erfi
enjoy your work

elneos® connect

the lifetime experience

The new lab furniture and assembly workplace system.

elneos® connect

The new laboratory furniture and assembly workstation system.

enjoy your work!

This persists our motto – because workplaces are our passion. As the market founder of electronical laboratory equipment for industry and training assembly table systems, measuring and testing equipment, test systems for electrical safety and function and didactic systems, we represent highest standards and individual solutions. With our *elneos connect* workstation and furniture system, we offer innovative practicality and safety – **the lifetime experience!**

Our new customer centre
For more than 65 years, we have been successfully developing and manufacturing our products and components at our main site in Freudenstadt. Due to the high vertical range of manufacture in furniture construction and electronics, we have unique competences in the Industry 4.0 standard. You can experience all of this directly on site in our new customer centre. In addition, we also offer interested parties the opportunity to visit the Showroom virtually via a digital twin.

We look forward to your visit!
Visit our customer center in Freudenstadt with 1,100 m² of exhibition space in conjunction with a tour through our production.

On site: You are welcome to make an appointment by calling 07441 9144-404 or sending an e-mail to: kc@erfi.de.
Or online: Click into the virtual customer centre on our homepage.

elneos® connect

the lifetime experience

On more than 11,000 m², we produce all technical workplace systems, electronic devices, measuring and testing devices, test systems for electrical safety and function as well as didactical systems for you at our main site in Freudenstadt.

Our particularly great in-house production depth in furniture and electronics is a guarantee for consistent high quality standards. All manufacturing steps are subordinated to the principle of production according to the Industry 4.0 approach. Our manufacturing expertise ranges from cutting to size, edging with laser technology, CNC free-form milling and drilling as well as the entire metal construction in furniture production to circuit board assembly, device construction and the electrification of complete laboratory, workplace and test systems.

The in-house manufacturing expertise we have acquired distinguishes us considerably. We are always one step ahead in product innovation and our solutions have been recognised by prestigious design awards since 1980.

reddot design award

product design award

German Design Award

Focus Open

elneos® connect

the lifetime experience

The technology-leading workstation and furniture system *elneos connect* is characterized by comprehensive innovations and safety.

elneos connect offers maximum flexibility owing to its basic profile, the L-Aluminum Profile, which can accommodate further profiles for different applications. The sophisticated profile system allows, among other things, the accommodation of extensive cable work, the fast adjustment of the working height as well as the connection to a table-transferring bridge to accommodate equipment.

All this is possible owing to the so-called connector. It connects the frame construction to the table and frees the profiles from their purely load-bearing function. The Connector enables homogeneous and uninterrupted media guidance.

The biodynamic workplace lighting of *elneos connect*, which can be adjusted in brightness, light color and inclination, is a highlight owing to further improved RGB LED technology and sensory color coding. It automatically adapts to the human biorythm. In addition, *elneos connect* can be equipped with an Indication Light at the front, which shows the status of the table.

elneos® connect Base Table

Laboratory workstations for industry and education in simple to highly complex design for all requirements.

ESD Base Table elneos® connect

Equipment highlights

- Expand Profile 1 (vertical)
- Worktop ergo-line (corner radius 20 mm, laser edge)
- Integrated cable flap and cable tray
- Roller container with touch-to-open technology
- Connector in standard colour green* RAL DESIGN 1107070

* Further colours page 39.

elneos®connect in Electrotechnical Laboratory

ESD Electronics Lab Workstation elneos® connect

Equipment highlights

- Integrated cable flap and cable tray
- Integrated and biodynamic RGB LED light with BT and HCL function
- RGB Indication Light in storage board

More features

- Expand Profile 1 (vertical)
- 19-inch/ 3 U device cockpit with device system *elneos five* for dual power supply, digital multimeter and function generator
- Roller container with touch-to-open technology

ESD Electronics Lab Workstation elneos® connect with elneos® Orgatower

Equipment highlights

- Worktop ergo-line (corner radius 20 mm, laser edge)
- Expand Profile 1 (vertical)
- RGB indicator light on storage board for status display
- Integrated cable flap and cable tray

More features

- 19-inch / 3 U device cockpit and storage board with *elneos five* device system for power supply unit, digital multimeter and function generator
- Integrated biodynamic RGB LED light with BT (Bluetooth) and HCL function (Human Centric Lighting)
- *elneos Orgatower* with drawers and pull-out shelf for measurement technology

Electronics Lab Workstation elneos® connect

Equipment highlights

- erfi-Bridge (*green) with device system *acto*
- Electromotive height adjustment
- Front table edge with new Tech Edge alu-line and comprehensive laser edge
- Integrated cable flap and cable tray
- 19-inch / 3 U device cockpit made of aluminum
- Invisibly integrated RGB LED light
- Full width RGB Indication Light

Cockpit equipment elneos® six

- Slide-in unit 3U / 56 HP for 1-phase AC source
- Universal plug-in units for further DC sources, digital multimeters, power meters, function generators as well as arbitrary generators
- Control center to accommodate all devices except AC sources with 8-inch multi-touch display, 3D gesture control and voice control
- Plug-in unit 3 U / 95 DU for 3-phase AC source with intelligent ring socket illumination incl. function labeling
- Insert plate Connect with all device interfaces such as USB A and USB B, LAN, 10 digital outputs and 8 digital inputs

* erfi-Bridge green as optional equipment and Connectors in green as standard.

ESD Electronics Lab Workstation elneos® connect

Equipment highlights

- erfi-Bridge (*green) with device system *acto*
- Electromotive height adjustment
- Front table edge with new tech-edge alu-line and comprehensive laser edge with permanent zero joint
- Integrated supply terminal in the table top
- 19-inch / 6 U equipment cockpit 10° inclined
- Allround multifunctional pull-out (cable drawer)
- Invisible RGB LED light
- RGB Indication Light across the width of the lab bench

Cockpit equipment elneos® six

- Control center *elneos six*
- Plug-in units in 3/6 U for 1- and 3-phase AC sources
- Two universal slide-in units 3 U / 63 HP for additional DC sources, digital multimeters, power meters, function generators as well as arbitrary waveform generators.
- Plug-in unit 3 U / 14 HP for additional digital multimeters, power meters, function generators as well as arbitrary waveform generators which are not integrated in the control center for space reasons.
- Insert plate with encoders as well as second Airwheel
- Connect insert plate with all device interfaces such as USB A and USB B, LAN, 10 digital outputs and 8 digital inputs.

* erfi-Bridge green as optional equipment and Connectors in green as standard.

elneos®connect Assembly and Testing

ESD assembly workstation elneos® connect

Equipment highlights

- Electromotive height adjustment
- Storage board top and bottom
- Aluminum functional profile top with stopper edge
- Horizontal aluminum profile with material trays
- Connectors in the third level

More features

- Expand Profile 1 (vertical)
- Front table edge with Tech Edge alu-line
- Integrated cable flap and cable tray
- RGB LED light with BT and HCL function
- RGB Indication Light at the storage board
- Roller container with touch-to-open technology

1. Software controlled ESD assembly workstation elneos® connect

Equipment highlights

- Transfer system elneos fix with ball roller conveyor
- Electromotive height adjustment for feeding table, assembly table and at the same time completely height adjustable test components
- Ergonomically curved worktop with laser edge
- Equipped with the Software *AWM*[1]

More features

- Mounting cantilever with rail and trolley
- Partially inclinable shelf boards
- Aluminum profile with screen holder and PC
- RGB LED light with BT and HCL function
- RGB Indication Light on the storage board
- Roller container with bow handles and Smart-Close

2. ESD test workstation elneos® connect with VDE testing system CANclass®

Equipment highlights

- Test cabin with CANclass Compact Tester for checking electrical safety electrical safety and function[2] including *Candy* test software
- RGB Indication Light on top of test booth for good/bad indication
- Scanner including QR code scanner

3. ESD assembly workstation elneos® connect with elneos® Orgatower

Equipment highlights

- Pull-out material trays
- Perforated plate wall above and below the table
- elneos Orgatower extendable with drawers and pull-out shelf for measurement technology

More features

- Worktop ergo-line (corner radius 20 mm, laser edge)
- Storage board with lockable cable drawer
- Aluminum profile with screen holder and all-in-one PC
- Integrated RGB LED light with BT and HCL function
- Equipped with *AWM*[1] software
- RGB Indication Light at bottom edge of cable drawer

[1] AWM – Assembly Workflow Management for flexible assembly work and paperless manufacturing.

[2] High-voltage, insulation, protective conductor and leakage current testing

ESD test workstation elneos® connect with VDE testing system CANclass®

Equipment highlights table left

- Electromotive height adjustment
- Front table edge with Tech Edge alu-line
- Test hood for large test specimens
- 19-inch base cabinet with CANclass device system for testing electrical safety and function[1] incl. testing software *Candy*

Equipment highlights table right

- erfi-Bridge*, equipped with device system *acto*
- Electromotive height adjustment
- Horizontal aluminum profile with material trays
- Flat screen holder with all-in-one PC

More features

- Front table edge with Tech Edge alu-line
- 19-inch/ 3 U device cockpit with device system *elneos five* for power supply, digital multimeter and function generator
- Integrated RGB LED light with BT and HCL function
- RGB Indication Light at cockpit bottom edge

[1] High-voltage, insulation, protective conductor and leakage current test

* erfi-Bridge anodised as standard and Connectors in green as standard, further colours p. 39.

elneos®connect in Training

Training workstation elneos® connect

Equipment highlights

- Safety gas connection fitting with shut-off device for natural gas and LPG *(basic)*.
- Control center *elneos six* for simultaneous inclusion of all device groups except AC sources with 8-inch multi-touch display, 3D gesture and voice control
- Safety and switching unit *(basic)*
- Front table edge with Tech Edge alu-line
- 10° inclined 19-inch / 3 U tabletop design
- Integrated RGB indicator light across the entire width of the lab bench
- Vertical Expand Profile 2 equipped with *acto* device system (green insert plates), below the table top and above the table superstructure

More features

- Compressed air unit *(basic)*
- Suspended container infinitely variable to the left and to the right
- Two DIN-A4 experiment frames for holding DIN-A4 teaching aids
- Two all-in-one PCs with 23-inch touch screen and monitor holder as well as
- Room control software *highlink Power*
- Socket panels *(basic)*

Training workplace elneos® connect

Equipment highlights

- Control center *elneos six* compact vertically integrated with DC power supply, digital multimeter and function generator.
- Front table edge with Tech Edge alu-line
- Expand 2 expansion profile (vertical) equipped with *acto* device system (anodized insert plates) on the left and right below and above the table top
- TechCube for integration of DC and AC power amplifiers
- Inclinable storage board incl. cable tray underneath
- Invisibly integrated RGB LED light

More features

- Suspended container with one drawer incl. electronic central locking, infinitely variable to the left and to the right
- Mobile pedestal (underneath suspended pedestal) incl. electronic central locking system
- One DIN-A4 experimental frame to hold DIN-A4 teaching aids
- LED warning light column
- An extension plate that can be mounted on both sides to extend the table
- An all-in-one PC with 23-inch touch screen and monitor holder
- Socket panels and emergency stop *(acto)*

ESD training workstation elneos® connect

Equipment highlights

- erfi-Bridge* equipped with device system *acto*
- Electromotive height adjustment
- Room control software *highlink Power*
- Two flat screen holders with all-in-one PC
- 19-inch / 3 U aluminum device cockpit with device system *elneos five* for double power supply, digital multimeter, function generator and 19-inch device system *basic* with oscilloscope and AC source, among others

More features

- Front table edge with Tech Edge alu-line
- Integrated split cable flap and cable tray
- RGB LED light with BT and HCL function
- RGB Indication Light at cockpit bottom edge
- 1-row DIN A4 experiment frame incl. erfi-didactic teaching aids (basic package)
- Hanging container with bow handles and Smart-Close

* erfi-Bridge green as optional equipment and Connectors in green as standard, further colours p. 39.

ESD training station elneos® connect with swivel body and elneos® Orgatower

Equipment highlights

- Electromotive swivel table
- Completely blinded with safety monitoring
- elneos Orgatower extendable with 2 compartments to hold DIN A4 teaching aids and didactic boards
- 2-row DIN A4 experiment frame, adjustable in depth adjustable incl. erfi didactic teaching aids (automation, control engineering, building automation)

More features

- Two continuous Expand profiles equipped with unit system *acto*
- Front table edge with Tech Edge alu-line
- 19-inch / 3 U swivel channel with device system *elneos five* for power supply, digital multimeter, function generator as well as device system basic
- Roller container with touch-to-open technology

Flexible and Safe

1. The Cockpit
The device cockpit is particularly lightweight due to its aluminum profiles mounted at the top and bottom. It is extremely flexible for the attachment of system components.

2. The Lighting
Indication Light and workplace lighting with high-performance RGB LEDs – optionally with BT (Bluetooth) and HCL function (Human Centric Lighting). The workplace lighting provides optimum illumination and, with BT/HCL function, light adaptation to the human biorhythm. The Indication Light shows the table states.

3. The Connector
The central design and connector element of the furniture system is a decisive advantage for media guidance on the inside of the table. The Connector connects the table leg and frame construction, thereby guiding media of all kinds.

4. The Tech Edge alu-line
A newly developed, compact aluminum core with a highly robust plastic coating enables completely new functions. Two grooves accessible from below allow perfect connection of vices and a collecting channel prevents small parts from falling.

5. The erfi-Bridge
By intelligent combination of the Expand-profil 2 a continuous media channel is created – the erfi-Bridge. It enables the continuous installation of devices vertically and horizontally.

6. The Profiles
The innovative profile system of *elneos connect* is flexible, modular, economical, resource-saving and striking in form and effect.

7. The Frame construction
Due to a 40/40 aluminum profile, this frame construction is very light with maximum stability and flexibility. A intelligent groove technology ensures free configurations at any time and stepless table leg adjustment.

8. The Container
The *elneos connect* container program offers the touch-to-open technology. A special chassis with large rollers ensures maximum stability. In addition, roller containers can be converted into suspended containers at any time and, of course, vice versa.

The Connector

Highly stable and intelligent – The central and stabilizing component between table leg and frame is the connector. It includes the L-profile and other innovative profiles, which allow all kinds of media to be guided between the table frame and the table leg.

The Connector allows the table top to float and at the same time gives the system a very high stability. The table legs can be moved continuously in depth and adjusted in height as standard. The connector enables a surface load of several 100 kilograms in the system.

The Connector

Stable centerpiece for continuous media routing
The connector is the central, static structural element of the *elneos connect* laboratory furniture series. It dissipates the high forces via the aluminum table legs and is the connector element between table leg and table frame from the floor to all system components. Media of all kinds can be guided continuously through various additional profiles on the inside. Even the media in the clip profiles (Expand profiles), with a rotating function for opening, are guided by the connector without interruption.

Infinitely variable depth adjustment of the table legs
In combination with the aluminum base, the Connector allows all table legs to be moved steplessly to any depth position. This means that additional persons can be comfortably seated at a work table.

Convertible table base combinations
Due to the stepless adjustment, the table legs can be set to the exact desired dimension. It becomes possible to design 4-leg, C-leg and T-leg tables convertible. A C-foot table easily becomes a T-leg or a 4-leg table and vice versa.

Floating tabletop
The curved shape of the connector makes the tabletop appear to float above the table legs. A significant advantage results from the free table edge, which provides space for, among other things, collecting and tool trays as well as the media guide. In addition, the underbuilt aluminum frame is recessed and housed components do not interfere.

Individual height adjustment of the work surface
The Connector increases ergonomics by enabling an individualized working height due to the stepless vertical adjustment of the L-profile.

The Connector Colors

Color surfaces of the connectors with new color indicators
elneos connect also sets new standards in terms of color. The color indication is taken over by the connectors. The innovative connectors are powder-coated in a fresh and modern shade of green as standard according to the RAL DESIGN system (No. 1107070).

Holistic color indication: green – white – black – chromed
Not only the *elneos connect* furniture system is given a modern look by the color indication. The *elneos five* device system and the new *elneos six* also impress with a consistent, user-friendly interface, which is kept in the fresh color indication in many areas.

The color scheme and fine color coordination between the laboratory furniture and equipment system played an important role in the development. Due to the simultaneous development of both systems, the color scheme was coordinated. The color-indexed surfaces of the connector lend each piece of furniture its individual character without being obtrusive. The anodized extruded aluminum profiles of *elneos connect* complement the restrained character of the overall system.

The available colors pure white (RAL no. 9010) and graphite black (RAL no. 9011) are also found in the device area, so that a perfect unit is formed with each color. For the communicative office-business area, a high-gloss chrome-plated version is available.

Desired colors
On request, the connectors can be supplied in corporate colors so that an individual appearance can be maintained.

Standard colour elneos-green
(RAL DESIGN 1107070), Order no. ELCC1

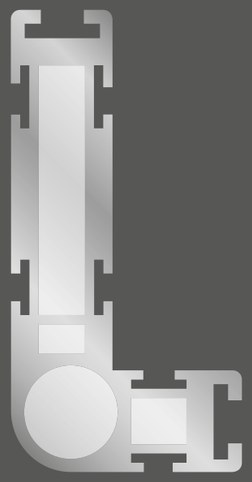
Alternative colour pure white
(RAL 9010), Order no. ELCC2

Alternative colour graphite black
(RAL 9011), Order no. ELCC3

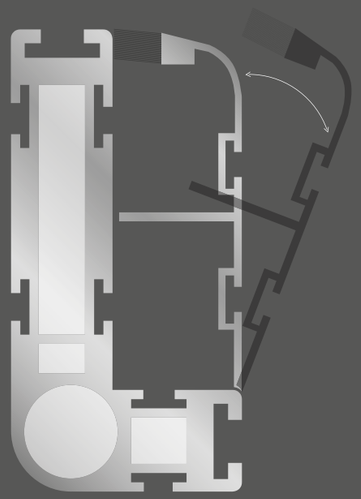
Alternative colour bright
chrome-plated, Order no. ELCC4

The Profiles

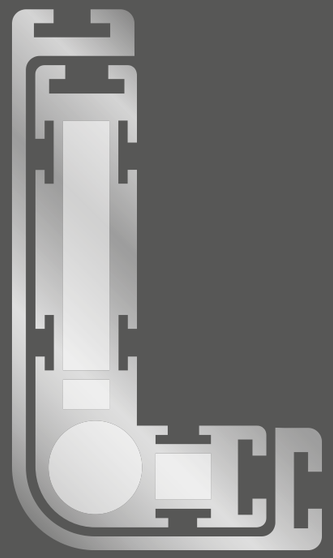
Light and functional – The *elneos connect* furniture series with its sophisticated aluminum profile system offers completely new combination possibilities. The basis of the profile system is the L-profile. This basic profile is supplemented with other profile shapes, the Expand Profiles and the Telescopic Profile for table height adjustment, giving *elneos connect* absolute flexibility and freedom.



