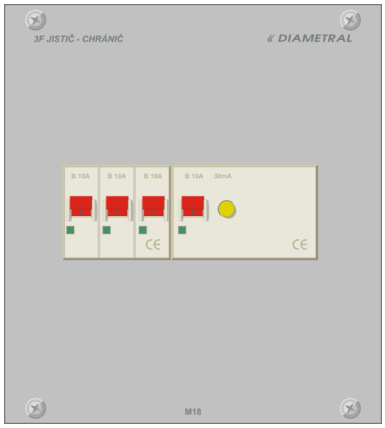


Description
VarioLAB+: Module with a three-phase B10A circuit breaker and a 30 mA residual current device (RCD) for independent protection of additional modules, plastic (width 180 mm)

Order number: 53219

Dimensions: X = 180 mm, Z = 200 mm

M18-16 4.0

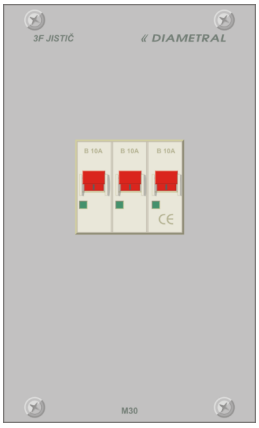


Description
VarioLAB+: Module with a three-phase B16A circuit breaker and a 30 mA residual current device (RCD) for independent protection of additional modules, plastic (width 180 mm)

Order number: 53220

Dimensions: X = 180 mm, Z = 200 mm

M30-10 4.0



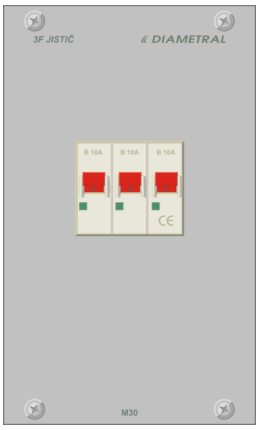
Description
VarioLAB+: Three-phase module with independent 10A circuit breaker /B

Order number: 53325

Dimensions: X = 120 mm, Z = 200 mm

Power supply and protection

M30-16 4.0

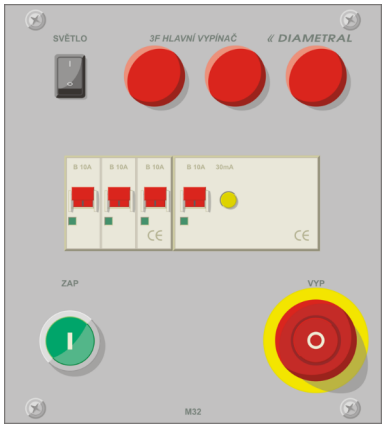


Description
VarioLAB+: Three-phase module with independent 16A circuit breaker /B

Order number: 53326

Dimensions:X = 120 mm, Z = 200 mm

M32-10 4.1

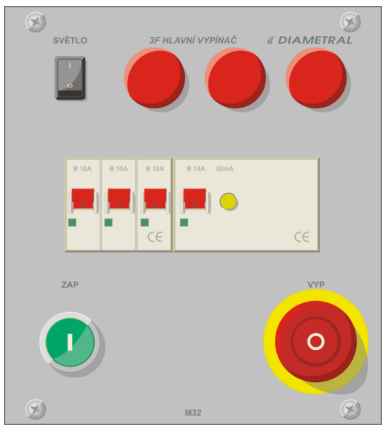


Description
VarioLAB+: Power supply module with 3-phase 10A circuit breakers, ground fault circuit interrupter (GFCI),indicator lights, light switch, TOTAL STOPbutton, and a set of busbars for the instrument panel, plastic (width 180 mm)

Order number: 53236

Dimensions:X = 180 mm, Z = 200 mm

M32-16 4.1



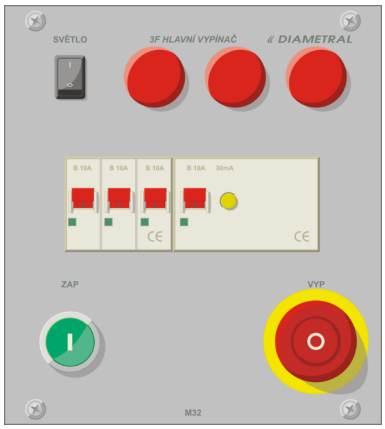
Description
VarioLAB+: Power supply module with 3-phase 16A circuit protection, residual current device, indicator lights, light switch, TOTAL STOPbutton, and a set of busbars for the instrument panel, plastic (width 180 mm)

Order number: 53237

Dimensions:X = 180 mm, Z = 200 mm

Power supply and protection

M32-25 4.1

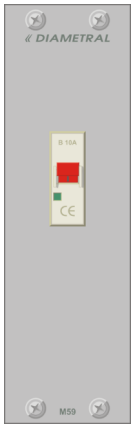


Description
VarioLAB+: Power supply module with 3-phase 25A circuit protection, residual current device, indicator lights, light switch, TOTAL STOPbutton, and a set of busbars for the instrument panel, plastic (width 180 mm)

Order number: 53238

Dimensions:X = 180 mm, Z = 200 mm

M59-06 4.0

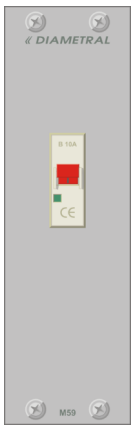


Description
VarioLAB+: 6A single-phase circuit breaker module, plastic (width 60 mm)

Order number: 54267

Dimensions:X = 60 mm, Z = 200 mm

M59-10 4.0



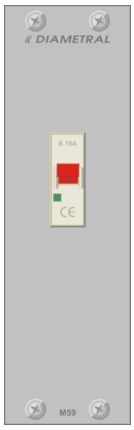
Description
VarioLAB+: 10A single-phase circuit breaker module, plastic (width 60 mm)

Order number: 53264

Dimensions:X = 60 mm, Z = 200 mm

Power supply and protection

M59-16 4.0

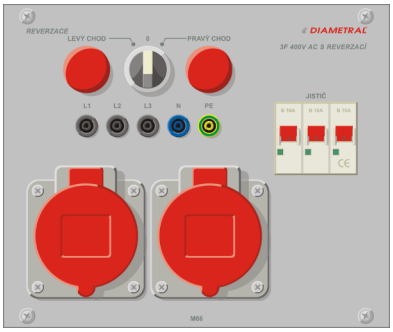


Description
VarioLAB+: 16A single-phase circuit breaker module, plastic (width 60 mm)

Order number: 53265

Dimensions: X = 60 mm, Z = 200 mm

M66 4.0

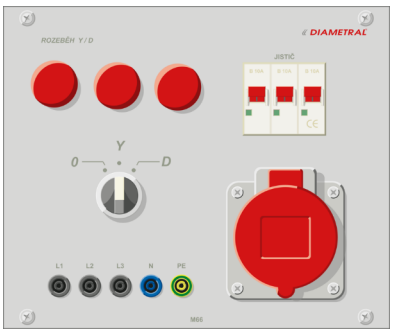


Description
VarioLAB+: Three-phase reversing module / 400V / 16A, plastic (width 240 mm)

Order number: 53272

Dimensions: X = 240 mm, Z = 200 mm

M76-10 4.0



Description
VarioLAB+: Three-phase motor starter module 3x400 V, with manual Y/D switching, plastic (width 240 mm)