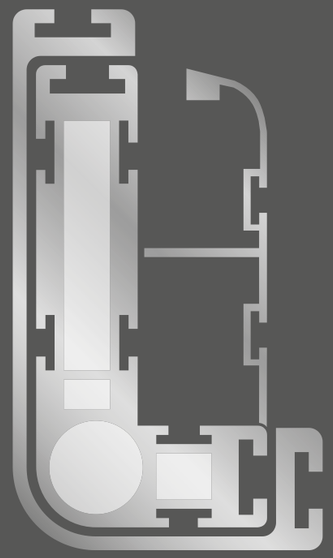
L-profile



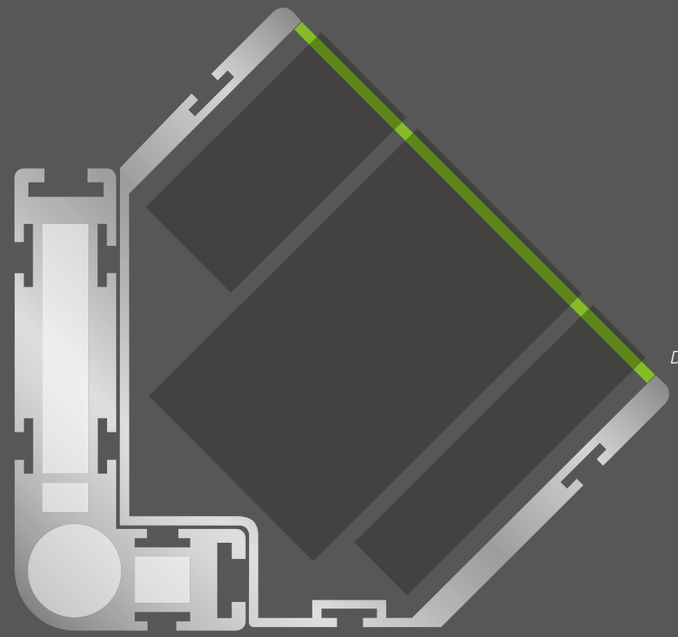
L-profile with fold-out Expand Profile 1



L-profile with Telescopic Profile

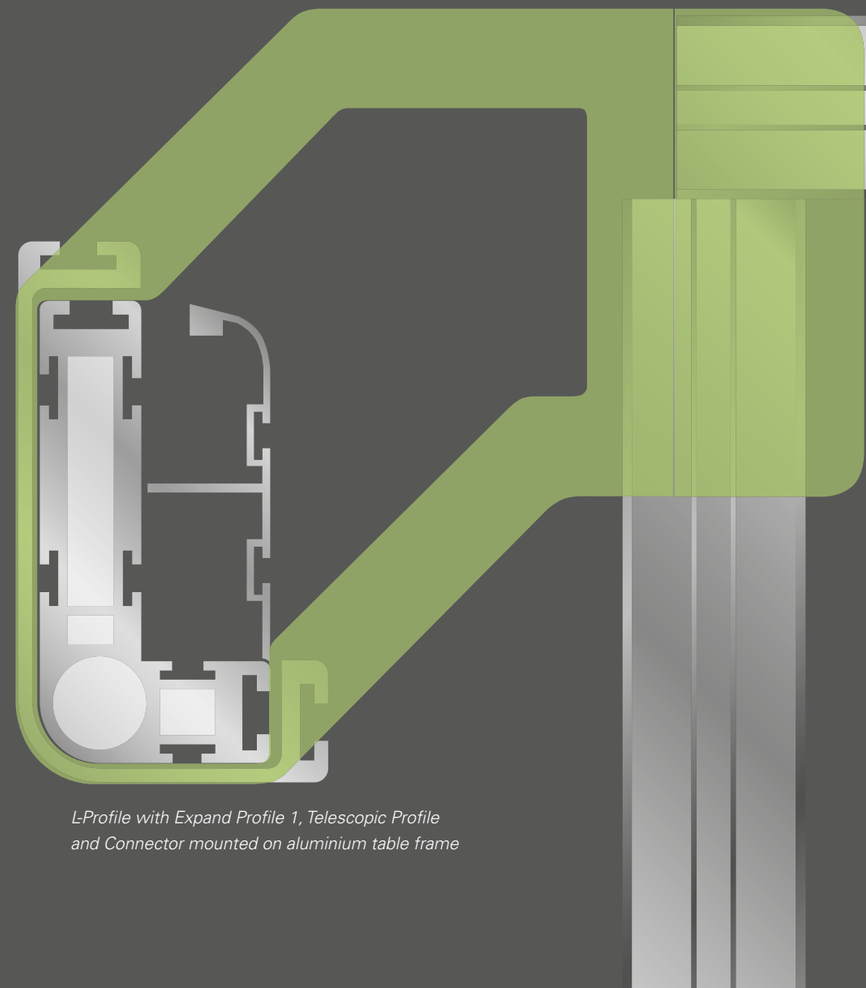


L-profile with fold-out Expand Profile 1 and Telescopic Profile



Device system acto

L-profile with Expand Profile 2, front panel and device system acto.



L-Profile with Expand Profile 1, Telescopic Profile and Connector mounted on aluminium table frame

The L-Profile

The basis of the entire profile system is an aluminum profile base, which is shaped in L-shape. Due to its shape, this profile has two legs, which in turn can accommodate different profiles. All so-called Expand Profiles and the Telescopic Profile are designed for the for mounting on the inside and outside of the L-profile and provide the and give the profile system numerous extension possibilities.

Long leg
The long leg has two cable chambers through both of which data and power data and power lines as well as compressed air lines can be routed through both. A round chamber is also used to accommodate hydraulic cylinders for height-adjustable tables. for height-adjustable tables. In addition, the long leg can accommodate a foot height adjuster to compensate for uneven floors, and an additional as well as an additional hollow chamber to accommodate pins for profile extension.

The leg has five T-slots, one of which is located on the face of the L-section. face of the L-section. Two grooves are located on the outside and inside of the profile and allow the connection of further profile system other profile system components. A clip groove on the inside of the clip groove on the inside of the profile is used to snap in a pivoting aluminum channel. This aluminum profile is shaped so that it is flush with the overall shape of the L.

Short leg
The short leg has a T-slot on each of the three open sides. Grooves on each of the three open sides, and a spigot for profile extension can be inserted.

The Expand Profile 1

One of the many possible additions to the L-profile by *elneos connect* is the Expand Profile 1. this profile is clipped onto the inside and can be swung open at any time by means of an intelligent rotary hinge. This is an aluminum profile for the further accommodation of cables and small electrical devices such as data sockets or compressed air couplings. In addition, the profile has two T-slots on the inside, which in turn allow any system components to be accommodated. Socket strips can be easily mounted on the inside.

Useful addition to the L-profile

When the Expand Profile and the L-profile are closed, the entire base does not show its inner complexity. The Expand Profile 1 can be easily opened and closed again and again by means of a supplementary rotary profile, which performs the function of a hinge. When closed, it forms a closed chamber together with the L-profile and its structure provides two additional chambers. The front chamber has a brush strip on the front side so that measuring cables, data lines or power lines can be fed to the user elegantly and without pinch points on the front side. An integrated separating bar inside the profile means that the chambers guarantee safe separation of different media.

Ingenious flexibility

1. Uninterrupted media routing on the inside of the table.
2. The connector allows this Expand Profile to be opened.
3. The Expand Profile can be mounted continuously or separately.

The Expand Profile 2

Vertical

As an alternative to Expand Profile 1, a larger profile can be applied to the inside of the L-profile – Expand Profile 2. This profile is used to integrate electrical devices with a greater installation depth, such as safety and switching units, sockets or generators. The profile can be attached to the L-profile on one or two sides. Vertical use means that horizontal superstructures or cockpits can be partially dispensed with. The profile is large enough to accommodate deeper components such as 3-phase circuit breakers or motor protection switches. The components are therefore always accessible and do not have to be installed in cable trays.

Use in the vertical

The profile has 6 T-slots, four of which face outwards and two inwards. The profile is open at the front and can accommodate devices of the *acto* series. The 45° mounting angle keeps the installed devices in an ergonomic position for the user. On the front side, a groove forms the receptacle for a 19-inch threaded strip to which the insert plates are screwed. The inner grooves are used to accommodate top-hat rails, sockets, connectors or electrical installation material.

Three spaces in one profile

Internal grooves can be used to fit several separating surfaces, creating up to three separate rooms. These spaces carry media without crosstalk and without affecting the overall installation depth.

Lateral connection of system components

The profile is formally designed in such a way that, viewed from the front, it slopes inward on the outside. This shape opens up a free space on the outside of the profile at tabletop level, which provides the connection of swivel arms for monitors or swivel lights.

The Expand Profile 2

Vertical and Horizontal

The Expand Profile 2 can be installed vertically as well as horizontally or in combination as *erfi-Bridge*. In each variant, modular assembly with the *acto* device series is possible as well as cable and media routing within the profile.

In horizontal position the Expand Profile 2 serves either as a small table top or mounted between the L-profiles as a small cockpit. By combining Expand Profile 2 vertically and horizontally, a bridge can be stretched across the table from left to right. The *erfi-Bridge* carries superstructures such as cockpits or storage boards.

Intelligent slope when installed horizontally

When installed horizontally, the profile's 45° slope enables the ergonomic ergonomic integration of equipment at the front. Horizontally and vertically the miter cut creates a completely new, coherent unit – the *erfi-Bridge*.

The erfi-Bridge

1. Allows continuous cable routing.
2. Can be installed and retrofitted on any functional level.
3. Can accommodate components at any position.
4. Accommodates deep components.
5. Shields electromagnetic radiation inside.
6. Can be built as a stand-alone system.
7. Can continue the vertical profile to the floor.
8. Front panel color is freely selectable (natural anodized as standard).
9. Holds mounted boards and cockpits.

The erfi-Bridge

The Expand Profile 2 as erfi-Bridge – The *erfi-Bridge* allows continuous cable routing and can accommodate components of different construction depth in any position. The combination of the Expand Profile 2 can be continued to the floor and also holds mounted boards and cockpits.

Hinweis: Einsatzplattenprogramm *acto* auf Seiten 118-135.

The Height Adjustment

Height adjustment with the Telescopic Profile

The innovative Telescopic Profile with functional grooves additionally stabilizes the table if electromotive or mechanical height adjustment is required.
A hydraulic cylinder is inserted into each L-profile and a total of four hydraulic cylinders lift the entire table structure. The Telescopic Profile encloses the L-profile and forms a highly stable guide with it. When the hydraulic cylinders extend, the Telescopic Profiles remain remain on the floor, with the cylinders and cables invisible.

Stable height adjustment with additional function

The Telescopic Profile has a T-slot on each end face. With this PC trays or other system components can be adapted.

Optional control

The electromotive height adjustment can be controlled in connection with the erfi software via Bluetooth. can be controlled from a tablet or smartphone via Bluetooth. Various user settings can be stored in an APP. Alternatively, the height adjustment can be controlled via the new *elneos six* device system.

Long stroke lengths with high lever loads

By using the Telescopic Profile, long stroke lengths with high lever loads are moved, as the load is transferred from the lifting cylinder to the stable telesco-pic leg. Our experience with electric motor-driven height-adjustable tables make it possible to maneuver table loads of up to 600 kg. The new telescopic leg with its form closure provides special stability and at the same time allows the installation of new and innovative compact cylinders, which bring a stroke length of 280 mm to 500 mm to a height of 1300 mm.

Lightweight, Stable and

All-aluminium furniture
elneos connect is the all-aluminum furniture system in the electronics lab bench sector. Aluminum has been consistently used for almost all components, including the frame, and this makes *elneos connect* a lightweight. The implementation in aluminum brings, in addition to many additional functions, a weight saving of over 30% compared to previous systems. Under new requirements of the room situation, the manageability of the system is thus simplified many times over.

Perfect docking station
The aluminum functional frame is made of a highly stable 40 x 40 mm aluminum profile, which has a T-slot on each side. This guarantees the stepless depth adjustment of the table legs. The side grooves allow additional system elements, such as suspended pedestals, PC trays or cable trays, to be retrofitted at any point.

The weight saving associated with the aluminum frame is a decisive advantage during assembly or relocation phases. The specially developed profile structure is also designed for heavy loads and offers very high stability.

... Convertible

Continuous adjustment
All frames can be used for continuous adaptation of all types of cable ducts and drawer containers. Due to the curved shape of the connector, a free space is created between the underside of the tabletop and the connector, which can be used sensibly for attaching brackets.

The gained depth variability allows extreme legroom and high flexibility of the frame for further foot positions.

Smart connection technology
Newly developed connectors allow longitudinal or transverse frames to be used elegantly. Likewise, longitudinal frames, for example, can be easily moved in their position to create additional free space for cable ducts or other system components.

The new design is particularly characterized by its adaptability and changeability. With this flexibility, the *elneos connect* table frame is superior to any steel frame*.

* Alternatively, a circumferentially welded steel frame is available on request.

The Worktop ergo-line

In the development of the ergo-line worktop, particular emphasis was placed on ergonomics. The front corners of the work surface were rounded and correspond to the radius of the connector below. The ergonomic curves prevent bumping and significantly reduce the risk of injury. At the same time, the radius at this point protects the tabletop against impact.

The edgebanding on this worktop is applied by machine in one piece and is and is not interrupted. It is a thick edge with high impact resistance. Specially equipped CNC milling centers with adapted edging units, this radius is realized.

Laser edging technology for all decors

A new laser technology for edge fusion enables premium quality for all wood elements. A permanent and jointless connection is created for all decors. The fusion of edge and panel increases the thermal stability as well as the moisture resistance of the components. The color of the material layer is exactly matched to the decor layer, creating an appearance that gives the impression of a solid material. The laser edge technology gives the material layer a special hardness and prevents the joint from rubbing out in everyday use - dirty joints are a thing of the past.

Table rows and single tables

This radius is ideal not only for single tables but also for table rows. The table top becomes unassailable and ensures a long service life for your laboratory equipment. The new decor front white gives the system a noble character and the appropriate elegance.

The Tech Edge alu-line

The new exposed load-bearing Tech Edge alu-line is equipped with two T-slots and a channel function. Vices and other components can components can thus be fastened without twisting. The integrated front protect the clothing from soiling and a highly stable plastic and a highly stable plastic sheath protects the base body.

Best ergonomic performance
The newly developed cover caps are rounded with a radius of radius of 20 mm. This means that all table corners are rounded and are haptically pleasant. The tight radius of 20 mm is also ideal for table rows ideal and guarantees an extended service life for your furnishings.

T-slots and channel function
The T-slots integrated on the underside are used for connecting system components system components such as storage trays or material trays. The edge is also designed in such a way that a vice can be attached without twisting and without damaging the tabletop. The edge profile has a slight recess on the top side so that small materials such as screws, tools or writing utensils cannot fall off.

ESD version
The plastic sheathing of the Tech Edge of the conductive laboratory tables is also is also available in an ESD version. An additionally developed tool guarantees perfect flow behavior during the manufacturing process.

Note: For other versions, see ordering section pages 72 ff.

Table Structure and Cockpit

Device holder with invisible lighting concept

The *elneos connect* laboratory furniture system offers table-top systems for 19-inch equipment mounting and free-standing equipment cockpits above the table surface. The modules feature extensive new functions such as aluminum profiles, impact protection, a swiveling and adaptive lighting concept that is invisible from the outside, Bluetooth in conjunction with HCL function, and an integrated Indication Light.

19-inch elneos® six, highlab® and basic equipment systems

The compactness of *elneos six* allows significantly reduced overall depths and are compatible with other standard-compliant 19-inch device systems. The 19-inch *highlab* and *basic* series fit seamlessly alongside the capacitively controlled *elneos six* series, whose user interface has been color-coordinated to match.

Profiles simplify assembly

The tabletop structure and the cockpit have aluminum functional profiles on the upper and lower sides of the device mount, which form the mounting mechanism for the 19-inch plug-in units. The new *elneos six* device system is the perfect complement to the *elneos connect* furniture series. No changes need to be made when retrofitting with additional slide-in units.

Wood or solid aluminum

Both components, table superstructures and cockpits, are available in wood laminate and alternatively in full aluminum.

The Cockpit Profiles

The profiles below the cockpit offer the accommodation of components, data lines and the table lighting due to their versatile design.

Upper profile

The upper profile is used for extensive power, data and measurement cables. This allows cables and media to be routed between two adjacent tables at this level inside the profile. The through-wiring of adjacent cockpits can thus be easily realised without cables on the rear of the cockpit restricting the user. The upper profile also has a raised section at the top, which provides protection against slipping for cockpits and boards and also serves as impact protection.

Integrated T-slots

An integrated T-slot allows system components to be docked onto the cover plates of the cockpit. In this way, brackets and partition plates can be adapted horizontally at any point via a slot nut, for use as bookends, for example. The aluminum profile below also has T-slots for further connection options for system components such as storage trays, equipment platforms or swivel arms.

Indication Light and lower profile

The special profiles for the lighting concept are mounted below the cockpit. Here, the front table width Indication Light informs about the status of your laboratory table at any time by means of an RGB light band. In the lower profile, the swiveling RGB LED work light is invisibly integrated and provides intelligent workplace illumination for glare-, reflection- and shadow-free work. The light can be mounted on any shelf board with the Toplight aluminum profile and retro-fitted with the swivel insert.

The Lighting Concept

The latest LED technology was taken into account in the in-house development of the *elneos connect* lighting. In the lower profile Toplight of the cockpit, the Indication Light is integrated in a round groove at the front as well as an invisible and swiveling RGB LED workstation illumination.

Indication Light

The Indication Light is a special LED light guide, which can be operated either as a signal indicator or ambient light. Smooth color transitions as well as flashing functions are also possible. In training and in industry, the signaling of the table condition is of great importance:

green = Everything is OK and the table is switched on,
red = Danger, e.g. limit values exceeded,
yellow = devices with low voltage are enabled,
blue = devices with extra-low voltage and low voltage are enabled;

Workplace illumination

In the lower profile, the swiveling RGB LED work light is invisible to the table. invisible to the table. This light is controlled by powerful RGB LEDs as well as white high-power LEDs. The light can be swiveled in its holder, it is dimmable and any light colors can be set. The light can be mounted on any storage board with the Toplight aluminum profile and retrofitted with the swivel insert – so the workstation is always optimally illuminated. Another benefit is the adjustment of the light color to the current daylight situation, as well as the avoidance of shadows. The new luminaire can also be used as a single luminaire and is alternatively available with white LEDs only.

Premium Light Quality

- Luminaire with high-power RGB LEDs as well as with white premium LEDs
- Standard with non-contact sensors for dimming and light color adjustment
- Dimming and light color adjustment manually and remotely adjustable (optional)
- Installation height integrated in Toplight profile
- Light color standard 4000 K neutral white, on request light colors in warm white, cool white and daylight (optional)
- Swivels for optimal light control
- Invisible and glare-free
- Color fastness and good contrast
- Area light due to premium LEDs
- Lifetime up to 50,000 h with 30 % savings
- Remote controllable via Bluetooth with device system *elneos six*, tablet and smartphone (optional)
- Beam angle 120
- Color rendering RA > 85
- Regulation of the lighting climate in shortest time by memory function
- RGB LEDs and white LEDs can be independently controllable

The Container Program

Handleless design - touch-to-open technology
Optional touch-to-open technology* automatically opens the drawer when the drawer front is touched. Each drawer opens at light pressure. An integrated tumbler prevents unintentional opening. Even when both hands are occupied, the drawers can be opened and closed elegantly with a light tap of the knee.

Large diameter design castors
Due to their size (ø 75 mm), the castors have superior running characteristics with particularly high stability. The load capacity per castor is 100 kg when moving and up to 200 kg when standing. The driving noise is almost noiseless and that with fantastically low wear.

Stable integrated running gear
A stable integrated chassis holds the maximum load on the rollers. As a result, the rollers cannot tear out and can withstand the stresses of industry and education.

Maintenance-free drawer guides
The guides have a very long service life due to the built-in automatic self-cleaning of the tracks.

* All containers are supplied with Smart-Close and bow handles as standard.

Ordering Information

Base Table Type 1.1

elneos Green ELCC1

Pure White ELCC2

Graphite Black ELCC3

Chrome-plated ELCC4

Table type 1.1 Base table

Work surfaces: ergo-/alu-line: 30 mm HPL laminated chipboard; solid core: 12 mm melamine resin solid core board; multiplex: 30 mm oiled.

Decor work surfaces: The decor can be selected in front white or multiplex. For a jointless connection, all decors (except solid core and multiplex) are manufactured with the laser edge.

Table frame: Stable aluminum table frame with circumferential groove technology for connecting components and high weight savings. Alternatively, as a completely welded steel frame all around.

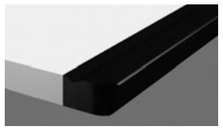
Connector: green (RAL 1107070), pure white (RAL 9010), black (RAL 9011) or chrome-plated.

Aluminum profile: Four aluminum profile feet, with two cable chambers for separate media routing, intelligent clip groove technology for accommodating Expand profiles, 8 grooves for standard sliding blocks and one chamber for accommodating the electromotive height adjustment. Continuously mountable at any position of the aluminum table frame as well as extendable upwards as desired.

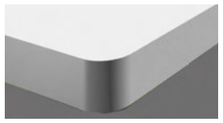
Base table type 1.1							
Lengths	**Depths**	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Solid core**	**Mulitplex**
1.200 mm	850 mm	ELC1.1.1281	ELC1.1.1282	ELC1.1.1283	ELC1.1.1284	ELC1.1.1287	ELC1.1.1288
	1000 mm	ELC1.1.1211	ELC1.1.1212	ELC1.1.1213	ELC1.1.1214	ELC1.1.1217	ELC1.1.1218
1.600 mm	850 mm	ELC1.1.1681	ELC1.1.1682	ELC1.1.1683	ELC1.1.1684	ELC1.1.1687	ELC1.1.1688
	1000 mm	ELC1.1.1611	ELC1.1.1612	ELC1.1.1613	ELC1.1.1614	ELC1.1.1617	ELC1.1.1618
1.800 mm	850 mm	ELC1.1.1881	ELC1.1.1882	ELC1.1.1883	ELC1.1.1884	ELC1.1.1887	ELC1.1.1888
	1000 mm	ELC1.1.1811	ELC1.1.1812	ELC1.1.1813	ELC1.1.1814	ELC1.1.1817	ELC1.1.1818
2.000 mm	850 mm	ELC1.1.2081	ELC1.1.2082	ELC1.1.2083	ELC1.1.2084	ELC1.1.2087	ELC1.1.2088
	1000 mm	ELC1.1.2011	ELC1.1.2012	ELC1.1.2013	ELC1.1.2014	ELC1.1.2017	ELC1.1.2018

Base Table Type 1.2

180° Cable flap



Alu-line



Ergo-line

Multiplex

Solid core

Table type 1.2 with 180° cable flap

Design as table type 1.1, but with additional cable flap and integrated cable flap and integrated cable tray with function surface in the rear area of the work surface.

Cable flap: 180° openable, split flap possible.

Cable tray: Can be flexibly mounted on the aluminum functional frame (150 mm usable depth), ergonomic functional surface for socket strip.

Work surfaces with conductive ESD design

All worktops are alternatively available in ESD design and in the decor front white. In the case of the alu-line worktop, the plastic sheathing of the aluminum profile is made of a high-quality conductive plastic. Conductive plastic has a different flow behavior in the production process. To ensure that the conductive version also maintains a good shape with the tabletop, a special tool was additionally developed for this purpose.

Order no. for split cable flap: ELC1.2.GK

Base table type 1.2 with 180° cable flap						
Lengths	**Depths**	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Mulitplex**
1.200 mm	850 mm	ELC1.2.1281	ELC1.2.1282	ELC1.2.1283	ELC1.2.1284	ELC1.2.1288
	1000 mm	ELC1.2.1211	ELC1.2.1212	ELC1.2.1213	ELC1.2.1214	ELC1.2.1218
1.600 mm	850 mm	ELC1.2.1681	ELC1.2.1682	ELC1.2.1683	ELC1.2.1684	ELC1.2.1688
	1000 mm	ELC1.2.1611	ELC1.2.1612	ELC1.2.1613	ELC1.2.1614	ELC1.2.1618
1.800 mm	850 mm	ELC1.2.1881	ELC1.2.1882	ELC1.2.1883	ELC1.2.1884	ELC1.2.1888
	1000 mm	ELC1.2.1811	ELC1.2.1812	ELC1.2.1813	ELC1.2.1814	ELC1.2.1818
2.000 mm	850 mm	ELC1.2.2081	ELC1.2.2082	ELC1.2.2083	ELC1.2.2084	ELC1.2.2088
	1000 mm	ELC1.2.2011	ELC1.2.2012	ELC1.2.2013	ELC1.2.2014	ELC1.2.2018

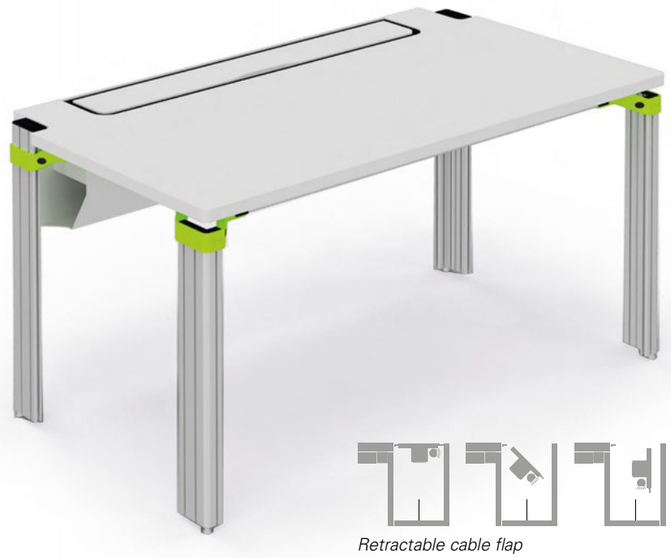
Base Table Type 1.3

elneos Green ELCC1

Pure White ELCC2

Graphite Black ELCC3

Chrome-plated ELCC4



Retractable cable flap

Table type 1.3 with retractable cable flap
Design as table type 1.1, but with a cable flap that can be lowered inwards and an integrated cable tray.

Cable tray: Flexible mounting;
with a usable depth of 300 mm.

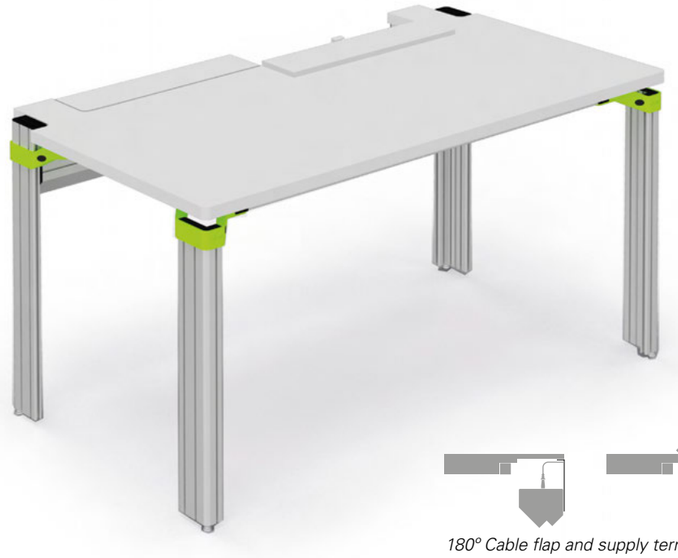
Cable flap: Can be opened inwards with two brush strips and two opening positions, centered and complete opening position.

Special features

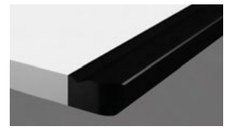
- Easy opening and access through One-Finger-Touch and Quick-Access
- Perfect sorting of the outgoing media on the table surface due to two brushes
- No protrusion of the cable flap during opening and closing
- Front brushes improve accessibility
- Rear brushes optimize the work surface
- Lateral cable exit due to lateral brushes

Base table type 1.3 with lowerable cable flap						
Lengths	**Depths**	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Mulitplex**
1.200 mm	850 mm	ELC1.3.1281	ELC1.3.1282	ELC1.3.1283	ELC1.3.1284	ELC1.3.1288
	1000 mm	ELC1.3.1211	ELC1.3.1212	ELC1.3.1213	ELC1.3.1214	ELC1.3.1218
1.600 mm	850 mm	ELC1.3.1681	ELC1.3.1682	ELC1.3.1683	ELC1.3.1684	ELC1.3.1688
	1000 mm	ELC1.3.1611	ELC1.3.1612	ELC1.3.1613	ELC1.3.1614	ELC1.3.1618
1.800 mm	850 mm	ELC1.3.1881	ELC1.3.1882	ELC1.3.1883	ELC1.3.1884	ELC1.3.1888
	1000 mm	ELC1.3.1811	ELC1.3.1812	ELC1.3.1813	ELC1.3.1814	ELC1.3.1818
2.000 mm	850 mm	ELC1.3.2081	ELC1.3.2082	ELC1.3.2083	ELC1.3.2084	ELC1.3.2088
	1000 mm	ELC1.3.2011	ELC1.3.2012	ELC1.3.2013	ELC1.3.2014	ELC1.3.2018

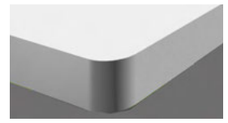
Base Table Type 1.4



180° Cable flap and supply terminal



Alu-line



Ergo-line

Multiplex

Solid core

Table type 1.4 with terminal and 180° cable flap
Design as table type 1.1, but with cable flap and integrated lowered supply terminal for variable equipment with the intelligent *acto* compact device program.

Cable flap: 180° openable, split flap possible.

Supply terminal: Can be flexibly mounted on the aluminum functional frame for equipping with the *acto* device program**.**

Order no. for split cable flap: ELC1.2.GK

Base table type 1.4 with recessed supply terminal and 180° cable flap						
Lengths	**Depths**	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Mulitplex**
1.200 mm	850 mm	ELC1.4.1281	ELC1.4.1282	ELC1.4.1283	ELC1.4.1284	ELC1.4.1288
	1000 mm	ELC1.4.1211	ELC1.4.1212	ELC1.4.1213	ELC1.4.1214	ELC1.4.1218
1.600 mm	850 mm	ELC1.4.1681	ELC1.4.1682	ELC1.4.1683	ELC1.4.1684	ELC1.4.1688
	1000 mm	ELC1.4.1611	ELC1.4.1612	ELC1.4.1613	ELC1.4.1614	ELC1.4.1618
1.800 mm	850 mm	ELC1.4.1881	ELC1.4.1882	ELC1.4.1883	ELC1.4.1884	ELC1.4.1888
	1000 mm	ELC1.4.1811	ELC1.4.1812	ELC1.4.1813	ELC1.4.1814	ELC1.4.1818
2.000 mm	850 mm	ELC1.4.2081	ELC1.4.2082	ELC1.4.2083	ELC1.4.2084	ELC1.4.2088
	1000 mm	ELC1.4.2011	ELC1.4.2012	ELC1.4.2013	ELC1.4.2014	ELC1.4.2018

Base Table Type 1.4 with Terminal

elneos Green ELCC1

Pure White ELCC2

Graphite Black ELCC3

Chrome-plated ELCC4

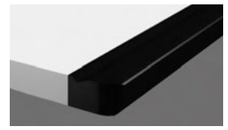
Table type 1.4 with flush-mounted terminal
Design as table type 1.1, but with additional supply terminal.

Supply terminal: Flush with the table top on the aluminum functional frame for equipping with the *acto* device program.

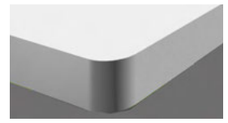
Flush supply terminal rear view

Base table type 1.4 with flush-mounted supply terminal							
Lengths	**Depths**	**ergo-line**	**ergo-line ESD**	**alu-line**	**alu-line ESD**	**Solid core**	**Mulitplex**
1.200 mm	850 mm	ELC1.4.1281.2	ELC1.4.1282.2	ELC1.4.1283.2	ELC1.4.1284.2	ELC1.4.1287.2	ELC1.4.1288.2
	1000 mm	ELC1.4.1211.2	ELC1.4.1212.2	ELC1.4.1213.2	ELC1.4.1214.2	ELC1.4.1217.2	ELC1.4.1218.2
1.600 mm	850 mm	ELC1.4.1681.2	ELC1.4.1682.2	ELC1.4.1683.2	ELC1.4.1684.2	ELC1.4.1687.2	ELC1.4.1688.2
	1000 mm	ELC1.4.1611.2	ELC1.4.1612.2	ELC1.4.1613.2	ELC1.4.1614.2	ELC1.4.1617.2	ELC1.4.1618.2
1.800 mm	850 mm	ELC1.4.1881.2	ELC1.4.1882.2	ELC1.4.1883.2	ELC1.4.1884.2	ELC1.4.1887.2	ELC1.4.1888.2
	1000 mm	ELC1.4.1811.2	ELC1.4.1812.2	ELC1.4.1813.2	ELC1.4.1814.2	ELC1.4.1817.2	ELC1.4.1818.2
2.000 mm	850 mm	ELC1.4.2081.2	ELC1.4.2082.2	ELC1.4.2083.2	ELC1.4.2084.2	ELC1.4.2087.2	ELC1.4.2088.2
	1000 mm	ELC1.4.2011.2	ELC1.4.2012.2	ELC1.4.2013.2	ELC1.4.2014.2	ELC1.4.2017.2	ELC1.4.2018.2

Table Types in Basic Version

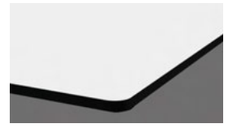


Alu-line



Ergo-line

Multiplex



Solid core

Table type in Basic version
Table types 1.1 to 1.4 but with 90° corners, steel frame, completely welded (version B1) or optionally screwed (version B2), without connector (version B2), without Connector are also offered offered as basic version.

Order note
Add „**.B1**“ or „**.B2**“ to the order number of the table series 1.1 to 1.4. For example: Table type 1.1, 1600 mm long, 850 mm deep, ergo-line: „**ELC1.1.1681.B1**“. By adding „**.B1**“ an elneos connect table automatically becomes a basic version with 90° corners and all-round welded steel frame without connector.

Basic version with split 180° cable flap

Basic version with l owerable cable flap

Table Types in C-Leg Design

elneos Green ELCC1

Pure White ELCC2

Graphite Black ELCC3

Chrome-plated ELCC4

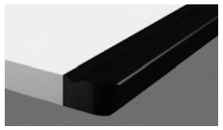
Table type in C-Leg Design
Design as for table types 1.1 to 1.4 but with a C-leg table frame.

Order note
Add „**.C**“ to the order number of the table series 1.1 to 1.4. For example: Table type 1.1, 1600 mm long, 850 mm deep, ergo-line: „**ELC1.1.1681.C**“. By adding „**.C**“ the previous four-leg table frame becomes a C-leg table frame.

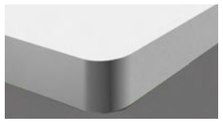
C-leg design with 180° cable flap

C-leg design with lowerable cable flap

Table Types in T-Leg Design



Alu-line



Ergo-line

Multiplex

Solid core

Table type in T-Leg Design
Design as for table types 1.1 to 1.4 but with a T-leg table frame.

Order note
Add „**.T**“ to the order number of the table series 1.1 to 1.4. For example: Table type 1.1, 1600 mm long, 850 mm deep, ergo-line: „**ELC1.1.1681.T**“. By adding „**.T**“ the previous four-leg table frame becomes a T-leg table frame.