Order number: 53275

Dimensions: X = 240 mm, Z = 200 mm

Power supply and protection

M78 4.0



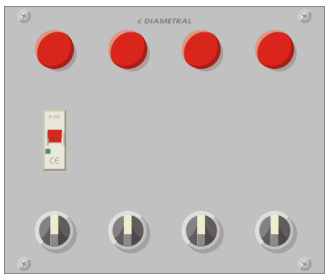
Description
VarioLAB+: Cam switch module, 3 x 400 V / 20 A, plastic (width 120 mm)

Order number: 53348

Dimensions:X = 120 mm, Z = 200 mm

Teacher’s control panel

OP04 4.1

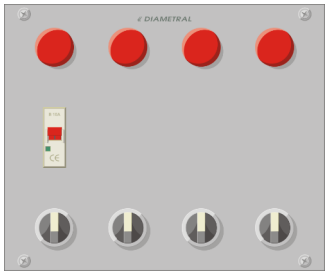


Description
Teacher control panel module for 4 workstations (electronics only) – digital, plastic, for NSE/OPxx

Order number: 53300

Dimensions: X = 240 mm

OP04 4.1 SET

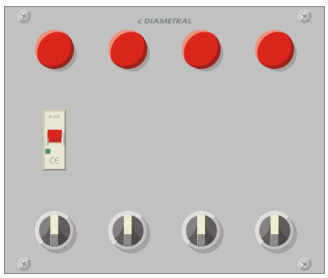


Description
Teacher control panel module for 4 workstations (including plastic table extension) - digital (width 240 mm)

Order number: 54270

Dimensions: X = 240 mm

OP04N 4.1



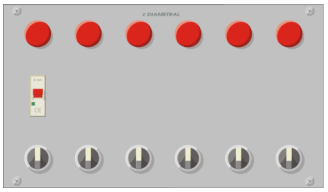
Description
Teacher control panel module for 4 workstations (electronics only) - digital, for installation in instrument panel

Order number: 53301

Dimensions: X = 240 mm

Teacher’s control panel

OP06 4.1

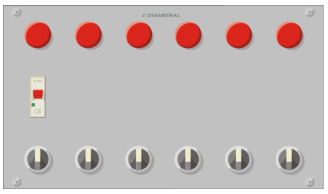


Description
Teacher control panel module for 6 workstations (electronics only) – digital, plastic, for NSE/OPxx

Order number: 53302

Dimensions: X = 360 mm

OP06 4.1 SET

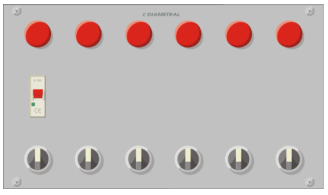


Description
Teacher control panel module for 6 workstations (including plastic desktop mount) – digital (width 360 mm)

Order number: 54271

Dimensions: X = 360 mm

OP06N 4.1



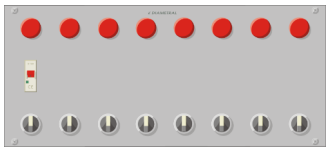
Description
Instructor control panel module for 6 workstations (electronics only) – digital, for installation in the instrument panel

Order number: 53304

Dimensions: X = 360 mm, Z = 200 mm

Teacher’s control panel

OP08 4.1

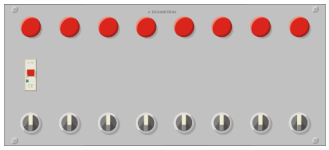


Description
Instructor control panel module for 8 workstations (electronics only) – digital, plastic, for NSE/OPxx

Order number: 53305

Dimensions: X = 480 mm

OP08 4.1 SET

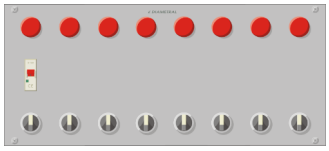


Description
Teacher control panel module for 8 workstations (including plastic desktop mount) - digital (width 480 mm)

Order number: 54272

Dimensions: X = 480 mm

OP08N 4.1



Description
Teacher control panel module for 8 workstations (electronics only) - digital, for installation in instrument panel

Order number: 53306

Dimensions: X = 480 mm

Teacher's control panel

OP10 4.1



Description
Teacher control panel module for 10 workstations (electronics only) – digital, plastic, for NSE/OPxx

Order number: 53307

Dimensions: X = 570 mm

OP10 4.1 SET



Description
Teacher control panel module for 10 workstations (including plastic desktop mount) – digital (width 570 mm)

Order number: 54273

Dimensions: X = 570 mm

OP10N 4.1



Description
Instructor control panel module for 10 workstations (electronics only) – digital, for instrument panel (570 mm)

Order number: 53309

Dimensions: X = 570 mm

Teacher’s control panel

OP12 4.1



Description
Instructor control panel module for 12 workstations (electronics only) – digital, plastic, for NSE/OPxx

Order number: 53312

Dimensions: X = 690 mm

OP12 4.1 SET

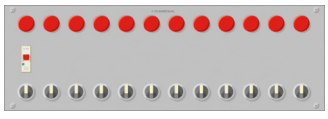


Description
Teacher control panel module for 12 workstations (including plastic desktop attachment) - digital

Order number: 54274

Dimensions: X = 690 mm

OP12N 4.1



Description
Teacher control panel module for 12 workstations (electronics only) - digital, plastic, for VL+ NSExx attachments, width 690 mm

Order number: 53313

Dimensions: X = 690 mm, Y = 100 mm, Z = 200 mm

Teacher’s control panel

OP14 4.1



Description
Teacher control panel module for 14 workstations (electronics only) – digital, plastic, for NSE/OPxx

Order number: 53341

Dimensions: X = 810 mm, Z = 200 mm

OP14 4.1 SET



Description
Teacher control panel module for 14 workstations (includes plastic desktop mount) - digital

Order number: 54275

Dimensions: X = 810 mm

OP14N 4.1



Description
Teacher control panel module for 14 workstations (electronics only) - digital, plastic, for VL+ NSExx add-on units

Order number: 53342

Dimensions: X = 810 mm

Teacher’s control panel

OP16 4.1



Description
Teacher control panel module for 16 workstations (electronics only) - digital, plastic, for NSE/OPxx

Order number: 54276

Dimensions: X = 930 mm

OP16 4.1 SET

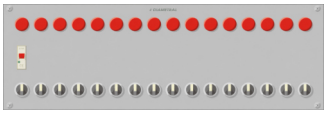


Description
Teacher control panel module for 16 workstations (including plastic desktop mount) - digital

Order number: 54279

Dimensions: X = 930 mm

OP16N 4.1



Description
Teacher control panel module for 16 workstations (electronics only) - digital, plastic, for NSExx VarioLab+ mounts

Order number: 54277

Dimensions: X = 930 mm

Soldering stations

M114 4.0



Description
VarioLAB+: Micro-soldering iron module 80–450 °C/50 W, plastic (120 mm)

Order number: 53412

Dimensions:X = 120 mm, Z = 200 mm

M12 4.0



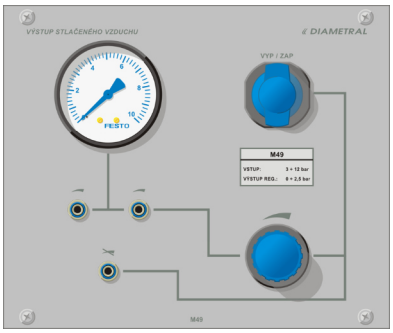
Description
VarioLAB+: Micro-soldering iron module 80–450 °C/35 W, plastic (width 120 mm)