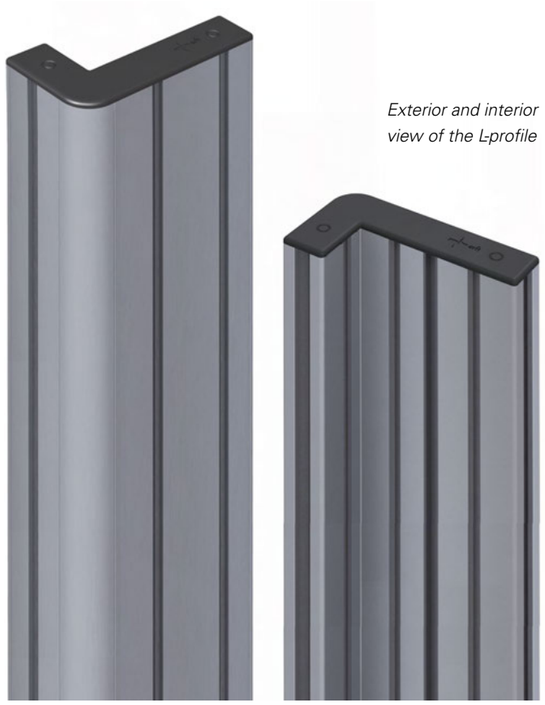
T-leg design with 180° cable flap

T-leg design with lowerable cable flap

L-profile for Modular Tables

The L-profile in one piece

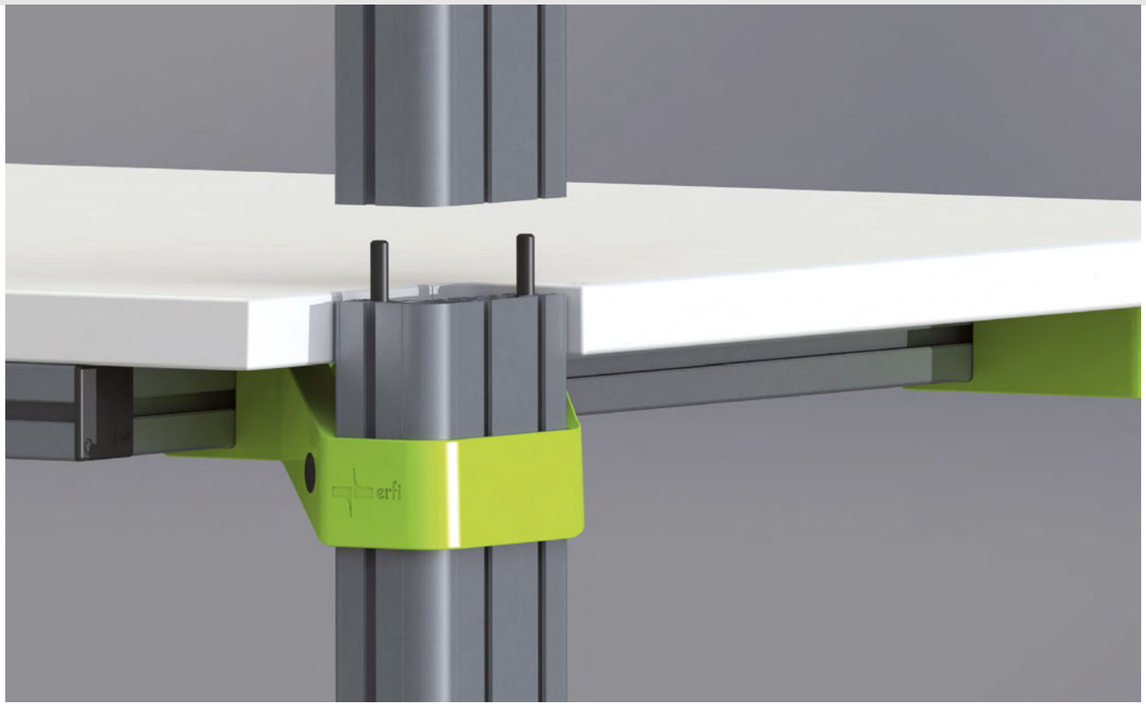
Equipment cockpits and storage boards are mounted on rear profiles made of one piece. Alternatively, the rear foot profiles can also be extended (extension profiles, see next page). The one-piece profiles offer maximum stability due to their shape and uninterrupted structure.



Exterior and interior view of the L-profile

Continuous foot profiles		
Length of rear leg incl. foot plate	**Order no.**	**Note**
702 mm	ELC2.1.0702	Front table legs
780 mm	ELC2.1.0780	Rear table legs
1.200 mm	ELC2.1.1200	Rear table legs
1.400 mm	ELC2.1.1400	Rear table legs
1.500 mm	ELC2.1.1500	Rear table legs
1.800 mm	ELC2.1.1800	Rear table legs
2.000 mm	ELC2.1.2000	Rear table legs
2.200 mm	ELC2.1.2200	Rear table legs

Scope of delivery: L-profile incl. plastic profile cover cap and leveling foot;



The L-profile for extension

The L-profile offers the possibility to extend the rear profile feet as desired with an extension profile. The extension is made by means of internal spikes that engage in corresponding cylinders of the lower L-profile, thus forming an anti-twist protection at the same time. In addition, the profiles are secured. A highly solid connection that is invisible from the outside when mounted.

Raised foot profiles		
from	**to**	**Order no.**
780 mm	1.000 mm	ELC2.2.0220
	1.200 mm	ELC2.2.0420
	1.400 mm	ELC2.2.0620
	1.500 mm	ELC2.2.0720
	1.800 mm	ELC2.2.1020
	2.000 mm	ELC2.2.1220
	2.200 mm	ELC2.2.1420
	Ceiling height*	ELC2.2.DH78
1.200 mm	1.400 mm	ELC2.2.0200
	1.500 mm	ELC2.2.0300
	1.800 mm	ELC2.2.0600
	2.000 mm	ELC2.2.0800
	2.200 mm	ELC2.2.1000
	Ceiling height*	ELC2.2.DH12

Raised foot profiles		
from	**to**	**Order no.**
1.400 mm	1.800 mm	ELC2.2.0400
	2.000 mm	ELC2.2.0600
	2.200 mm	ELC2.2.0800
	Ceiling height*	ELC2.2.DH14
1.500 mm	1.800 mm	ELC2.2.0300
	2.000 mm	ELC2.2.0500
	2.200 mm	ELC2.2.0700
	Ceiling height*	ELC2.2.DH15
1.800 mm	2.000 mm	ELC2.2.0200
	2.200 mm	ELC2.2.0400
	Ceiling height*	ELC2.2.DH18
2.000 mm	2.200 mm	ELC2.2.0200
	Ceiling height*	ELC2.2.DH20
2.200 mm	Ceiling height*	ELC2.2.DH22

* Please specify ceiling height; scope of delivery: L-profile incl. plastic profile cover cap, two extension spikes and securing device;

Mobile Table Frames

The mobile table frames
The tables with mobile frames can be moved quickly and easily. The mobile frame consists of a sturdy steel frame with cross bracing and with four swivel castors Ø 100 mm. Two of the swivel castors are lockable. The indicated height of a table includes the height of the casters.

Mobile table frames	
Table width	**Oder no.**
1.200 mm	ELC8.3.1200
1.600 mm	ELC8.3.1600
1.800 mm	ELC8.3.1800
2.000 mm	ELC8.3.2000

Frame Stiffener

Frame stiffener
The frame stiffening provides the table with additional stability, especially recommended for mobile tables and cockpit tables with a large number of integrated devices. The frame stiffener is available for rear or for rear and side.

Frame stiffener		
Table width	**only rear**	**rear and side**
1.200 mm	ELC8.1.1200	ELC8.2.1200
1.600 mm	ELC8.1.1600	ELC8.2.1600
1.800 mm	ELC8.1.1800	ELC8.2.1800
2.000 mm	ELC8.1.2000	ELC8.2.2000

The technology of electromotive height adjustment
The lifting technology is invisibly hidden in the L-profile without wasting valuable cable space. During the lifting process, the entire workstation is raised to the desired height. Of course, as with previous systems, the suspended containers are also moved in height. If 2 work tables are set up next to each other or connected to each other via a corner link, they can be adjusted in height simultaneously by means of a synchronization cable.

The electromotive height adjustment in connection with BT (Bluetooth)
Optionally, the height adjustment can be controlled via Bluetooth using a smartphone or tablet. Also the saving of different user heights.

Height Adjustment

The electric height adjustment
Compact height adjustment system with maximum stability and load capacity at the same time. The telescopic leg, which includes the L-profile, is the guarantor for a very high stability. The telescopic leg offers additional grooves and thus an optimal connection possibility in the lower table area. Concealed media guidance during the height adjustment process is made possible by the Expand Profile 1, which is placed on the inside of the L-section. It moves together with the L profile and media that are guided in the L profile are also guided invisibly during the height adjustment.

Technical data for electromotive and manual height adjustment by means of a hand crank

Lift: 300 mm from 780 to 1080 mm
400 mm from 780 to 1180 mm (alternative)
500 mm from 780 to 1280 mm (alternative)

Lifting force: 350 kg, alternative 600 kg

Lifting speed: approx. 15 mm/s Height adjustment at the push of a button incl. digital display in cm. Memory function for storing 3 positions (cm display). Alternatively controlled by device system *elneos six*.

EMC: very low electromagnetic radiation, particularly suitable for use in computer workstations or in the electrical engineering industry.

Electromotive height adjustment		
Lift system	**350 kg**	**600 kg**
300	ELC5.300.350	ELC5.300.600
400	ELC5.400.350	ELC5.400.600
500	ELC5.500.350	
Manual height adjustment by means of a hand crank		
Lift system	**350 kg**	
300	ELC5.300.350.H	
400	ELC5.400.350.H	
Manual height adjustment with clamping device		
Lift system	**Order no.**	
100	ELC5.100.1	
200	ELC5.200.1	
300	ELC5.300.1	
400	ELC5.400.1	
Bluetooth incl. erfi app for height adjustment		
erfi App	ELC5.BT	

Special features of the el. height adjustment

1. No waste of cable space
The height adjustment is developed in such a way that the cable space inside the L-profile is not affected. The function of the L-profile and the media routing are maintained.

2. Highest stability and max. adjustment range
The new Telescopic Profile with its form-fit connection to the L-profile ensures stability and at the same time allows the installation of new and innovative compact cylinders. A lifting force of up to 600 kg is a decisive feature.

3. Optimal usability due to integrated grooves
The Telescopic Profile is an extruded aluminum profile with integrated functional grooves. All conceivable system components can be mounted on this Telescopic Profile without them following the lifting movement. If the system components are to follow the stroke movement, they can be connected directly to the movable L-profile.

4. Media guidance and protection
In the *elneos connect*, media are always guided concealed as standard and also by the Telescopic Profiles during the lifting process. Even large quantities of cables are concealed on all sides by the Expand Profile 1 during the lifting process and protected against external influences.

5. Expandable and flexible without conversion
Expand Profile 1 can be retrofitted at any time. The Telescopic Profile encloses the L-profile in such a way that the inside allows the Expand Profile 1 to be retrofitted.

6. Retrofittability
The new height adjustment system has been developed so that it can be installed in existing *elneos connect* tables.

Manual height adjustment
The manual height adjustment is equipped with a hand crank.

Angle Combinations for Room Design

Angle combinations

Due to the variety of angle linking plates, the *elneos connect* furniture system offers a very high flexibility. The construction is basically the same as the basic tables.

All angle links are designed with the ergo-line tabletop edge and thus also complement the work surfaces of the adjacent tables, which are equipped with the alu-line edge.

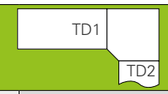
Linkage form 1

TD1	TD2	ergo-line	ergo-line ESD	Solid core	Mulitplex
850 mm	850 mm	ELC1.7.1.88.1	ELC1.7.1.88.2	ELC1.7.1.88.5	ELC1.7.1.88.6
850 mm	1000 mm	ELC1.7.1.81.1	ELC1.7.1.81.2	ELC1.7.1.81.5	ELC1.7.1.81.6
1000 mm	850 mm	ELC1.7.1.18.1	ELC1.7.1.18.2	ELC1.7.1.18.5	ELC1.7.1.18.6
1000 mm	1000 mm	ELC1.7.1.11.1	ELC1.7.1.11.2	ELC1.7.1.11.5	ELC1.7.1.11.6

Linkage form 2

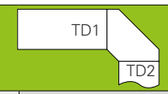
TD1	TD2	ergo-line	ergo-line ESD	Solid core	Mulitplex
850 mm	850 mm	ELC1.7.2.88.1	ELC1.7.2.88.2	ELC1.7.2.88.5	ELC1.7.2.88.6
850 mm	1000 mm	ELC1.7.2.81.1	ELC1.7.2.81.2	ELC1.7.2.81.5	ELC1.7.2.81.6
1000 mm	850 mm	ELC1.7.2.18.1	ELC1.7.2.18.2	ELC1.7.2.18.5	ELC1.7.2.18.6
1000 mm	1000 mm	ELC1.7.2.11.1	ELC1.7.2.11.2	ELC1.7.2.11.5	ELC1.7.2.11.6

Linkage form 3



Size W x D	TD1	TD2	ergo-line	ergo-line ESD	Solid core	Mulitplex
1000 x 1000 mm	850 mm	850 mm	ELC1.7.3.11.1	ELC1.7.3.11.2	ELC1.7.3.11.5	ELC1.7.3.11.6
1050 x 1200 mm	1000 mm	850 mm	ELC1.7.3.12.1	ELC1.7.3.12.2	ELC1.7.3.12.5	ELC1.7.3.12.6
1200 x 1050 mm	850 mm	1000 mm	ELC1.7.3.21.1	ELC1.7.3.21.2	ELC1.7.3.21.5	ELC1.7.3.21.6
1200 x 1200 mm	850 mm	850 mm	ELC1.7.3.228.1	ELC1.7.3.228.2	ELC1.7.3.228.5	ELC1.7.3.228.6
1200 x 1200 mm	1000 mm	1000 mm	ELC1.7.3.221.1	ELC1.7.3.221.2	ELC1.7.3.221.5	ELC1.7.3.221.6
1200 x 1350 mm	1000 mm	850 mm	ELC1.7.3.23.1	ELC1.7.3.23.2	ELC1.7.3.23.5	ELC1.7.3.23.6
1350 x 1200 mm	850 mm	1000 mm	ELC1.7.3.32.1	ELC1.7.3.32.2	ELC1.7.3.32.5	ELC1.7.3.32.6
1400 x 1400 mm	1000 mm	1000 mm	ELC1.7.3.44.1	ELC1.7.3.44.2	ELC1.7.3.44.5	ELC1.7.3.44.6

Linkage form 4

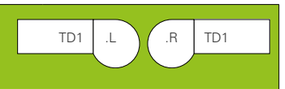


Size W x D	TD1	TD2	ergo-line	ergo-line ESD	Solid core	Mulitplex
1000 x 1000 mm	850 mm	850 mm	ELC1.7.4.11.1	ELC1.7.4.11.2	ELC1.7.4.11.5	ELC1.7.4.11.6
1050 x 1200 mm	1000 mm	850 mm	ELC1.7.4.12.1	ELC1.7.4.12.2	ELC1.7.4.12.5	ELC1.7.4.12.6
1200 x 1050 mm	850 mm	1000 mm	ELC1.7.4.21.1	ELC1.7.4.21.2	ELC1.7.4.21.5	ELC1.7.4.21.6
1200 x 1200 mm	850 mm	850 mm	ELC1.7.4.228.1	ELC1.7.4.228.2	ELC1.7.4.228.5	ELC1.7.4.228.6
1200 x 1200 mm	1000 mm	1000 mm	ELC1.7.4.221.1	ELC1.7.4.221.2	ELC1.7.4.221.5	ELC1.7.4.221.6
1200 x 1350 mm	1000 mm	850 mm	ELC1.7.4.23.1	ELC1.7.4.23.2	ELC1.7.4.23.5	ELC1.7.4.23.6
1350 x 1200 mm	850 mm	1000 mm	ELC1.7.4.32.1	ELC1.7.4.32.2	ELC1.7.4.32.5	ELC1.7.4.32.6
1400 x 1400 mm	1000 mm	1000 mm	ELC1.7.4.44.1	ELC1.7.4.44.2	ELC1.7.4.44.5	ELC1.7.4.44.6

Linkage form 5

Size W x D	ergo-line	ergo-line ESD	Solid core	Mulitplex
800 x 400 mm	ELC1.7.5.84.1	ELC1.7.5.84.2	ELC1.7.5.84.5	ELC1.7.5.84.6
800 x 600 mm	ELC1.7.5.86.1	ELC1.7.5.86.2	ELC1.7.5.86.5	ELC1.7.5.86.6
1000 x 600 mm	ELC1.7.5.16.1	ELC1.7.5.16.2	ELC1.7.5.16.5	ELC1.7.5.16.6
Incl. connection fitting and 2 round feet				

Linkage form 6



TT1	ergo-line	ergo-line ESD	Solid core	Mulitplex
850 mm	ELC1.7.6.88.1	ELC1.7.6.88.2	ELC1.7.6.88.5	ELC1.7.6.88.6
1000 mm	ELC1.7.6.11.1	ELC1.7.6.11.2	ELC1.7.6.11.5	ELC1.7.6.11.6
Incl. connection fitting and 2 round feet.				
Note: Supplement the order number with „**.R**“ for attachment on the right and with “**.L**“ for attachment on the left.				

Storage Boards for Modular Tables

Straight boards, variable height
19 mm thick chipboard, laminate coated, edges all around with high impact resistant 2 mm ABS plastic profile; infinitely height adjustable including underbuilt aluminum profile with functional grooves.

Decor: front white

Alternative version: without under-mounted aluminum profile, for direct support on horizontal Expand Profile 2; both in ESD version (volume-conductive).

Tiltable storage boards, variable height
19 mm thick chipboard, laminate coated, edges all around with high impact resistant 2 mm ABS plastic profile; continuously height adjustable and inclinable; on front with recessed anti-slip edge, including underbuilt aluminum profile with functional grooves.

Decor: front white

Alternative version: ESD version

Type 1 – entire table width
The board encloses the rear foot profiles and extends to the outer edge of the table.

Type 2 – between rear foot profiles
The board is placed between the rear foot profiles. The board can be tilted 15° to the left and the right by simply loosening a screw. Optionally, a toggle clamp lever can be ordered for free adjustment.

Straight storage boards					
Lenghts	**Depths**	**with underbuilt profile**		**without underbuilt profile**	
		Standard	**ESD**	**Standard**	**ESD**
1.200 mm	360 mm	ELC3.1.1231	ELC3.1.1232	ELC3.2.1231	ELC3.2.1232
	500 mm	ELC3.1.1251	ELC3.1.1252	ELC3.2.1251	ELC3.2.1252
1.600 mm	360 mm	ELC3.1.1631	ELC3.1.1632	ELC3.2.1631	ELC3.2.1632
	500 mm	ELC3.1.1651	ELC3.1.1652	ELC3.2.1651	ELC3.2.1652
1.800 mm	360 mm	ELC3.1.1831	ELC3.1.1832	ELC3.2.1831	ELC3.2.1832
	500 mm	ELC3.1.1851	ELC3.1.1852	ELC3.2.1851	ELC3.2.1852
2.000 mm	360 mm	ELC3.1.2031	ELC3.1.2032	ELC3.2.2031	ELC3.2.2032
	500 mm	ELC3.1.2051	ELC3.1.2052	ELC3.2.2051	ELC3.2.2052

Inclinable storage boards		Type 1 – entire table width		Type 2 – between rear foot profiles	
Lenghts	**Depths**	**with aluminum profile underneath**		**with aluminum profile underneath**	
		Type 1 Standard	**Type 1 ESD**	**Type 2 Standard**	**Type 2 ESD**
1200 mm	360 mm	ELC3.3.1231	ELC3.3.1232	ELC3.4.1231	ELC3.4.1232
	500 mm	ELC3.3.1251	ELC3.3.1252	ELC3.4.1251	ELC3.4.1252
1600 mm	360 mm	ELC3.3.1631	ELC3.3.1632	ELC3.4.1631	ELC3.4.1632
	500 mm	ELC3.3.1651	ELC3.3.1652	ELC3.4.1651	ELC3.4.1652
1800 mm	360 mm	ELC3.3.1831	ELC3.3.1832	ELC3.4.1831	ELC3.4.1832
	500 mm	ELC3.3.1851	ELC3.3.1852	ELC3.4.1851	ELC3.4.1852
2000 mm	360 mm	ELC3.3.2031	ELC3.3.2032	ELC3.4.2031	ELC3.4.2032
	500 mm	ELC3.3.2051	ELC3.3.2052	ELC3.4.2051	ELC3.4.2052
Toggle clamp lever (optional) **Order No.** ELC3.3.KKH					

Storage Boards for Angle Combinations

Corner storage board
The boards are continuously adjustable in height and are supplied with an aluminum profile with functional grooves underneath. The board is made of 20 mm thick laminated chipboard. The edges are covered all around with highly impact resistant 2 mm ABS plastic profile.

Decor: front white

Alternative design: Without underbuilt aluminum profile for direct support on horizontal Expand Profile 2; in each case in volume-conductive ESD design.

The illustration shows at the top left the linkage form 1 and top right the linkage form 2.

Corner storage board – Linkage form 1

Table size W x D mm	Board Depths	Fixed with Alu profile below		Fixed without Alu profile below		Inclinable with Alu profile	
		Standard fix	ESD fix	Standard fix	ESD fix	Standard tilting	ESD tilting
850 x 850	360 mm	ELC3.5.8831.1	ELC3.5.8831.2	ELC3.5.8831.3	ELC3.5.8831.4	ELC3.5.8831.5	ELC3.5.8831.6
	500 mm	ELC3.5.8851.1	ELC3.5.8851.2	ELC3.5.8851.3	ELC3.5.8851.4	ELC3.5.8851.5	ELC3.5.8851.6
850 x 1000	360 mm	ELC3.5.8131.1	ELC3.5.8131.2	ELC3.5.8131.3	ELC3.5.8131.4	ELC3.5.8131.5	ELC3.5.8131.6
	500 mm	ELC3.5.8151.1	ELC3.5.8151.2	ELC3.5.8151.3	ELC3.5.8151.4	ELC3.5.8151.5	ELC3.5.8151.6
1000 x 850	360 mm	ELC3.5.1831.1	ELC3.5.1831.2	ELC3.5.1831.3	ELC3.5.1831.4	ELC3.5.1831.5	ELC3.5.1831.6
	500 mm	ELC3.5.1851.1	ELC3.5.1851.2	ELC3.5.1851.3	ELC3.5.1851.4	ELC3.5.1851.5	ELC3.5.1851.6
1000 x 1000	360 mm	ELC3.5.1131.1	ELC3.5.1131.2	ELC3.5.1131.3	ELC3.5.1131.4	ELC3.5.1131.5	ELC3.5.1131.6
	500 mm	ELC3.5.1151.1	ELC3.5.1151.2	ELC3.5.1151.3	ELC3.5.1151.4	ELC3.5.1151.5	ELC3.5.1151.6
1050 x 1200	360 mm	ELC3.5.1231.1	ELC3.5.1231.2	ELC3.5.1231.3	ELC3.5.1231.4	ELC3.5.1231.5	ELC3.5.1231.6
	500 mm	ELC3.5.1251.1	ELC3.5.1251.2	ELC3.5.1251.3	ELC3.5.1251.4	ELC3.5.1251.5	ELC3.5.1251.6
1200 x 1050	360 mm	ELC3.5.2131.1	ELC3.5.2131.2	ELC3.5.2131.3	ELC3.5.2131.4	ELC3.5.2131.5	ELC3.5.2131.6
	500 mm	ELC3.5.2151.1	ELC3.5.2151.2	ELC3.5.2151.3	ELC3.5.2151.4	ELC3.5.2151.5	ELC3.5.2151.6
1200 x 1200	360 mm	ELC3.5.2231.1	ELC3.5.2231.2	ELC3.5.2231.3	ELC3.5.2231.4	ELC3.5.2231.5	ELC3.5.2231.6
	500 mm	ELC3.5.2251.1	ELC3.5.2251.2	ELC3.5.2251.3	ELC3.5.2251.4	ELC3.5.2251.5	ELC3.5.2251.6
1200 x 1350	360 mm	ELC3.5.2331.1	ELC3.5.2331.2	ELC3.5.2331.3	ELC3.5.2331.4	ELC3.5.2331.5	ELC3.5.2331.6
	500 mm	ELC3.5.2351.1	ELC3.5.2351.2	ELC3.5.2351.3	ELC3.5.2351.4	ELC3.5.2351.5	ELC3.5.2351.6
1350 x 1200	360 mm	ELC3.5.3231.1	ELC3.5.3231.2	ELC3.5.3231.3	ELC3.5.3231.4	ELC3.5.3231.5	ELC3.5.3231.6
	500 mm	ELC3.5.3251.1	ELC3.5.3251.2	ELC3.5.3251.3	ELC3.5.3251.4	ELC3.5.3251.5	ELC3.5.3251.6
1400 x 1400	360 mm	ELC3.5.4431.1	ELC3.5.4431.2	ELC3.5.4431.3	ELC3.5.4431.4	ELC3.5.4431.5	ELC3.5.4431.6
	500 mm	ELC3.5.4451.1	ELC3.5.4451.2	ELC3.5.4451.3	ELC3.5.4451.4	ELC3.5.4451.5	ELC3.5.4451.6

Corner storage board – Linkage form 2

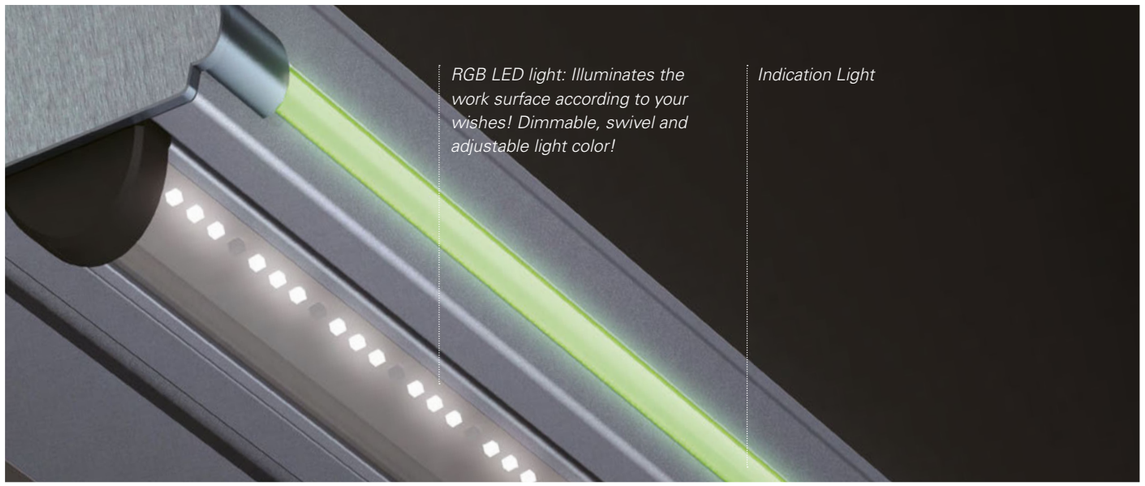
Table size W x D mm	Board Depths	Fixed with Alu profile below		Fixed without Alu profile below		Inclinable with Alu profile	
		Standard fix	ESD fix	Standard fix	ESD fix	Standard tilting	ESD tilting
850 x 850	360 mm	ELC3.6.8831.1	ELC3.6.8831.2	ELC3.6.8831.3	ELC3.6.8831.4	ELC3.6.8831.5	ELC3.6.8831.6
	500 mm	ELC3.6.8851.1	ELC3.6.8851.2	ELC3.6.8851.3	ELC3.6.8851.4	ELC3.6.8851.5	ELC3.6.8851.6
850 x 1000	360 mm	ELC3.6.8131.1	ELC3.6.8131.2	ELC3.6.8131.3	ELC3.6.8131.4	ELC3.6.8131.5	ELC3.6.8131.6
	500 mm	ELC3.6.8151.1	ELC3.6.8151.2	ELC3.6.8151.3	ELC3.6.8151.4	ELC3.6.8151.5	ELC3.6.8151.6
1000 x 850	360 mm	ELC3.6.1831.1	ELC3.6.1831.2	ELC3.6.1831.3	ELC3.6.1831.4	ELC3.6.1831.5	ELC3.6.1831.6
	500 mm	ELC3.6.1851.1	ELC3.6.1851.2	ELC3.6.1851.3	ELC3.6.1851.4	ELC3.6.1851.5	ELC3.6.1851.6
1000 x 1000	360 mm	ELC3.6.1131.1	ELC3.6.1131.2	ELC3.6.1131.3	ELC3.6.1131.4	ELC3.6.1131.5	ELC3.6.1131.6
	500 mm	ELC3.6.1151.1	ELC3.6.1151.2	ELC3.6.1151.3	ELC3.6.1151.4	ELC3.6.1151.5	ELC3.6.1151.6
1050 x 1200	360 mm	ELC3.6.1231.1	ELC3.6.1231.2	ELC3.6.1231.3	ELC3.6.1231.4	ELC3.6.1231.5	ELC3.6.1231.6
	500 mm	ELC3.6.1251.1	ELC3.6.1251.2	ELC3.6.1251.3	ELC3.6.1251.4	ELC3.6.1251.5	ELC3.6.1251.6
1200 x 1050	360 mm	ELC3.6.2131.1	ELC3.6.2131.2	ELC3.6.2131.3	ELC3.6.2131.4	ELC3.6.2131.5	ELC3.6.2131.6
	500 mm	ELC3.6.2151.1	ELC3.6.2151.2	ELC3.6.2151.3	ELC3.6.2151.4	ELC3.6.2151.5	ELC3.6.2151.6
1200 x 1200	360 mm	ELC3.6.2231.1	ELC3.6.2231.2	ELC3.6.2231.3	ELC3.6.2231.4	ELC3.6.2231.5	ELC3.6.2231.6
	500 mm	ELC3.6.2251.1	ELC3.6.2251.2	ELC3.6.2251.3	ELC3.6.2251.4	ELC3.6.2251.5	ELC3.6.2251.6
1200 x 1350	360 mm	ELC3.6.2331.1	ELC3.6.2331.2	ELC3.6.2331.3	ELC3.6.2331.4	ELC3.6.2331.5	ELC3.6.2331.6
	500 mm	ELC3.6.2351.1	ELC3.6.2351.2	ELC3.6.2351.3	ELC3.6.2351.4	ELC3.6.2351.5	ELC3.6.2351.6
1350 x 1200	360 mm	ELC3.6.3231.1	ELC3.6.3231.2	ELC3.6.3231.3	ELC3.6.3231.4	ELC3.6.3231.5	ELC3.6.3231.6
	500 mm	ELC3.6.3251.1	ELC3.6.3251.2	ELC3.6.3251.3	ELC3.6.3251.4	ELC3.6.3251.5	ELC3.6.3251.6
1400 x 1400	360 mm	ELC3.6.4431.1	ELC3.6.4431.2	ELC3.6.4431.3	ELC3.6.4431.4	ELC3.6.4431.5	ELC3.6.4431.6
	500 mm	ELC3.6.4451.1	ELC3.6.4451.2	ELC3.6.4451.3	ELC3.6.4451.4	ELC3.6.4451.5	ELC3.6.4451.6

Function Profiles for Storage Boards

Top aluminum functional profile
The Top aluminum profile at the front provides intelligent impact protection at the shelf level and enables intelligent connections of many system components thanks to functional grooves on the top and bottom. The profile already has a front-side stopper edge as standard, which is particularly advantageous for tiltable storage boards and at the same time forms a defined stop.

The functional profiles for storage boards
The front edge of the storage board can be additionally equipped with two innovative aluminum profiles Top and Toplight.

Top aluminum functional profile, front side	
Board length	**Order no.**
1.200 mm	ELC2.3.1200
1.600 mm	ELC2.3.1600
1.800 mm	ELC2.3.1800
2.000 mm	ELC2.3.2000



Toplight aluminum functional profile
Like the Top profile, the Toplight profile has one functional groove each on the top and bottom side, as well as a stopper edge. As an option, the profile can accommodate the new swiveling and dimmable RGB LED light as well as the Indication Light at the front (see following pages). On the underside, the profile has a receptacle for the newly developed LED light family.

Basic version: without light

Option 1: LED light with white LEDs; swivels and can be dimmed by means of a contactless sensor.

Option 2: with additional RGB LEDs; light color additionally tunable by means of second contactless sensor.

Option 3: with Indication Light; the Indication Light is located on the front side of the aluminum profile and has its own intelligence. It always shows the current status of the laboratory table and thus decisively improves safety at the workplace.

Toplight aluminum functional profile, front side	
Board length	**Order no.**
1.200 mm	ELC2.4.1200
1.600 mm	ELC2.4.1600
1.800 mm	ELC2.4.1800
2.000 mm	ELC2.4.2000

Note: Order numbers for the LED lights and the Indication Light can be found on the following pages.

LED Workplace Lights

Sensor-controlled LED workplace luminaire.
The innovative *elneos connect* workplace luminaires have been developed in such a way that they do not take up any additional space at the workplace while guaranteeing maximum benefit and comfort. Intelligent sensors take over the complete control of the lighting technology. The luminaires can be switched and dimmed without contact - even the light color and the lighting climate are adjusted without contact using the latest sensor technology.

A slight approach of the hand to the corresponding sensor causes the luminaire to adjust its color spectrum according to an intelligent algorithm. Once the desired lighting climate is achieved, the hand can be removed from the sensor and the luminaire retains the set color. The last set light climate is stored (memory effect). The new luminaires are based on modern LED technology. The in-house development of the luminaire family enabled new concepts and the in-house production of the luminaires in the Freudenstadt plant guarantees consistently high quality and best service.

The luminaires are invisibly installed in the Toplight aluminum functional profile (see previous page), have an integrated glare shield and can be pivoted. No additional space is required below the shelf or equipment cockpit.

Special Features

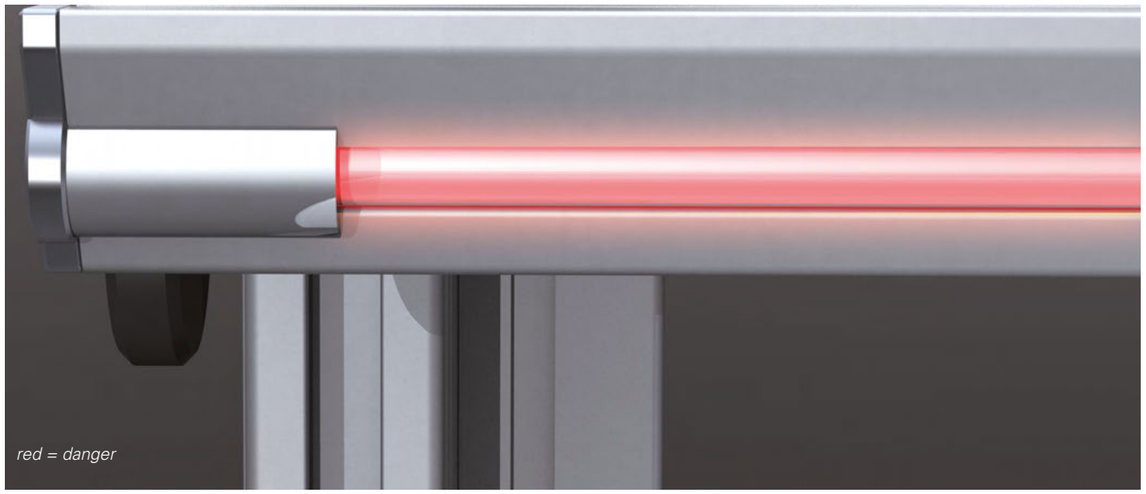
- Invisible LED workstation light, built into the Toplight aluminum functional profile.
- No loss of space under board or cockpit
- Swiveling luminaire for best light control
- Integrated glare protection
- With white LEDs or with additional RGB LEDs (mixed configuration in each case with high-power LEDs)
- Contactless sensor for switching & dimming
- Contactless sensor for the control of the lighting climate. An algorithm allows setting the desired light color.
- Uniform, high-contrast and reflection-free illumination of the work surface without shadows due to premium LEDs, color-fast.
- Interface for external control via I2C bus interface. This allows the luminaire to be can also be remote controlled via the new *elneos six* remote control.
- Different length variants, adapted to the respective table length.
- Retrofitting to the aluminum functional profile Toplight possible at any time.
- Solo use of the luminaire unit also without the Toplight aluminum functional profile, as the luminaire unit consists of a compact aluminum profile.