Order number: 53212

Dimensions:X = 120 mm, Z = 200 mm

Passive components

M49 4.0

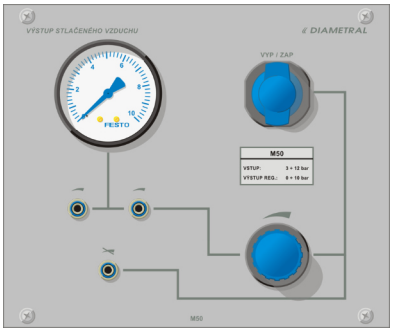


Description
VarioLAB+: Compressed air outlet module with a precision pressure-reducing valve (2.5 bar), plastic (width 240 mm)

Order number: 53343

Dimensions:X = 240 mm, Z = 200 mm

M50 4.0



Description
VarioLAB+: Compressed air outlet module with precision pressure regulator 10.0 bar, plastic (width 240 mm)

Order number: 53257

Dimensions:X = 240 mm, Z = 200 mm

M63 4.0



Description
VarioLAB+: Standalone TOTAL STOPbutton module, plastic (width 60 mm)

Order number: 53269

Dimensions:X = 60 mm, Z = 200 mm

Passive components

M71 4.0

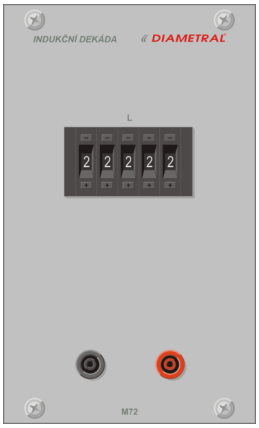


Description
VarioLAB+: R-decade module, 0 ÷ 999999R, plastic (width 120 mm)

Order number: 53344

Dimensions: X = 120 mm, Z = 200 mm

M72 4.0

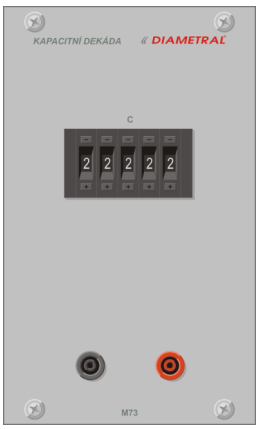


Description
VarioLAB+: L-decade module, 0 ÷ 99999uH, plastic (width 120 mm)

Order number: 53345

Dimensions: X = 120 mm, Z = 200 mm

M73 4.0



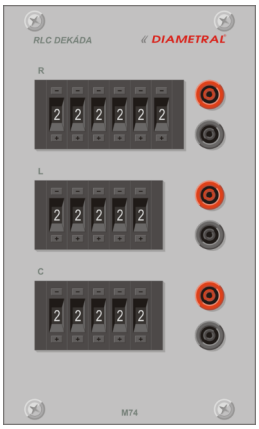
Description
VarioLAB+: C-decade module, 0 ÷ 99999pF, plastic (width 120 mm)

Order number: 53346

Dimensions: X = 120 mm, Z = 200 mm

Passive components

M74 4.0

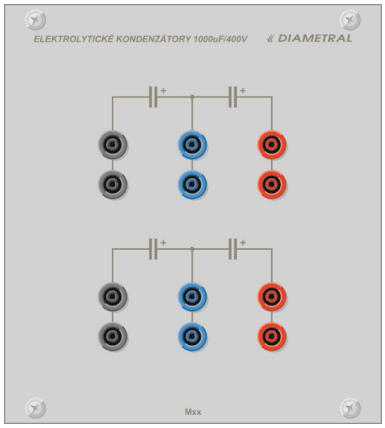


Description
VarioLAB+: RLC Decade Module 0 ÷ 999999R, 0 ÷ 99999uH, 0 ÷ 99999pF, plastic (width 120 mm), revised SMD version

Order number: 53274

Dimensions: X = 120 mm, Z = 200 mm

M77 4.0

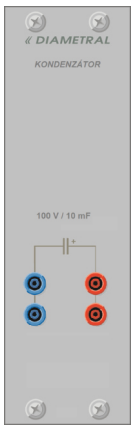


Description
VarioLAB+: Series-connected capacitor module 1000 uF + 1000 uF / 500 uF / 400 V with center tap, plastic (width 120 mm)

Order number: 53276

Dimensions: X = 120 mm, Z = 200 mm

M79 4.0



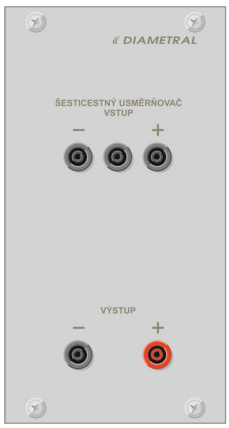
Description
VarioLAB+: Capacitor module, 1000 uF / 100 V, plastic (width 60 mm)

Order number: 53349

Dimensions: X = 60 mm, Z = 200 mm

Passive components

M80 4.0

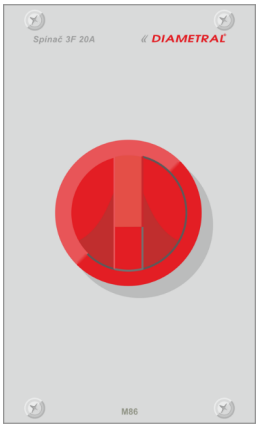


Description
VarioLAB+: Three-phase rectifier module 600 V / 20 A (six-pulse), plastic (width 120 mm)

Order number: 53277

Dimensions:X = 120 mm, Z = 200 mm

M86 4.0

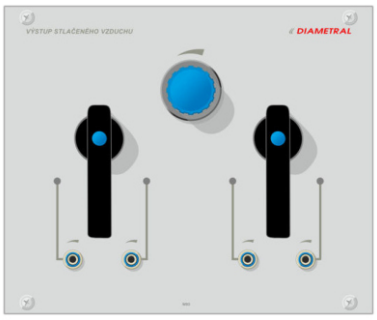


Description
VarioLAB+: Three-phase package switch module, 400 V / 63 A, plastic (width 120 mm)

Order number: 53282

Dimensions:X = 120 mm, Z = 200 mm

M93 4.0



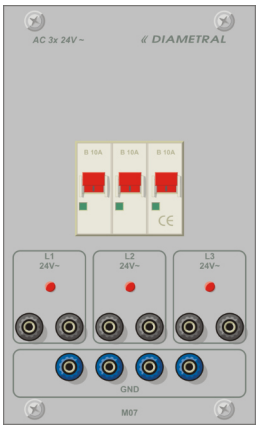
Description
VarioLab+: Compressed air outlet module, two VHER-H-B43C-G18valves, two pairs of outlets, plastic (width 240 mm)

Order number: 53289

Dimensions:X = 240 mm, Z = 200 mm

Transformers

M07 - accessories



Description

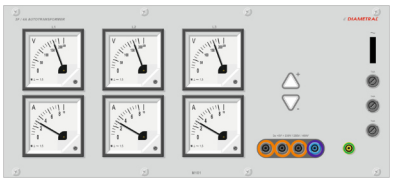
Transformer 3 x 400V / 24V AC / 10A between phases, for M07 and M26K outlet modules, secondary center tap. Installed inside the enclosure.

Order number: 56861

Dimensions: X = 120 mm, Z = 200 mm

Transformers / Autotransformers

M101 4.0

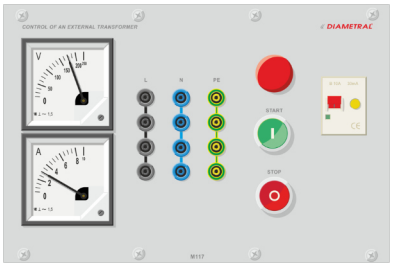


Description
VarioLAB+: Three-phase autotransformer module, 0–100% Uprim / 4 A, including a three-phase circuit breaker module / 4 A, plastic (width 450 mm)

Order number: 53350

Dimensions:X = 450 mm, Z = 200 mm

M117 4.0

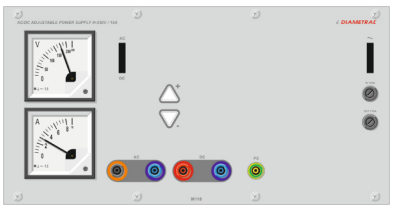


Description
VarioLAB+: External autotransformer control module, 0–100% Uprim 16 A, including analog U and I meters and output sockets, push-button control, plastic (width 300 mm)

Order number: 53416

Dimensions:X = 300 mm, Z = 200 mm

M118 4.0



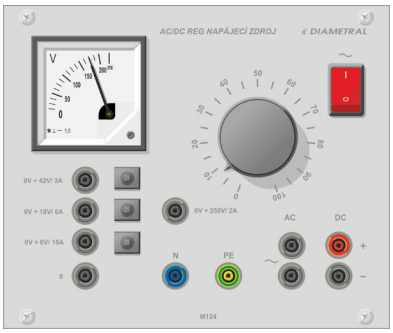
Description
VarioLAB+: Single-phase autotransformer module 0–260 V AC / 15 A, switchable AC/DC output, analog V and A meters, protected by a resettable fuse, standalone module for under-counter installation, meters and sockets in a xxx mm extension panel. Push-button control (electric actuator), plastic (width 390 mm)

Order number: 53382

Dimensions:X = 390 mm, Z = 200 mm

Transformers / Autotransformers

M124 4.0



Description
VarioLAB+: Single-phase autotransformer module with voltmeter, 0–250 V/2 A, 0–42 V/3 A, 0–18 V/6 A, 0–6 V/15 A, 1x DC rectifier 600 V/25 A with external input, protected by resettable fuses, optical power-on indicator, plastic (width 240 mm)

Order number: 53420

Dimensions:X = 240 mm, Z = 200 mm

M152 4.0

Image not available

Description
VarioLAB+: Single-phase autotransformer module 0–50 V/10 A, 0–260 V/3 A with AC/DC output switching capability, plastic (width 390 mm)

Order number: 58861

Dimensions:X = 390 mm, Z = 200 mm

M51 4.0



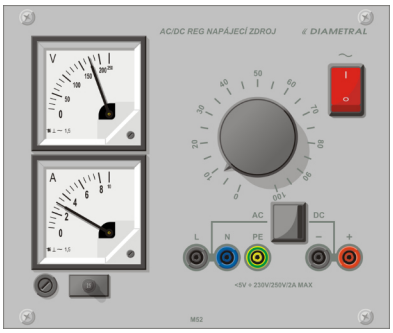
Description
VarioLAB+: Motor-driven three-phase autotransformer module, 3x 5V - 230V/400V/2A, plastic (width 450 mm)

Order number: 53258

Dimensions:X = 450 mm, Z = 200 mm

Transformers / Autotransformers

M52 4.0

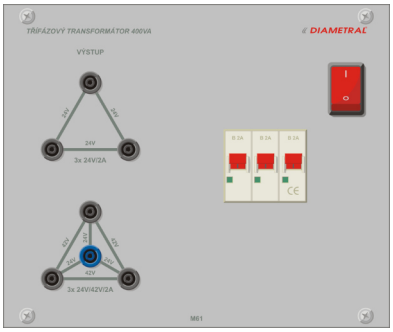


Description
VarioLAB+: Single-phase autotransformer module, 0–230 V/2 A, with AC/DC output switching capability, plastic (width 240 mm)

Order number: 53259

Dimensions:X = 240 mm, Z = 200 mm

M61 4.0

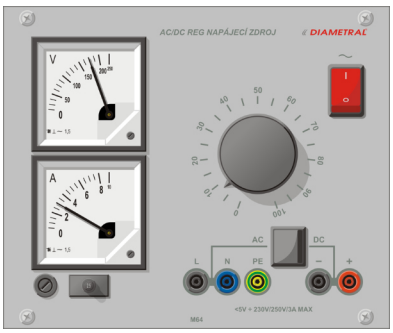


Description
VarioLAB+: 3-phase transformer module, primary: 230 V / 400 V, secondary: 24 V / 42 V Y/D 2 A, plastic (width 240 mm)

Order number: 53267

Dimensions:X = 240 mm, Z = 200 mm

M64 4.0



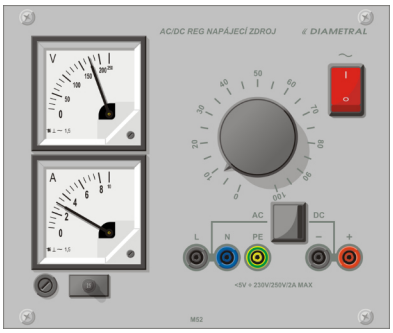
Description
VarioLAB+: Single-phase autotransformer module 0–230 V/3 A with AC/DC output switching, plastic (width 240 mm)

Order number: 53270

Dimensions:X = 240 mm, Z = 200 mm

Transformers / Autotransformers

M75 4.0



Description

VarioLAB+: Single-phase autotransformer module 0–230 V/6 A with AC/DC output switching, plastic (width 240 mm)

Order number: 53347

Dimensions:X = 240 mm, Z = 200 mm

MAT-2 4.0

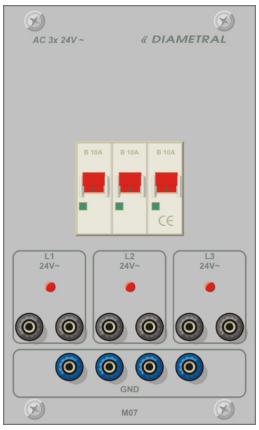
Description

Three-phase autotransformer module 3x 5 V – 230 V/400 V / 10 A (for installation in BPE-0675), plastic

Order number: 54242

Transformers / Isolating transformers

M07 - transformer 2 A

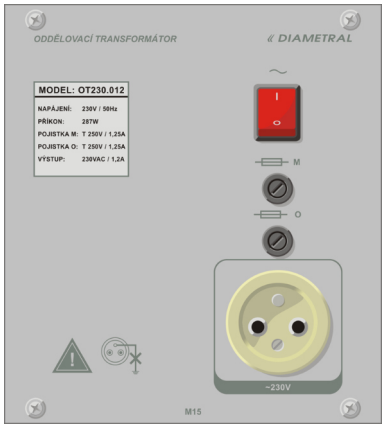


Description
Transformer: primary 3x400V, secondary 3x41.5V Yyn0 24V, 2A for installation in the enclosure; can be connected to M07 (2A circuit breaker)