Sensor controlled LED task light with premium white high power LEDs			
Table length	**Integrated in Toplight function profile**	**Without Toplight functional profile**	• High-power LEDs for high light output • Sensor switchable and dimmable • Pivotable • Integrated glare protection • I2C bus interface
1.200 mm	ELC2.5.1200.WA	ELC2.6.1200.W	
1.600 mm	ELC2.5.1600.WA	ELC2.6.1600.W	
1.800 mm	ELC2.5.1800.WA	ELC2.6.1800.W	
2.000 mm	ELC2.5.2000.WA	ELC2.6.2000.W	

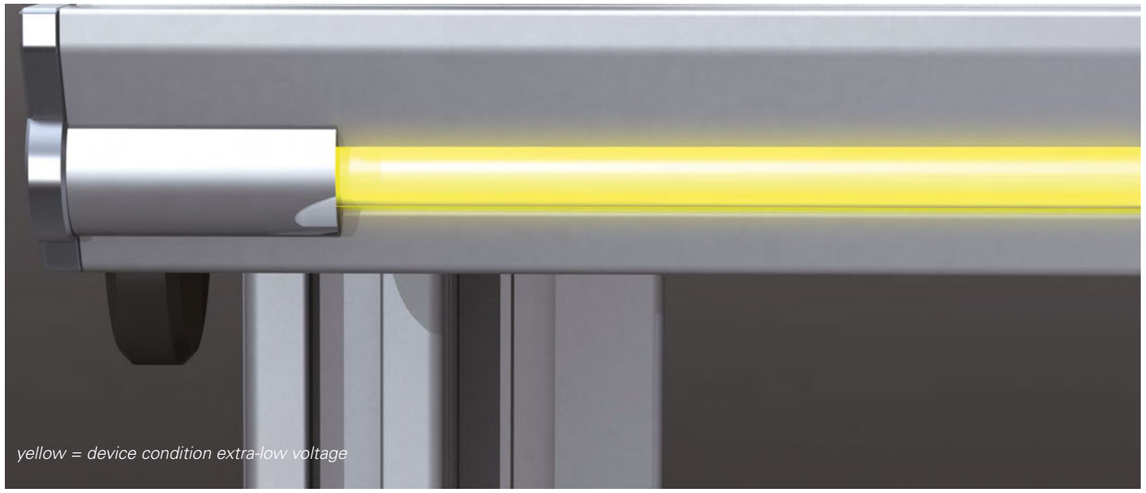
Sensor controlled RGB LED task light with white and RGB premium high power LEDs			
Table length	**Integrated in Toplight function profile**	**Without Toplight functional profile**	• High-power LEDs for high light output • Sensor switchable, dimmable and swiveling • Integrated glare protection • Additional sensor for light color control • I2C bus interface
1.200 mm	ELC2.7.1200.FA	ELC2.8.1200.F	
1.600 mm	ELC2.7.1600.FA	ELC2.8.1600.F	
1.800 mm	ELC2.7.1800.FA	ELC2.8.1800.F	
2.000 mm	ELC2.7.2000.FA	ELC2.8.2000.F	

RGB LED Indication Light

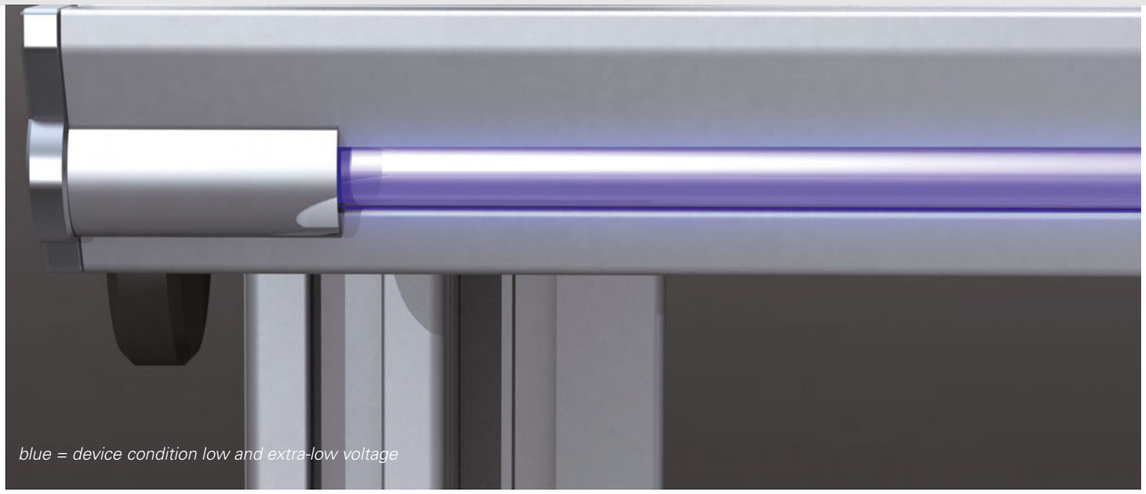
green = normal condition



red = danger



yellow = device condition extra-low voltage



blue = device condition low and extra-low voltage

Intelligent indication lighting
Indication lighting provides increased safety at the workplace. An intelligent RGB light band along the entire length of the table informs the user and others about the current status of the laboratory workstation. The light band is operated with high-power RGB LEDs and has the property of distribute the amount of light uniformly brightly along the front.

The light band is integrated into the Toplight aluminum functional profile and indicates to the front, even in the case of high ambient brightness, the current state of the laboratory workstation. the current state of the table, even in high ambient brightness. The Indication Light has a self-sufficient power supply and its own control electronics. As a result, this important safety function operates independently and error-free at all times. The Indication Light is a decisive contribution to increasing safety at the workplace.

Indication colors
Normal condition: Laboratory bench is switched on and operates normally.

Danger: e.g. limit values exceeded (voltage or current limits of multimeters, generators, etc.).

Device conditions: Devices with extra-low voltage are enabled.

Device conditions: Devices with extra-low voltage and low voltage are enabled.

Other indexed conditions
- Pulsing/flashing in color coding (Safe-Guard)
- EMERGENCY STOP – When actuated, the indicator pulses in red and identification of the person identification of the possibly endangered person is possible immediately.
- The control can, but does not have to be realized by the device series *elneos six*.
- Switching states can also be switched directly and the Indication Light can be used as an be used as an Ambilight without device technology.

RBG LED Indication Light		
Table length	**Integrated in Toplight aluminum functional profile**	• Integrated in Toplight aluminum functional profile • High-power RGB LEDs for high light output • Radiating indicator over entire table width • Ensures maximum safety at the workplace
1.200 mm	ELC2.9.1200.I	
1.600 mm	ELC2.9.1600.I	
1.800 mm	ELC2.9.1800.I	
2.000 mm	ELC2.9.2000.I	

Superstructures for Modular Tables

19-inch table superstructures 3 U and 6 U.
Suitable for all standardized 19-inch equipment systems; incl. front-side aluminum functional profile on top. The aluminum profile has an optional semicircular storage channel on the top, which can be ideally used for small parts and tools.

Alternative versions
Volume-conductive ESD version, device front 3 U and 6 U inclined by 10°.

19-inch table tops 3 U and 6 U					
Lenghts/PC*	**Depths**	**Construction Height 3 U** (total 172 mm)		**Construction Height 6 U** (total 305 mm)	
		Standard	**ESD**	**Standard**	**ESD**
1.200 mm / 235 HP	270 mm	ELC4.3.1221	ELC4.3.1222	ELC4.4.1221	ELC4.4.1222
	360 mm	ELC4.3.1231	ELC4.3.1232	ELC4.4.1231	ELC4.4.1232
	500 mm	ELC4.3.1251	ELC4.3.1252	ELC4.4.1251	ELC4.4.1252
1.600 mm / 313 HP	270 mm	ELC4.3.1621	ELC4.3.1622	ELC4.4.1621	ELC4.4.1622
	360 mm	ELC4.3.1631	ELC4.3.1632	ELC4.4.1631	ELC4.4.1632
	500 mm	ELC4.3.1651	ELC4.3.1652	ELC4.4.1651	ELC4.4.1652
1.800 mm / 352 HP	270 mm	ELC4.3.1821	ELC4.3.1822	ELC4.4.1821	ELC4.4.1822
	360 mm	ELC4.3.1831	ELC4.3.1832	ELC4.4.1831	ELC4.4.1832
	500 mm	ELC4.3.1851	ELC4.3.1852	ELC4.4.1851	ELC4.4.1852
2.000 mm / 391 HP	270 mm	ELC4.3.2021	ELC4.3.2022	ELC4.4.2021	ELC4.4.2022
	360 mm	ELC4.3.2031	ELC4.3.2032	ELC4.4.2031	ELC4.4.2032
	500 mm	ELC4.3.2051	ELC4.3.2052	ELC4.4.2051	ELC4.4.2052
Order no. for unit front inclined 10° ELC4.5.0001 (independent of size)					

* Abbreviations PC: Placement Capacity in HP (Horizontal Pitch) 1 HP = 5.08 mm; U: Height Unit;

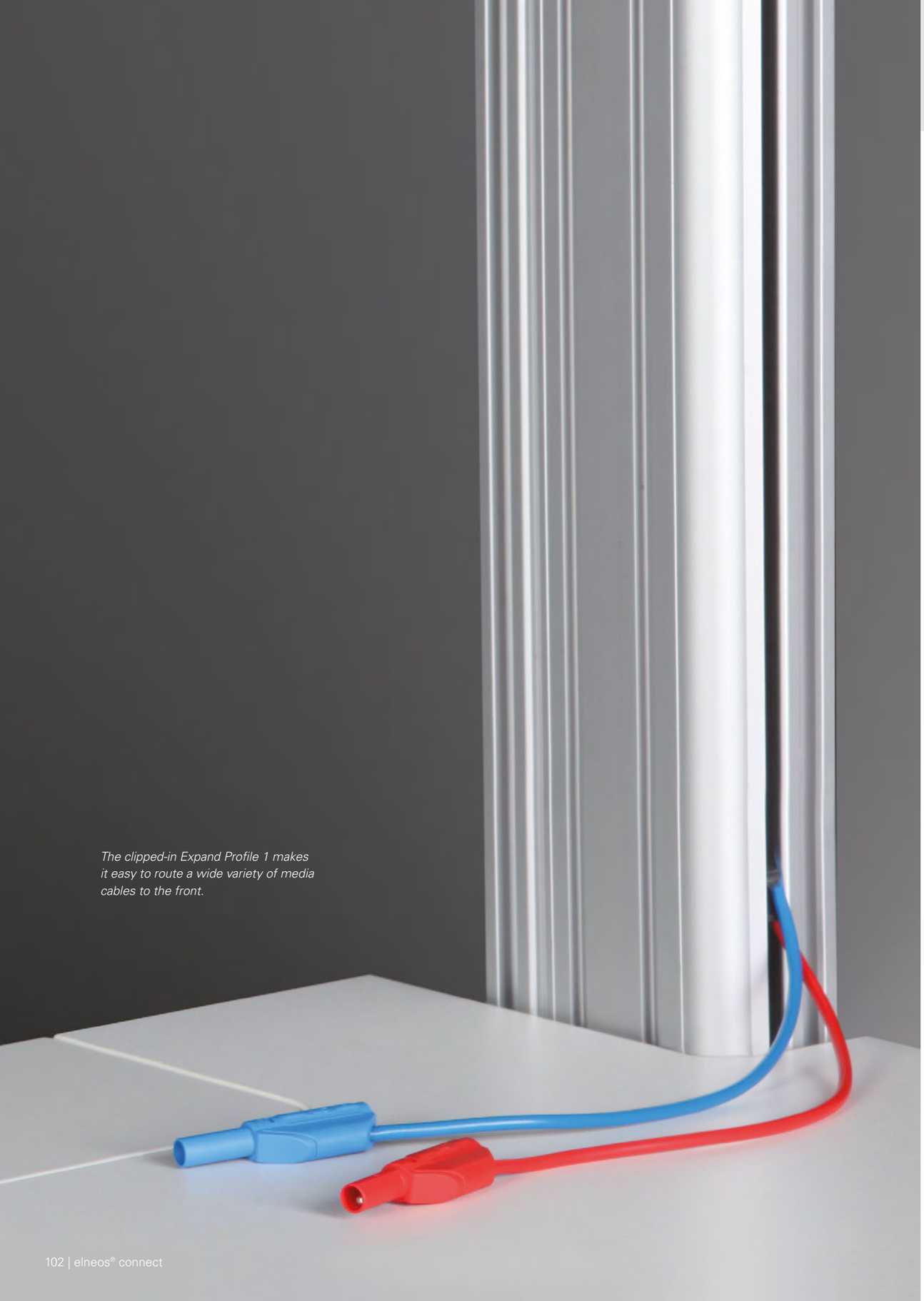
Cockpits for Modular Tables

19-inch cockpits 3 U and 6 U
Suitable for all standardized 19-inch equipment systems; infinitely height-adjustable, incl. front-side aluminum functional profiles Top and Toplight for accommodating RGB LED lights and indication lighting.

Alternative versions
Volume-conducting ESD version, without aluminum profile for direct support on horizontal Expand Profile 2; device front 3 U inclined by 10° inclined and infinitely variable.

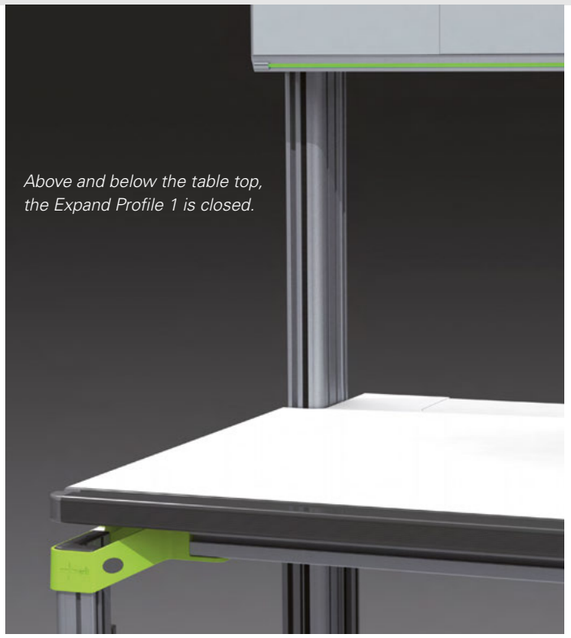
19-inch cockpits 3 and 6 U					
Lenghts/PC*	**Depths**	**Construction Height 3 U** (total 172 mm)		**Construction Height 6 U** (total 305 mm)	
		Standard	**ESD**	**Standard**	**ESD**
1.200 mm / 235 HP	270 mm	ELC4.1.1221	ELC4.1.1222	ELC4.2.1221	ELC4.2.1222
	360 mm	ELC4.1.1231	ELC4.1.1232	ELC4.2.1231	ELC4.2.1232
	500 mm	ELC4.1.1251	ELC4.1.1252	ELC4.2.1251	ELC4.2.1252
1.600 mm / 313 HP	270 mm	ELC4.1.1621	ELC4.1.1622	ELC4.2.1621	ELC4.2.1622
	360 mm	ELC4.1.1631	ELC4.1.1632	ELC4.2.1631	ELC4.2.1632
	500 mm	ELC4.1.1651	ELC4.1.1652	ELC4.2.1651	ELC4.2.1652
1.800 mm / 352 HP	270 mm	ELC4.1.1821	ELC4.1.1822	ELC4.2.1821	ELC4.2.1822
	360 mm	ELC4.1.1831	ELC4.1.1832	ELC4.2.1831	ELC4.2.1832
	500 mm	ELC4.1.1851	ELC4.1.1852	ELC4.2.1851	ELC4.2.1852
2.000 mm / 391 HP	270 mm	ELC4.1.2021	ELC4.1.2022	ELC4.2.2021	ELC4.2.2022
	360 mm	ELC4.1.2031	ELC4.1.2032	ELC4.2.2031	ELC4.2.2032
	500 mm	ELC4.1.2051	ELC4.1.2052	ELC4.2.2051	ELC4.2.2052
Order no. for unit front inclined 10°: ELC4.3.0001 (independent of size) **Order no. for continuously inclinable device cockpit:** ELC4.3.0002 (independent of size)					

* Abbreviations PC: Placement Capacity in HP (Horizontal Pitch) 1 HP = 5.08 mm; U: Height Unit;

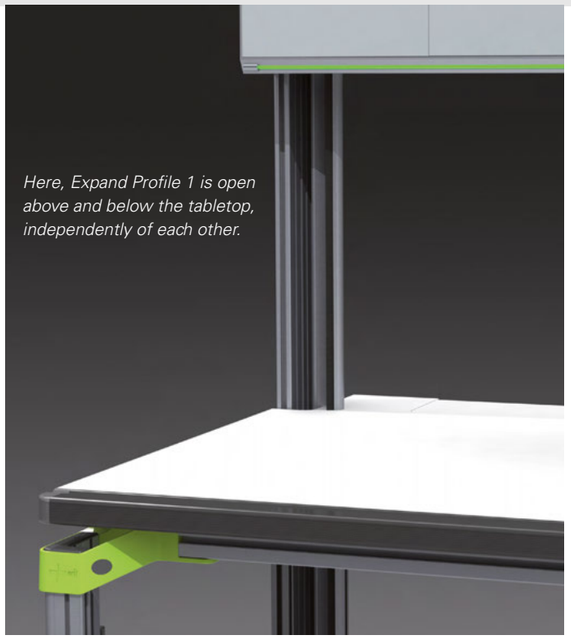


The clipped-in Expand Profile 1 makes it easy to route a wide variety of media cables to the front.

Expand Profile 1



Above and below the table top, the Expand Profile 1 is closed.



Here, Expand Profile 1 is open above and below the tabletop, independently of each other.

The Expand Profile 1 – A clip-on profile
The profile can be elegantly clipped onto the inside of the L-profile. It has two cable chambers and a front brush strip, through which the cables of the front cable chamber can be ideally routed to the front of the user over the entire front height. An internal partition guarantees separation from other media in the cable chamber behind. The entire profile can be elegantly twisted open, allowing excellent access to all media – clip, twist, done!

A specially developed opening mechanism ensures perfect ergonomics. For example, measurement cables can be routed in the front chamber. The rear chamber can accommodate power cables.

This ensures ideal separation of the media in terms of electromagnetic compatibility throughout. The trunking can be mounted on the L-profile at any time. With the L-profile, the Expand Profile 1 creates convertibility while at the same time providing optimum economy. In addition, Expand Profile 1 has two stable grooves on the long side for mounting a wide variety of system components.

The profile is designed to run from the floor through the connector on the inside of the table. This is the ideal way to reach every functional level. In training facilities, the channel can be locked to prevent unauthorized opening.

Split Expand Profile 1
The Expand Profile 1 is already sensibly divided at the factory so that, for example, the area above the tabletop can be opened independently of the area below the tabletop. Expand Profile 1 offers maximum functionality with optimum handling at the same time.

Expand Profile 1		
Length of rear table leg incl. foot plate	**Order no.**	**Note**
702 mm	ELC2.5.0702.x	Front table leg
780 mm	ELC2.5.0780.x	Rear table leg
1.200 mm	ELC2.5.1200.x	Rear table leg
1.400 mm	ELC2.5.1400.x	Rear table leg
1.500 mm	ELC2.5.1500.x	Rear table leg
1.800 mm	ELC2.5.1800.x	Rear table leg
2.000 mm	ELC2.5.2000.x	Rear table leg
2.200 mm	ELC2.5.2200.x	Rear table leg
Ordering information: Please replace the „x" by L = left or R = right.		

Expand Profile 2

The Expand Profile 2 can be installed vertically as well as horizontally. This results in three different installation situations:

1. Vertically only, it is mounted on the inside of the L-profile at the rear. It can also be used only on one side.
2. Horizontally only, it can be mounted underneath storage boards or cockpits, on its own or as a table top assembly.
3. Installed vertically and horizontally it forms the *erfi-Bridge*. The example of the **erfi-Bridge** shown here is equipped with the three sides with the *acto* insert panel system.

The profile size and design were chosen so that 3-phase elements can be integrated quickly. Due to its design, the profile can be used vertically as well as horizontally, serving as a static support profile for storage boards and equipment cockpits. Thus a bridge is formed, which has a very high placement capacity with its horizontal and vertical structure.

The erfi-Bridge allows free cabling from the vertical to the horizontal. The potentially high placement capacity also ensures the necessary the necessary space reserve for future expansion stages.

Exemplary assembly of the pictured erfi-Bridge left

1 x variable compressed air with manometer and 3 quick couplings,
1 x ring cable field with 4 mm laboratory sockets and BNC sockets;

Exemplary assembly of the shown erfi-Bridge horizontal

2 x 4 protective contact sockets left and right,
1 x rotary low voltage with 3 x 17,5 V,
1 x isolating transformer 230 V /100 VA,
2 x foreign sockets (Switzerland and USA),
4-fold RJ 45 switch, 4-fold RS 232 interface as well as 1 x ring line field;

Exemplary assembly of the shown erfi-Bridge right

1 x safety and switching unit 3-phase with motor protection switch, all-current sensitive NFI switch, key switch, emergency stop button, 3-phase control indicator as well as 1 x safety socket;

Note: Insert plate program *acto* on pages 118-135.