Order number: 56868

Dimensions:X = 120 mm, Z = 200 mm

M15 4.0

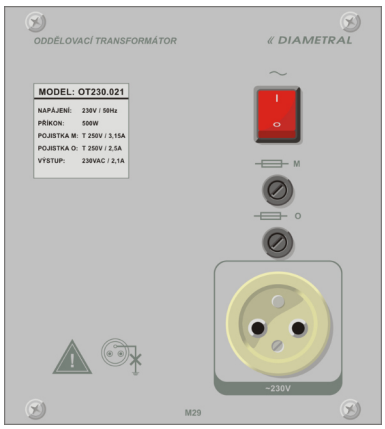


Description
VarioLAB+: 230 V / 230 V / 1.2 A isolation transformer module, plastic (width 180 mm)

Order number: 53216

Dimensions:X = 180 mm, Z = 200 mm

M29 4.0



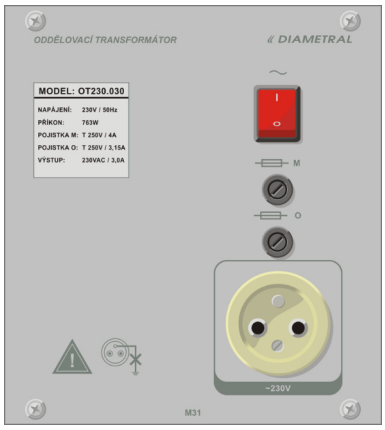
Description
VarioLAB+: Isolation transformer module 230V / 230V / 2.1 A, plastic (width 180 mm)

Order number: 53234

Dimensions:X = 180 mm, Z = 200 mm

Transformers / Isolating transformers

M31 4.0

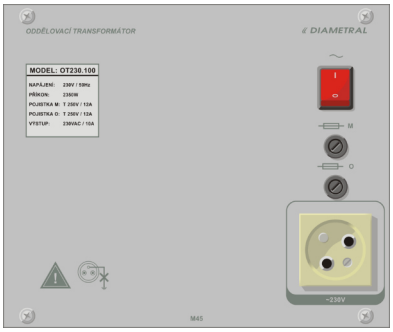


Description
VarioLAB+: 230V / 230V / 3.0A isolation transformer module, plastic (width 180 mm)

Order number: 53235

Dimensions:X = 180 mm, Z = 200 mm

M45 4.0

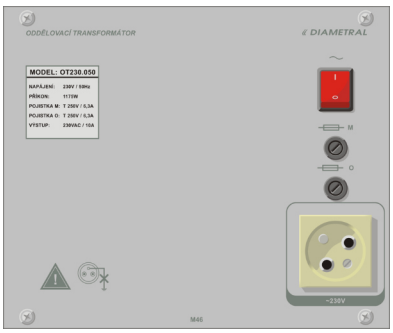


Description
VarioLAB+: 230V / 230V / 10A isolation transformer module, plastic (width 240 mm)

Order number: 53252

Dimensions:X = 240 mm, Z = 200 mm

M46 4.0



Description
VarioLAB+: 230V / 230V / 5A isolation transformer module, plastic (width 180 mm)

Order number: 53253

Dimensions:X = 180 mm, Z = 200 mm

Transformers / Isolating transformers

M98 4.0



Description

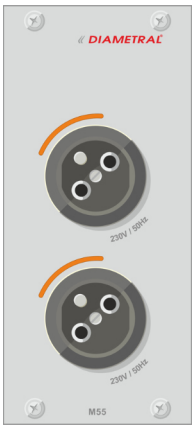
VarioLAB+: 3-phase isolation transformer module with a maximum current draw of 3 A, output to sockets. Used to isolate connected devices from the external power grid, plastic (width 120 mm).

Order number: 53292

Dimensions:X = 120 mm, Z = 200 mm

Power sockets and terminals

M02 4.0



Description

VarioLab+: Module with 2 single-phase 230 V, 50 Hz, 16 A CEE7/5 outlets, plastic (width 90 mm)

Order number: 53202

Dimensions:X = 90 mm, Z = 200 mm

M02V

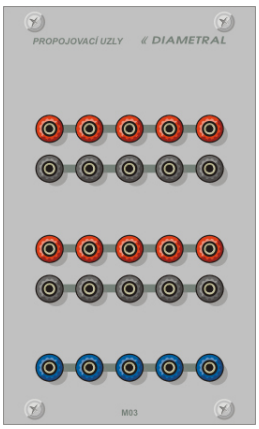
Description

VarioLAB+: Module with 4x 230V, 50Hz, 10A outlets (CZ, SK, PL, FR), SLIDING, for installation in a tabletop or the lid of a built-on unit

Order number: 54239

Dimensions:X = 80 mm, Y = 80 mm, Z = 200 mm

M03 4.0



Description

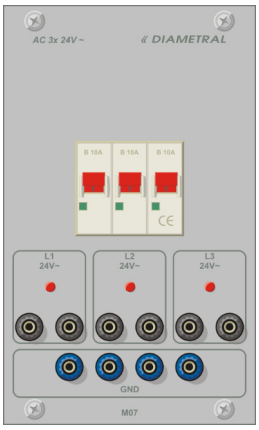
VarioLAB+: Low-voltage terminal block module, 5 rows/5 terminals, plastic (width 120 mm) Maximum operating voltage: 60 VDC / 24 VAC Maximum current per terminal: 10A at 60VDC / 24VAC The module is designed for distributing voltage from laboratory power supplies to other connected devices, or for electrically connecting the inputs and outputs of other instruments and equipment. The rows are supplied as standard in the color combination red, black, red, black, and green. The terminals cannot be used for 230V AC mains voltage.

Order number: 53203

Dimensions:X = 120 mm, Z = 200 mm

Power sockets and terminals

M07 4.0



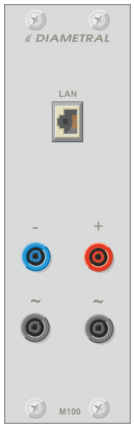
Description

VarioLAB+: Output terminals 3x 24 V AC with a three-phase 10 A circuit breaker (for connection to an external 3x24 V AC power source), plastic (width 120 mm) supply voltage: local distribution or a separately supplied transformer (located in the table superstructure) maximum output current: 3x 10 A / 50 Hz output protection: B-type circuit breaker 3x 10 A

Order number: 53207

Dimensions:X = 120 mm, Z = 200 mm

M100 4.0



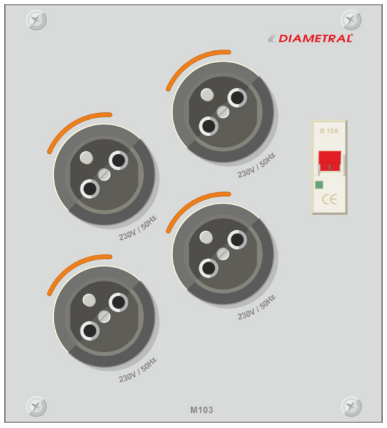
Description

VarioLAB+: DC and AC safety socket and data interface module with 1 x LAN-RJ45,including a 5-meter UTP Cat5e LAN connection cable, plastic (width 60 mm)

Order number: 53352

Dimensions:X = 60 mm, Z = 200 mm

M103-06 4.0



Description

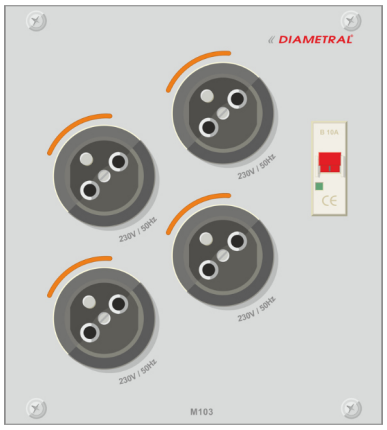
VarioLAB+: Module with 4 230V CEE5/7 outlets, 16A, and a 6A circuit breaker /B, plastic (width 180 mm)

Order number: 54281

Dimensions:X = 180 mm, Z = 200 mm

Power sockets and terminals

M103-10 4.0

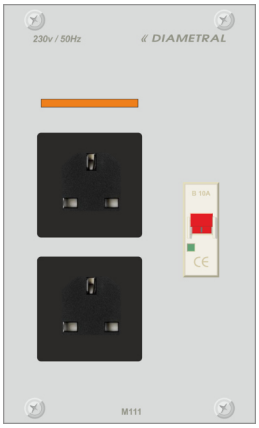


Description
VarioLAB+: Module with 4 230V CEE5/7 outlets, 16A, and a 10A circuit breaker /B, plastic (width 180 mm)

Order number: 54280

Dimensions:X = 180 mm, Z = 200 mm

M111-10 4.0



Description
VarioLAB+: Module with 2x 230 V / 50 Hz outlets, BS1363 with built-in 10 A circuit breaker, plastic (width 120 mm)

Order number: 53391

Dimensions:X = 120 mm, Z = 200 mm

M113 4.0



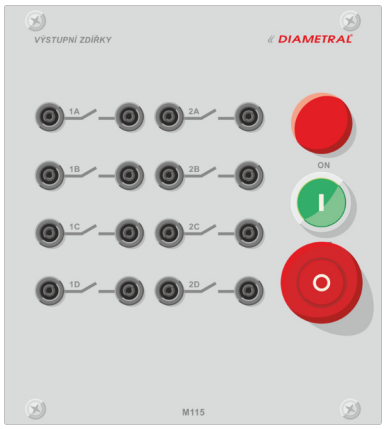
Description
VarioLAB+: Module with 2x 230 V / 50 Hz outlets, BS1363, plastic (width 90 mm)

Order number: 53396

Dimensions:X = 90 mm, Z = 200 mm

Power sockets and terminals

M115 4.0

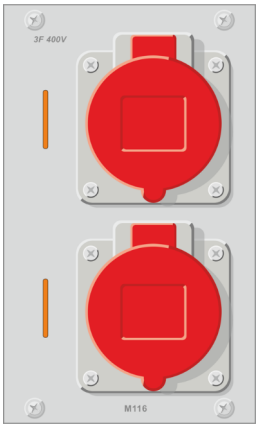


Description
VarioLAB+: Module with eight pairs of sockets (max. 16 A) controlled by contactors. Operated by “Start” and “Stop” buttons, plastic (width 180 mm)

Order number: 53413

Dimensions:X = 180 mm, Z = 200 mm

M116 4.0

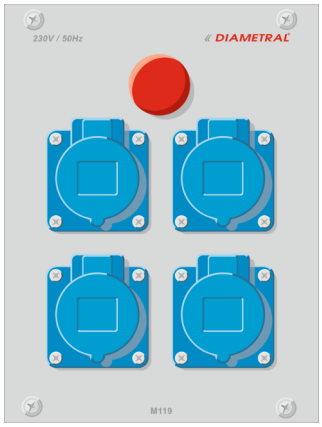


Description
VarioLAB+: Module with two sets of three-phase sockets, 16 A / 400 V, 5-pin, 3P + N + E, EN 60309-2: 400 V, 50–60 Hz, plastic (width 120 mm)

Order number: 53414

Dimensions:X = 120 mm, Z = 200 mm

M119 4.0



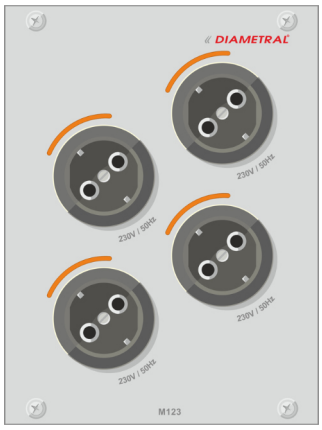
Description
VarioLAB+: Module with 4 230 V CEE5/7 outlets, with cover (IP54), 16 A, plastic (width 150 mm)

Order number: 56849

Dimensions:X = 150 mm, Z = 200 mm

Power sockets and terminals

M123 4.0

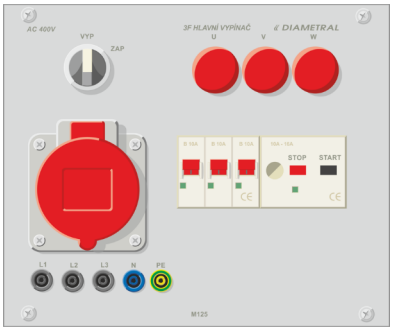


Description
VarioLAB+: Module with 4 230 V / 50 Hz SCHUKOoutlets, 16 A, plastic (width 150 mm)

Order number: 54302

Dimensions:X = 150 mm, Z = 200 mm

M125-10 4.0



Description
VarioLAB+: Three-phase CEE16A outlet module with sockets, a switch, a 3x10 A circuit breaker, a 10–16 A motor starter, and indicator lights, plastic (width 240 mm)

Order number: 53429

Dimensions:X = 240 mm, Z = 200 mm

M135 4.0



Description
VarioLAB+: 1-phase 230V/16A safety output terminal block module, plastic (60 mm wide)

Order number: 57569

Dimensions:X = 60 mm, Z = 200 mm

Power sockets and terminals

M143 4.0

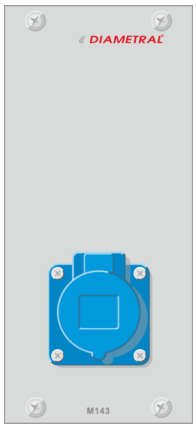


Description
VarioLab+: Module with 1 single-phase 230 V outlet, CEE7/5, 50 Hz (90 mm), CZ, FR

Order number: 54309

Dimensions: X = 90 mm, Z = 200 mm

M144 4.0



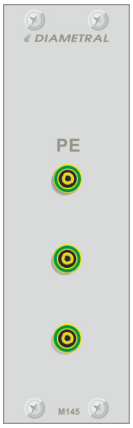
Description
VarioLab+: Module with 1 single-phase outlet with flip-top cover, 230 V, CEE 7/5, 50 Hz, IP44 (90 mm), CZ, FR

Order number: 54310

Dimensions: X = 90 mm, Z = 200 mm

Power sockets and terminals

M145 4.0

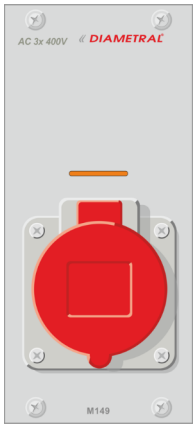


Description
VarioLAB+: 3x yellow-green grounding terminals for grounding connected devices (connected to the table frame).