Exemplary assembly
Storage board table with continuous Expand Profile 2
Equipment: 3-phase safety and switching unit with large fuse elements, ungrounded socket with isolating transformers, non-grounded sockets and interface panels, three storage boards with RGB LED lights incl. Indication Light, aluminum front edges on the storage boards and table top with Tech Edge alu-line.

Vertical Expand Profile 2

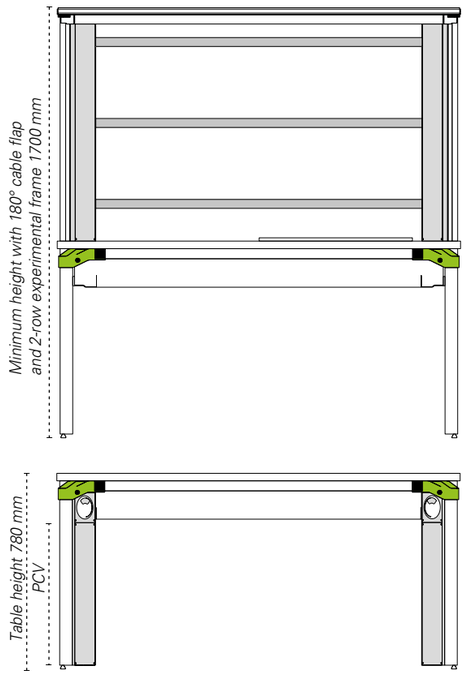
Verticale Expand Profile 2

Verticale Expand Profile 2 as part of the erfi-Bridge

The vertical Expand Profile 2
This profile is applied to the inside of the L-profile and is used to accommodate devices such as energy analyzers, complete 3-phase safety and switching units with low-profile 3-phase switching elements, and many more. The profile enables the *acto* device program to be accommodated, thus opening up additional areas of application. The profile is used from the table top level upwards and can be extended below the table top to the floor.

Alternatively, it can be combined with Expand Profile 1 below the table top. Expand Profile 2 has a groove technology that accommodates two cable chambers on the inside for optimum shielding. On the outside, the grooves are arranged so that additional swivel arms can be attached to the outer sides of the table without colliding with other tables.

The front of the unit is ergonomically inclined at a 45° angle in both the vertical and horizontal directions.



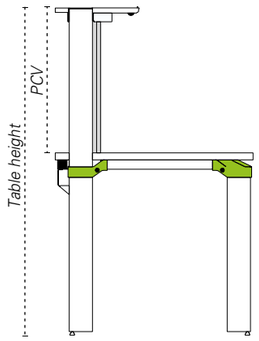
Note when using experiment frames
For tables with 180° cable flap and 2-row experiment frame, the minimum height is 1700 mm. If cockpits are to be built above this, a correspondingly higher table height must be calculated.

General ordering information
Please replace the „**x**" with the mounting position you desired mounting position by L = left, R = right or LR = left and right.

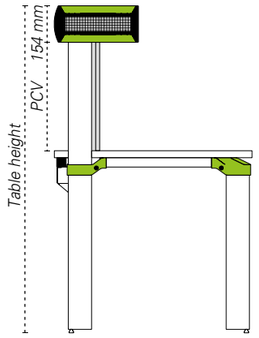
Vertical Expand Profile 2 – fitting between table top and base, including corner panel with cable entry box			
Table height total	**Length Expand Profile 2 between TT and floor**	**Corner panel incl. Cable entry box, remaining capacity**	**Order no.**
780 mm	735 mm	112 HP	ELC2.6.735.x

Abbreviations PCV: Placement capacity vertical; TT: Table Top; BE: Bottom Edge;

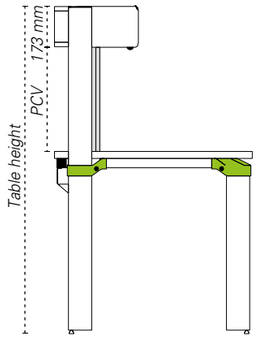
Vertical Expand Profile 2



Vertical Expand Profile 2 – Placement capacity between table top and upper edge of L-profile, storage boards variable			
Table height total	**Length of Expand Profile 2 between TT and BE shelf board**	**Placement capacity**	**Order no.**
1200 mm	417 mm	82 HP	ELC2.6.417.x
1300 mm	517 mm	101 HP	ELC2.6.517.x
1400 mm	617 mm	121 HP	ELC2.6.617.x
1500 mm	717 mm	141 HP	ELC2.6.717.x
1600 mm	817 mm	160 HP	ELC2.6.817.x
1700 mm	917 mm	180 HP	ELC2.6.917.x
1800 mm	1017 mm	200 HP	ELC2.6.1017.x
1900 mm	1117 mm	219 HP	ELC2.6.1117.x
2000 mm	1217 mm	239 HP	ELC2.6.1217.x
2100 mm	1317 mm	259 HP	ELC2.6.1317.x
2200 mm	1417 mm	278 HP	ELC2.6.1417.x



Vertical Expand Profile 2 – Placement capacity between table top and bottom edge 3 U aluminum cockpit			
Table height total	**Length Expand Profile 2 between TT and BE 3 U aluminum cockpit**	**Placement capacity**	**Order no.**
1400 mm	466 mm	91 HP	ELC2.6.466.x
1500 mm	566 mm	111 HP	ELC2.6.566.x
1600 mm	666 mm	131 HP	ELC2.6.666.x
1700 mm	766 mm	150 HP	ELC2.6.766.x
1800 mm	866 mm	170 HP	ELC2.6.866.x

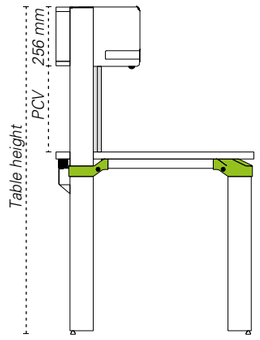


Vertical Expand Profile 2 – Placement capacity between table top and lower edge 3 U cockpit straight			
Table height total	**Length of Expand Profile 2 between TT and BE 3 U cockpit straight**	**Placement capacity**	**Order no.**
1400 mm	447 mm	87 HP	ELC2.6.447.x
1500 mm	547 mm	107 HP	ELC2.6.547.x
1600 mm	647 mm	127 HP	ELC2.6.647.x
1700 mm	747 mm	147 HP	ELC2.6.747.x
1800 mm	847 mm	166 HP	ELC2.6.847.x

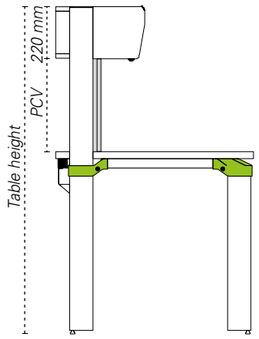
* Abbreviations HP: Horizontal Pitch, 1 HP = 5.08 mm; U: Height Unit;

General ordering information

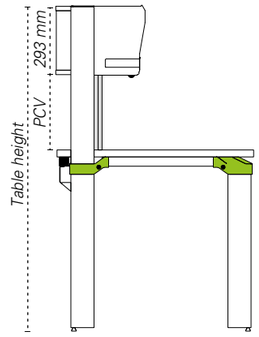
Please replace the „**x**" with the mounting position you desired mounting position by L = left, R = right or LR = left and right.



Vertical Expand Profile 2 – Placement capacity between table top and lower edge 3 HE cockpit straight with multifunctional pull-out			
Table height total	**Length of Expand Profile 2 between TT and BE 3 U cockpit straight with multifunctional pull-out**	**Placement capacity**	**Oder no.**
1400 mm	364 mm	71 HP	ELC2.6.364.x
1500 mm	464 mm	91 HP	ELC2.6.464.x
1600 mm	564 mm	111 HP	ELC2.6.564.x
1700 mm	664 mm	130 HP	ELC2.6.664.x
1800 mm	764 mm	150 HP	ELC2.6.764.x



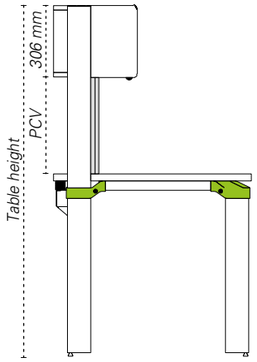
Vertical Expand Profile 2 – Placement capacity between table top and lower edge 3 U cockpit inclined			
Table height total	**Length of Expand Profile 2 between TT and BE 3 U cockpit inclined**	**Placement capacity**	**Order no.**
1400 mm	400 mm	78 HP	ELC2.6.400.x
1500 mm	500 mm	98 HP	ELC2.6.500.x
1600 mm	600 mm	118 HP	ELC2.6.600.x
1700 mm	700 mm	137 HP	ELC2.6.700.x
1800 mm	800 mm	157 HP	ELC2.6.800.x



Vertical Expand Profile 2 – Placement capacity between table top and lower edge 3 U cockpit inclined with multifunctional pullout			
Table height total	**Length Expand Profile 2 between TT and BE 3 U cockpit inclined with multifunctional pull-out**	**Placement capacity**	**Order no.**
1400 mm	327 mm	64 HP	ELC2.6.327.x
1500 mm	427 mm	84 HP	ELC2.6.427.x
1600 mm	527 mm	103 HP	ELC2.6.527.x
1700 mm	627 mm	123 HP	ELC2.6.627.x
1800 mm	727 mm	143 HP	ELC2.6.727.x

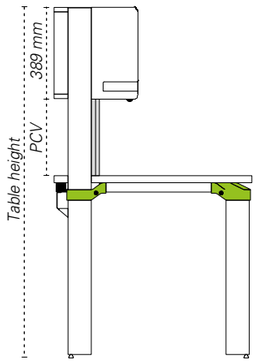
Abbreviations PCV: Placement capacity vertical; TT: Table Top; BE: Bottom Edge;

Vertical Expand Profile 2

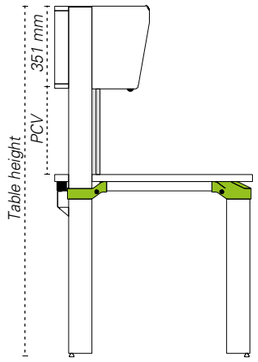


General ordering information
Please replace the „**x**“ with the mounting position you desired mounting position by L = left, R = right or LR = left and right.

Vertical Expand Profile 2 – Placement capacity between table top and lower edge 6 U cockpit straight			
Table height total	**Length of Expand Profile 2 between TT and BE 6 U cockpit straight**	**Placement capacity**	**Order no.**
1500 mm	414 mm	81 HP	ELC2.6.414.x
1600 mm	514 mm	101 HP	ELC2.6.514.x
1700 mm	614 mm	120 HP	ELC2.6.614.x
1800 mm	714 mm	140 HP	ELC2.6.714.x

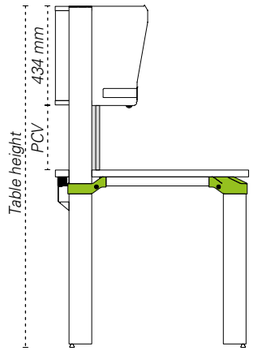


Vertical Expand Profile 2 – Placement capacity between table top and lower edge 6 U cockpit straight with multifunctional pull-out			
Table height total	**Length of Expand Profile 2 between TT and BE 6 U cockpit straight with multifunctional pull-out**	**Placement capacity**	**Order no.**
1500 mm	331 mm	65 HP	ELC2.6.331.x
1600 mm	431 mm	84 HP	ELC2.6.431.x
1700 mm	531 mm	104 HP	ELC2.6.531.x
1800 mm	631 mm	124 HP	ELC2.6.631.x

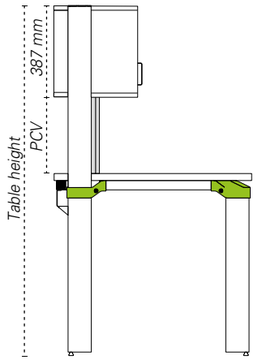


Vertical Expand Profile 2 – Placement capacity between table top and lower edge of 6 U cockpit inclined			
Table height total	**Length of Expand Profile 2 between TT and BE 6 U cockpit inclined**	**Placement capacity**	**Order no.**
1500 mm	369 mm	72 HP	ELC2.6.369.x
1600 mm	469 mm	92 HP	ELC2.6.469.x
1700 mm	569 mm	112 HP	ELC2.6.569.x
1800 mm	669 mm	131 HP	ELC2.6.669.x

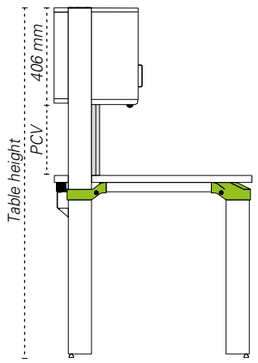
* Abbreviations HP: Horizontal Pitch, 1 HP = 5.08 mm; U: Height Unit;



Vertical Expand Profile 2 – Placement capacity between table top and lower edge 6 U cockpit inclined with multifunctional pullout			
Table height total	**Length of Expand Profile 2 between TT and BE 6 U cockpit inclined with multifunctional pull-out**	**Placement capacity**	**Order no.**
1500 mm	286 mm	56 HP	ELC2.6.286.x
1600 mm	386 mm	75 HP	ELC2.6.386.x
1700 mm	486 mm	95 HP	ELC2.6.486.x
1800 mm	586 mm	115 HP	ELC2.6.586.x



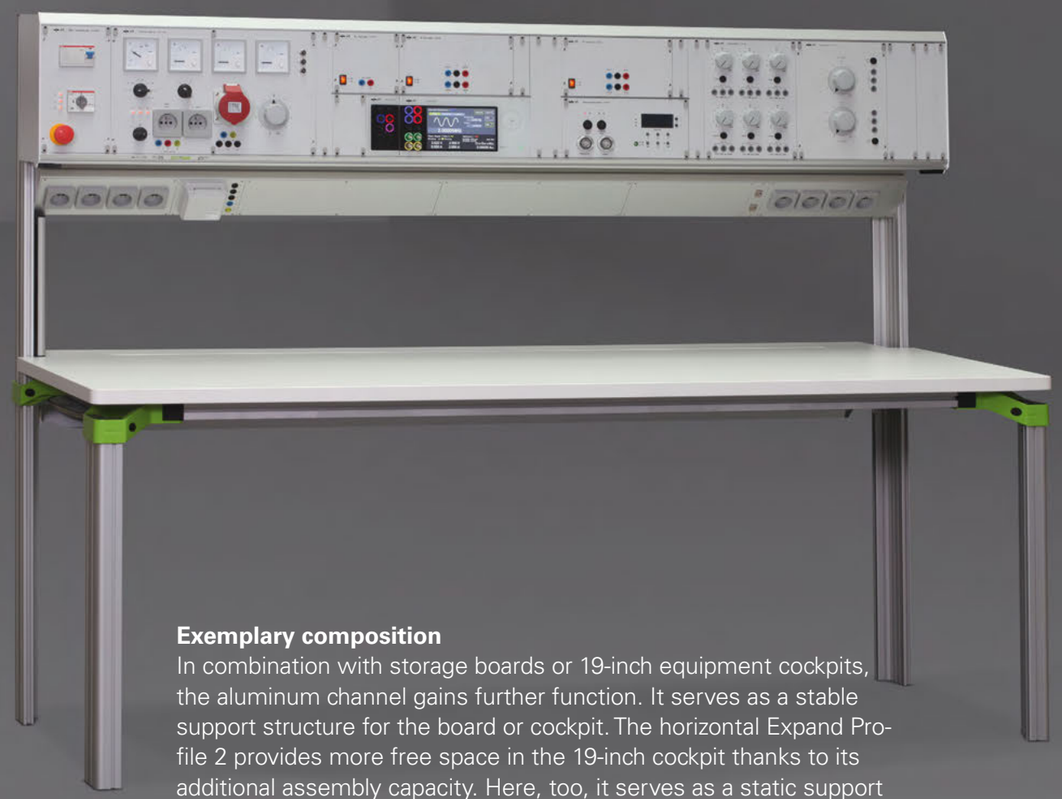
Vertical Expand Profile 2 – Placement capacity between table top and lower edge of DIN A4 cockpit without Toplight profile			
Table height total	**Length of Expand Profile 2 betw. TT & BE DIN A4 cockpit without Toplight**	**Placement capacity**	**Order no.**
1500 mm	333 mm	65 HP	ELC2.6.333.x
1600 mm	433 mm	85 HP	ELC2.6.433.x
1700 mm	533 mm	104 HP	ELC2.6.533.x
1800 mm	633 mm	124 HP	ELC2.6.633.x



Vertical Expand Profile 2 – Placement capacity between table top and lower edge DIN A4 cockpit with Toplight profile			
Table height total	**Length Expandprofile 2 between TT and BE DIN A4 cockpit with Toplight**	**Placement capacity**	**Order no.**
1500 mm	314 mm	61 HP	ELC2.6.314.x
1600 mm	414 mm	81 HP	ELC2.6.414.x
1700 mm	514 mm	101 HP	ELC2.6.514.x
1800 mm	614 mm	120 HP	ELC2.6.614.x

Abbreviations PCV: Placement capacity vertical; TT: Table Top; BE: Bottom Edge;

Horizontal Expand Profile 2



Exemplary composition
In combination with storage boards or 19-inch equipment cockpits, the aluminum channel gains further function. It serves as a stable support structure for the board or cockpit. The horizontal Expand Profile 2 provides more free space in the 19-inch cockpit thanks to its additional assembly capacity. Here, too, it serves as a static support element. Its grooves on the flattened top and bottom provide excellent connection options for additional system components such as soldering iron holders, perforated plates or trays.

Horizontal Expand Profile 2							
between L-profiles, below board or cockpit				across the entire width of the table, on the tabletop			
Widths	**Lengths**	**Placement capacity**	**Order no.**	**Widths**	**Total table width**	**Placement capacity**	**Order no.**
1.200 mm	1.126 mm	221 HP	ELC2.10.1126	1.200 mm	1.194 mm	234 HP	ELC2.10.1200
1.600 mm	1.526 mm	300 HP	ELC2.10.1526	1.600 mm	1.594 mm	313 HP	ELC2.10.1600
1.800 mm	1.726 mm	339 HP	ELC2.10.1726	1.800 mm	1.794 mm	352 HP	ELC2.10.1800
2.000 mm	1.926 mm	379 HP	ELC2.10.1926	2.000 mm	1.994 mm	391 HP	ELC2.10.2000

Workstation for training with horizontal Expand Profile 2 in table top design.

The horizontal Expand Profile 2
Since its first presentation on the market in 1986, this system component has been continuously developed and improved. This profile represents a central component for all communicative and technical work areas. The profile can be used horizontally below storage boards or cockpits, individually between the L-profiles or as a table structure. It is also suitable for mounting under the tabletop, e.g. for an additional power supply.