Order number: 54311

Dimensions: X = 60 mm, Z = 200 mm

M149 4.0



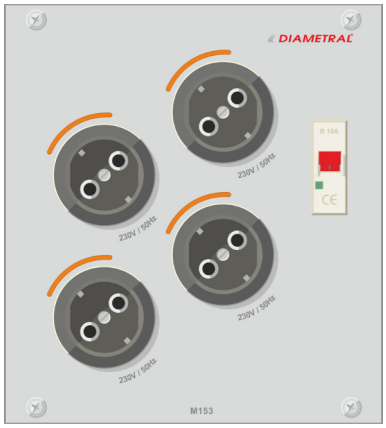
Description
VarioLab+: Standalone three-phase 16 A socket module (IP44) for instrument panel mounting, plastic (width 90 mm)

Order number: 54315

Dimensions: X = 90 mm, Z = 200 mm

Power sockets and terminals

M153-06 4.0

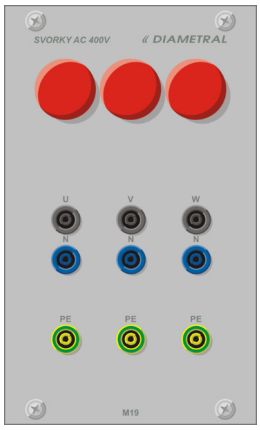


Description
VarioLAB+: Module with 4 230 V SCHUKOoutlets, 16 A, and a 6 A circuit breaker /B, plastic (width 180 mm)

Order number: 58862

Dimensions:X = 180 mm, Z = 200 mm

M19 4.0



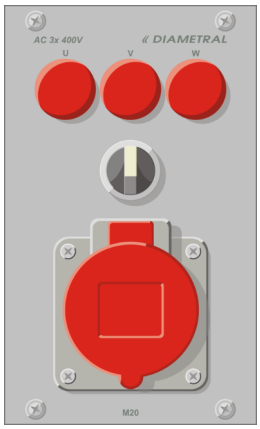
Description
VarioLAB+: Three-phase400 V safety terminal block module, 16 A max, plastic (width 120 mm)

Order number: 53221

Dimensions:X = 120 mm, Z = 200 mm

Power sockets and terminals

M20 4.0

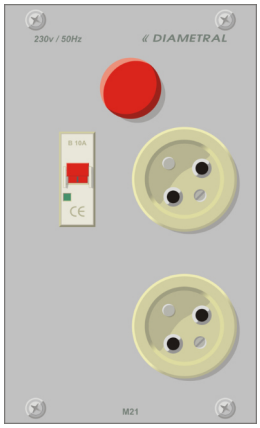


Description
VarioLAB+: Three-phase 16A / 400V outlet module, 5-pin, 3P + N + E, EN 60309-2: 400 V, 50–60 Hz, with circuit breaker, plastic (width 120 mm)

Order number: 53222

Dimensions:X = 120 mm, Z = 200 mm

M21-06 4.0



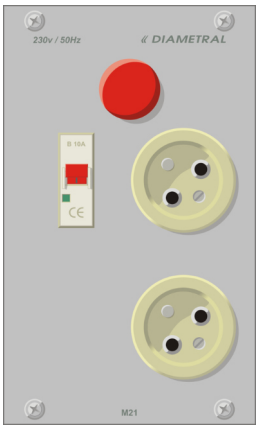
Description
VarioLAB+: Module with 2x 230 V / 50 Hz outlets, CEE7/5 50 Hz, 6 A with built-in circuit breaker, plastic (width 120 mm)

Order number: 53223

Dimensions:X = 120 mm, Z = 200 mm

Power sockets and terminals

M21-10 4.0

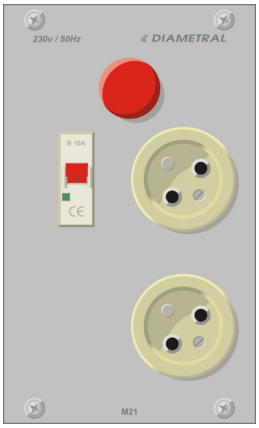


Description
VarioLAB+: Module with 2x 230 V / 50 Hz outlets, CEE7/5 50 Hz, 16 A with built-in 10 A circuit breaker, plastic (width 120 mm)

Order number: 53224

Dimensions:X = 120 mm, Z = 200 mm

M21-13 4.0

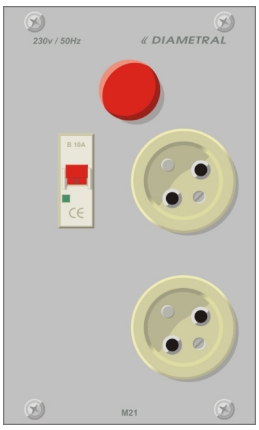


Description
VarioLAB+: Module with 2x 230 V / 50 Hz outlets, CEE7/5 50 Hz 16 A with built-in 13 A circuit breaker, plastic (width 120 mm)

Order number: 54284

Dimensions:X = 120 mm, Z = 200 mm

M21-16 4.0



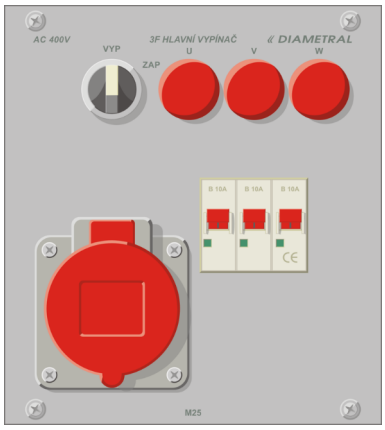
Description
VarioLAB+: Module with 2x 230 V / 50 Hz, CEE7/5 50 Hz 16 A with built-in circuit breaker 16 A, plastic (width 120 mm)

Order number: 54304

Dimensions:X = 120 mm, Z = 200 mm

Power sockets and terminals

M25-10 4.0

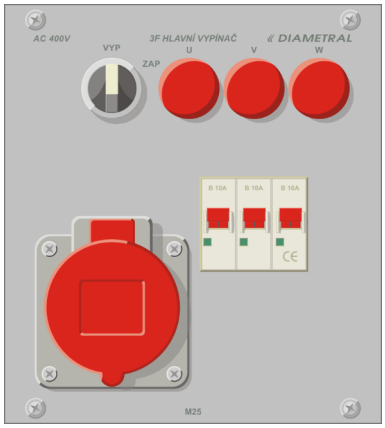


Description
VarioLAB+: Three-phase power outlet module with a switch, 3 x 10 A circuit breakers, and an indicator light, plastic (width 180 mm)

Order number: 53228

Dimensions:X = 180 mm, Z = 200 mm

M25-16 4.0

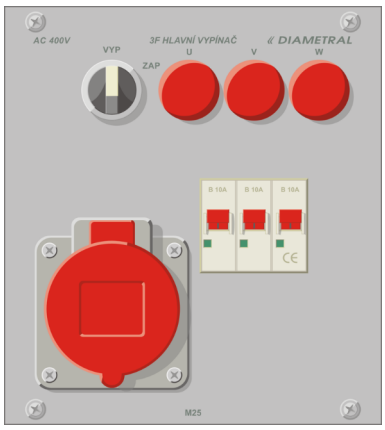


Description
VarioLAB+: Three-phase power outlet module with a switch, 3 x 16 A circuit breakers, and an indicator light, plastic (width 180 mm)

Order number: 53229

Dimensions:X = 180 mm, Z = 200 mm

M25-20 4.0



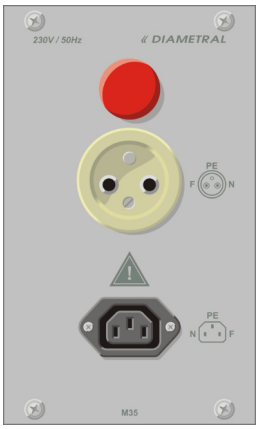
Description
VarioLAB+: Three-phase socket module with switch, 3 x 20 A circuit breakers, and indicator lights, plastic (width 180 mm)

Order number: 53230

Dimensions:X = 180 mm, Z = 200 mm

Power sockets and terminals

M35 4.0

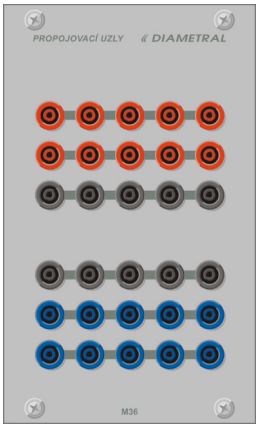


Description
VarioLAB+: Module with 1x 230V / 16A outlet (CEE7/5) and 1x 230V PC outlet (IEC60320)

Order number: 53327

Dimensions:X = 90 mm, Z = 200 mm

M36 4.0

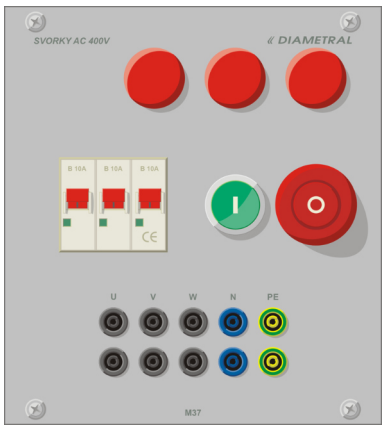


Description
VarioLAB+: Module with 6 rows of safety terminal blocks / 5 terminals, 10 A, plastic (width 120 mm)

Order number: 53242

Dimensions:X = 120 mm, Z = 200 mm

M37-10 4.0



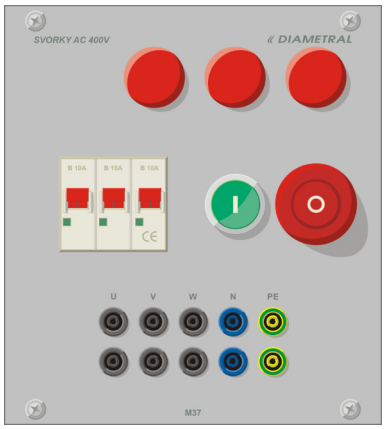
Description
VarioLAB+: Module with dual three-phase safety outlets 3x400 V, B10 A circuit breaker, ON/OFF buttons, indicator lights, plastic (width 180 mm)

Order number: 53243

Dimensions:X = 180 mm, Z = 200 mm

Power sockets and terminals

M37-16 4.0

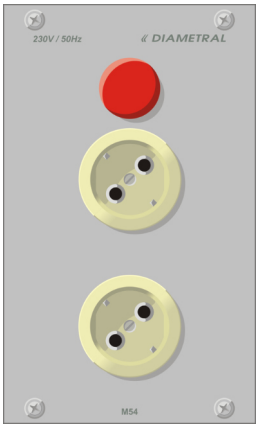


Description
VarioLAB+: Module with dual three-phase safety outlets (3x400 V), B16 A circuit breaker, ON/OFFbuttons, indicator lights, plastic (width 180 mm)

Order number: 53244

Dimensions:X = 180 mm, Z = 200 mm

M54 4.0

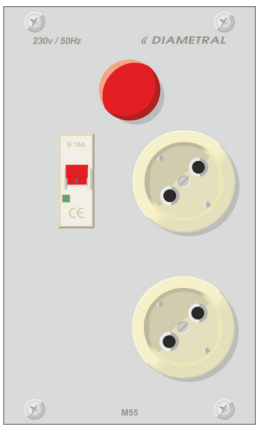


Description
VarioLAB+: Module with 2x SCHUKOoutlets, 230 V, 50 Hz, 16 A, plastic (width 90 mm)

Order number: 54241

Dimensions:X = 120 mm, Z = 200 mm

M55-06 4.0



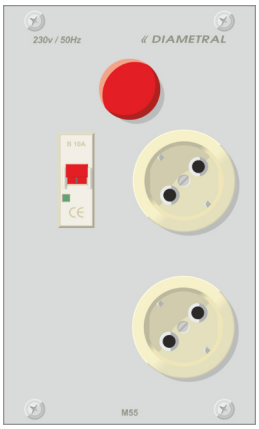
Description
VarioLab+: Module with 2x SCHUKOoutlets, 230 V, 50 Hz, 16 A, with a 6 A circuit breaker, plastic (width 120 mm)

Order number: 53358

Dimensions:X = 120 mm, Z = 200 mm

Power sockets and terminals

M55-10 4.0

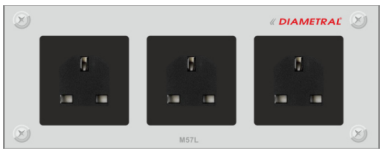


Description
VarioLab+: Module with 2x SCHUKOoutlets, 230 V, 50 Hz, 16 A, with a 10 A circuit breaker, plastic (width 120 mm)

Order number: 53359

Dimensions:X = 120 mm, Z = 200 mm

M57L 4.0



Description
VarioLab+: Module: 3x 230 V, 50 Hz, UK BS 1363 outlets, for mounting on an LZP-xxx shelf beam

Order number: 57424

Dimensions:X = 210 mm, Z = 80 mm

M65 4.0



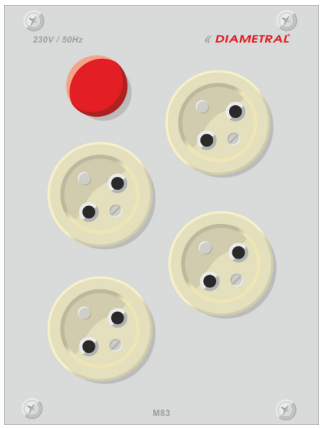
Description
VarioLAB+: 230 V/10 A AC outlet module, 2x outlets, Euro plug, safety outlets, circuit breaker, plastic (width 180 mm)

Order number: 53271

Dimensions:X = 180 mm, Z = 200 mm

Power sockets and terminals

M83 4.0



Description
VarioLAB+: Module with 4 230 V CZ outlets, 16 A, plastic (width 150 mm)

Order number: 53279

Dimensions:X = 150 mm, Z = 200 mm

M90 4.0

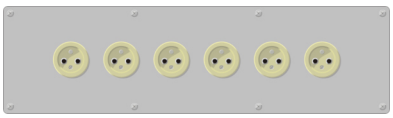


Description
VarioLAB+: Single-phase outlet module with power measurement, plastic (width 120 mm)

Order number: 53286

Dimensions:X = 120 mm, Z = 200 mm

PZR-06 4.0



Description
6-outlet rear module 230 V, 50 Hz, 6 A (CZ, SK, FR), plastic. WARNING! Not compatible with NSE06 and NSE08 enclosures or their variants!

Order number: 53311

This catalogue is based on current knowledge and experience and does not cover all possibilities of the VarioLab+ system. As the VarioLab+ system is continuously expanded, this catalogue includes only components known at the time of printing. Diametral products are continuously developed and improved. Technical specifications and design may change without prior notice. Images are for illustration purposes only. For up-to-date information or help with workstation planning, please contact the sales team at Diametral® obchodní s. r. o.

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