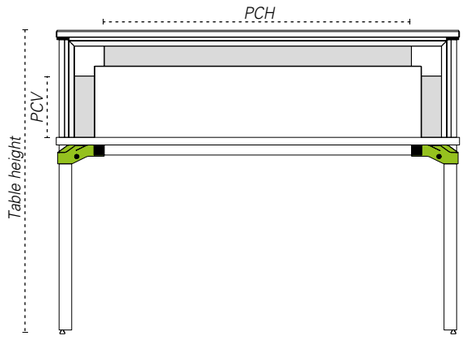
The aluminum channel can be equipped as desired with the high-performance 19-inch insert plate program *acto*. The system offers many options for mounting additional components thanks to the grooves on the top and bottom. If desired, separator plates for separating data and power lines can be positioned inside the duct. For the professional integration of connections of any kind, the aluminum channel has an intelligent groove technology inside.

Note: Connectors left page standard green (RAL DESIGN 1107070), right page with special equipment in blue.

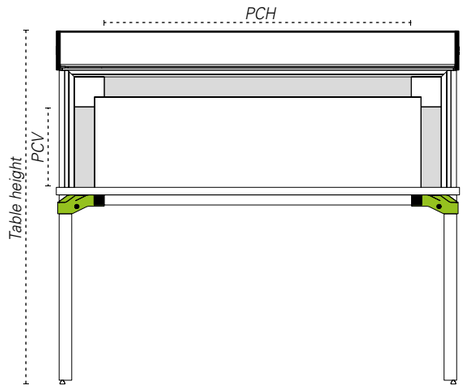
erfi-Bridge

Ordering information

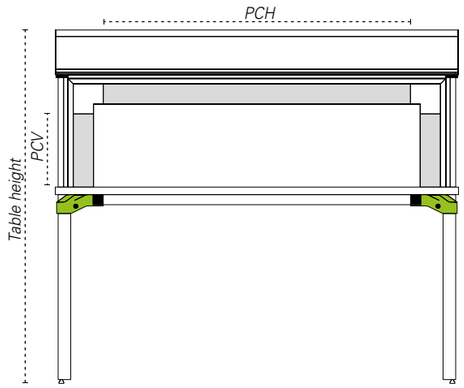
The erfi-Bridge consists of two vertical (left and right) and one horizontal Expand Profile 2.



Height			Placement capacity in connection with an overlying storage board			
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
			PCH 161 HP	PCH 240 HP	PCH 280 HP	PCH 319 HP
Table	Bridge	PCV				
mm	mm	HP	Order no.	Order no.	Order no.	Order no.
1200	401	48	ELC2.7.1212	ELC2.7.1612	ELC2.7.1812	ELC2.7.2012
1300	501	68	ELC2.7.1213	ELC2.7.1613	ELC2.7.1813	ELC2.7.2013
1400	601	87	ELC2.7.1214	ELC2.7.1614	ELC2.7.1814	ELC2.7.2014
1500	701	107	ELC2.7.1215	ELC2.7.1615	ELC2.7.1815	ELC2.7.2015
1600	801	127	ELC2.7.1216	ELC2.7.1616	ELC2.7.1816	ELC2.7.2016
1700	901	146	ELC2.7.1217	ELC2.7.1617	ELC2.7.1817	ELC2.7.2017
1800	1001	166	ELC2.7.1218	ELC2.7.1618	ELC2.7.1818	ELC2.7.2018

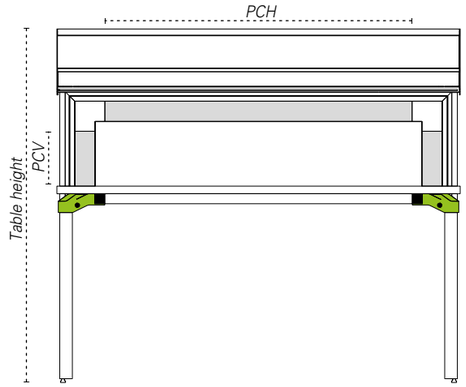


Height			Placement capacity in combination with a 3 U aluminum cockpit			
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
			PCH 161 HP	PCH 240 HP	PCH 280 HP	PCH 319 HP
Table	Bridge	PCV				
mm	mm	HP	Order no.	Order no.	Order no.	Order no.
1400	466	61	ELC2.80.1214	ELC2.80.1614	ELC2.80.1814	ELC2.80.2014
1500	566	80	ELC2.80.1215	ELC2.80.1615	ELC2.80.1815	ELC2.80.2015
1600	666	100	ELC2.80.1216	ELC2.80.1616	ELC2.80.1816	ELC2.80.2016
1700	766	120	ELC2.80.1217	ELC2.80.1617	ELC2.80.1817	ELC2.80.2017
1800	866	139	ELC2.80.1218	ELC2.80.1618	ELC2.80.1818	ELC2.80.2018

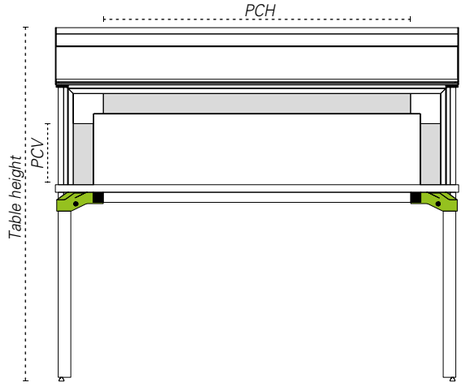


Height			Placement capacity in connection with a 3 U cockpit straight			
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
			PCH 161 HP	PCH 240 HP	PCH 280 HP	PCH 319 HP
Table	Bridge	PCV				
mm	mm	HP	Order no.	Order no.	Order no.	Order no.
1400	447	57	ELC2.8.1214	ELC2.8.1614	ELC2.8.1814	ELC2.8.2014
1500	547	77	ELC2.8.1215	ELC2.8.1615	ELC2.8.1815	ELC2.8.2015
1600	647	96	ELC2.8.1216	ELC2.8.1616	ELC2.8.1816	ELC2.8.2016
1700	747	116	ELC2.8.1217	ELC2.8.1617	ELC2.8.1817	ELC2.8.2017
1800	847	136	ELC2.8.1218	ELC2.8.1618	ELC2.8.1818	ELC2.8.2018

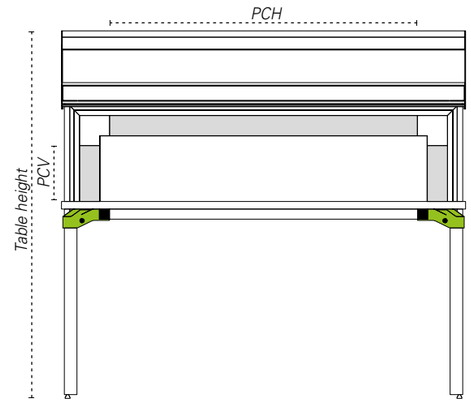
* Abbreviations HP: Horizontal Pitch, 1 HP = 5.08 mm; U: Height Unit;



Height			Placement capacity in conjunction with a 3 U cockpit straight with multifunctional pullout			
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
			PCH 161 HP	PCH 240 HP	PCH 280 HP	PCH 319 HP
Table	Bridge	PCV				
mm	mm	HP	Order no.	Order no.	Order no.	Order no.
1400	364	41	ELC2.81.1214	ELC2.81.1614	ELC2.81.1814	ELC2.81.2014
1500	464	60	ELC2.81.1215	ELC2.81.1615	ELC2.81.1815	ELC2.81.2015
1600	564	80	ELC2.81.1216	ELC2.81.1616	ELC2.81.1816	ELC2.81.2016
1700	664	100	ELC2.81.1217	ELC2.81.1617	ELC2.81.1817	ELC2.81.2017
1800	764	119	ELC2.81.1218	ELC2.81.1618	ELC2.81.1818	ELC2.81.2018



Height			Placement capacity in connection with a 3 U cockpit inclined			
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
			PCH 161 HP	PCH 240 HP	PCH 280 HP	PCH 319 HP
Table	Bridge	PCV				
mm	mm	HP	Order no.	Order no.	Order no.	Order no.
1400	400	48	ELC2.82.1214	ELC2.82.1614	ELC2.82.1814	ELC2.82.2014
1500	500	67	ELC2.82.1215	ELC2.82.1615	ELC2.82.1815	ELC2.82.2015
1600	600	87	ELC2.82.1216	ELC2.82.1616	ELC2.82.1816	ELC2.82.2016
1700	700	107	ELC2.82.1217	ELC2.82.1617	ELC2.82.1817	ELC2.82.2017
1800	800	126	ELC2.82.1218	ELC2.82.1618	ELC2.82.1818	ELC2.82.2018



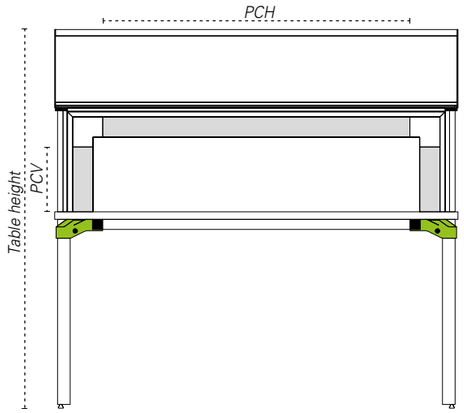
Height			Placement capacity in combination with a 3 U inclined cockpit with multifunctional pullout			
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
			PCH 161 HP	PCH 240 HP	PCH 280 HP	PCH 319 HP
Table	Bridge	PCV				
mm	mm	HP	Order no.	Order no.	Order no.	Order no.
1400	327	33	ELC2.83.1214	ELC2.83.1614	ELC2.83.1814	ELC2.83.2014
1500	427	53	ELC2.83.1215	ELC2.83.1615	ELC2.83.1815	ELC2.83.2015
1600	527	73	ELC2.83.1216	ELC2.83.1616	ELC2.83.1816	ELC2.83.2016
1700	627	92	ELC2.83.1217	ELC2.83.1617	ELC2.83.1817	ELC2.83.2017
1800	727	112	ELC2.83.1218	ELC2.83.1618	ELC2.83.1818	ELC2.83.2018

Abbreviations PCH: Placement capacity horizontal; PCV: Placement capacity vertical;

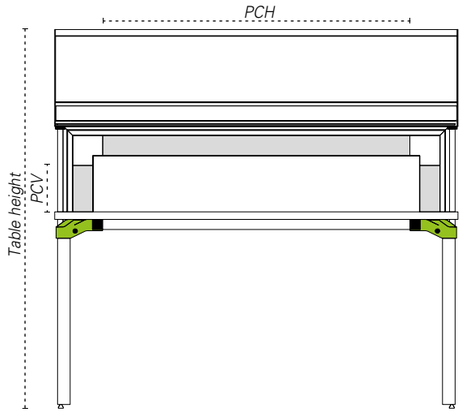
erfi-Bridge

Ordering information

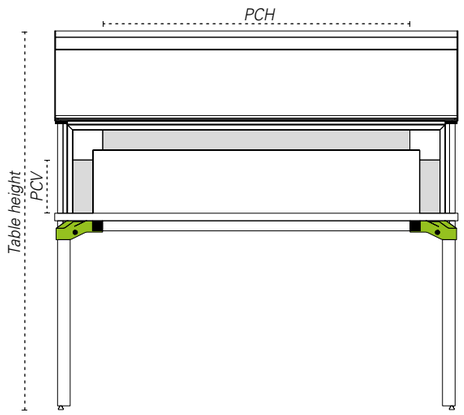
The erfi-Bridge consists of two vertical (left and right) and one horizontal Expand Profile 2.



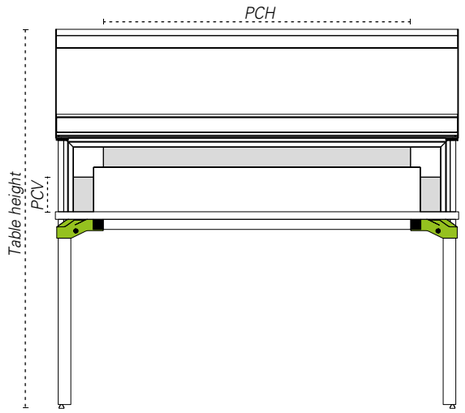
Height			Placement capacity in conjunction with a 6 U cockpit straight			
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
			PCH 161 HP	**PCH** 240 HP	**PCH** 280 HP	**PCH** 319 HP
Table mm	**Bridge** mm	**PCV** HP	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1500	414	50	ELC2.9.1215	ELC2.9.1615	ELC2.9.1815	ELC2.9.2015
1600	514	70	ELC2.9.1216	ELC2.9.1616	ELC2.9.1816	ELC2.9.2016
1700	614	90	ELC2.9.1217	ELC2.9.1617	ELC2.9.1817	ELC2.9.2017
1800	714	110	ELC2.9.1218	ELC2.9.1618	ELC2.9.1818	ELC2.9.2018



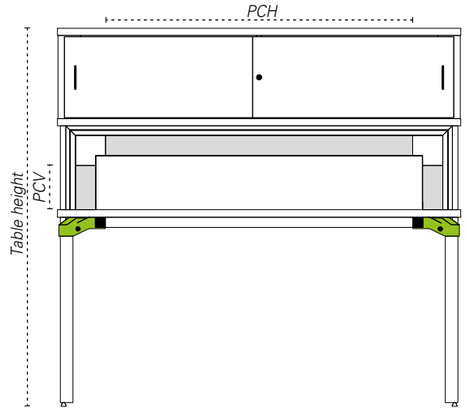
Height			Placement capacity in conjunction with a 6 U cockpit straight with multifunctional pullout			
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
			PCH 161 HP	**PCH** 240 HP	**PCH** 280 HP	**PCH** 319 HP
Table mm	**Bridge** mm	**PCV** HP	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1500	331	34	ELC2.91.1215	ELC2.91.1615	ELC2.91.1815	ELC2.91.2015
1600	431	54	ELC2.91.1216	ELC2.91.1616	ELC2.91.1816	ELC2.91.2016
1700	531	74	ELC2.91.1217	ELC2.91.1617	ELC2.91.1817	ELC2.91.2017
1800	631	93	ELC2.91.1218	ELC2.91.1618	ELC2.91.1818	ELC2.91.2018



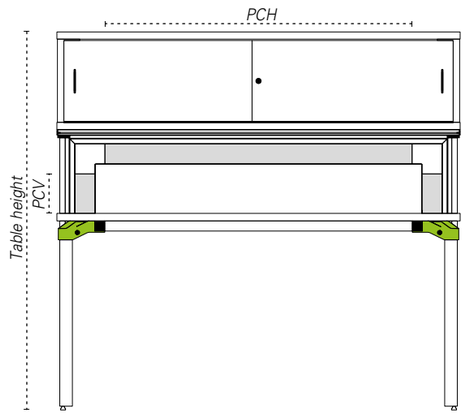
Height			Placement capacity in conjunction with a 6 U cockpit inclined			
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
			PCH 161 HP	**PCH** 240 HP	**PCH** 280 HP	**PCH** 319 HP
Table mm	**Bridge** mm	**PCV** HP	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1500	369	42	ELC2.92.1215	ELC2.92.1615	ELC2.92.1815	ELC2.92.2015
1600	469	61	ELC2.92.1216	ELC2.92.1616	ELC2.92.1816	ELC2.92.2016
1700	569	81	ELC2.92.1217	ELC2.92.1617	ELC2.92.1817	ELC2.92.2017
1800	669	101	ELC2.92.1218	ELC2.92.1618	ELC2.92.1818	ELC2.92.2018



Height			Placement capacity in combination with a 6 U inclined cockpit with multifunctional pullout			
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
			PCH 161 HP	**PCH** 240 HP	**PCH** 280 HP	**PCH** 319 HP
Table mm	**Bridge** mm	**PCV** HP	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1500	286	25	ELC2.93.1215	ELC2.93.1615	ELC2.93.1815	ELC2.93.2015
1600	386	45	ELC2.93.1216	ELC2.93.1616	ELC2.93.1816	ELC2.93.2016
1700	486	65	ELC2.93.1217	ELC2.93.1617	ELC2.93.1817	ELC2.93.2017
1800	586	84	ELC2.93.1218	ELC2.93.1618	ELC2.93.1818	ELC2.93.2018



Height			Placement capacity in conjunction with a DIN A4 cockpit without toplight profile			
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
			PCH 161 HP	**PCH** 240 HP	**PCH** 280 HP	**PCH** 319 HP
Table mm	**Bridge** mm	**PCV** HP	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1500	333	35	ELC2.10.1215	ELC2.10.1615	ELC2.10.1815	ELC2.10.2015
1600	433	54	ELC2.10.1216	ELC2.10.1616	ELC2.10.1816	ELC2.10.2016
1700	533	74	ELC2.10.1217	ELC2.10.1617	ELC2.10.1817	ELC2.10.2017
1800	633	94	ELC2.10.1218	ELC2.10.1618	ELC2.10.1818	ELC2.10.2018



Height			Placement capacity in conjunction with a DIN A4 cockpit with Toplight profile			
			Table width 1200 mm	Table width 1600 mm	Table width 1800 mm	Table width 2000 mm
			PCH 161 HP	**PCH** 240 HP	**PCH** 280 HP	**PCH** 319 HP
Table mm	**Bridge** mm	**PCV** HP	**Order no.**	**Order no.**	**Order no.**	**Order no.**
1500	314	31	ELC2.11.1215	ELC2.11.1615	ELC2.11.1815	ELC2.11.2015
1600	414	50	ELC2.11.1216	ELC2.11.1616	ELC2.11.1816	ELC2.11.2016
1700	514	70	ELC2.11.1217	ELC2.11.1617	ELC2.11.1817	ELC2.11.2017
1800	614	90	ELC2.11.1218	ELC2.11.1618	ELC2.11.1818	ELC2.11.2018

* Abbreviations HP: Horizontal Pitch, 1 HP = 5.08 mm; U: Height Unit;

Abbreviations PCH: Placement capacity horizontal; PCV: Placement capacity vertical;

Insert Plate System acto®

The acto® insert plates as a system
The insert plate system *acto* is a protected trademark of the company *erfi* and is characterized besides the low overall height of 113 mm especially by its innovations.

Innovations of the acto® system

- Remote controllable control power supplies (Ethernet, USB 2.0 and RS232-C optional)
- Remote controllable function generators up to 20MHz with integrated counters up to 100MHz (Ethernet, USB 2.0 and RS232-C optional)
- Remote controllable meters (Ethernet, USB 2.0 and RS232-C optional)
- Outstanding power and control data for power supplies and function generators (control accuracy < 2mV/A, control speeds < 15µs)
- State-of-the-art software for networking classrooms and development laboratories
- Module grid width in 19-inch subrack technology according to DIN 41494 Part 5

Technical dimensions

Installation height 113 mm
Installation width 7 HP grid width

Definition HP (Horizontal Pitch)

1 HP corresponds to 2/10 inch (5.08 mm)
7 HP thus correspond to 35.56 mm

acto enables a high degree of module flexibility thanks to the 19-inch subrack technology in accordance with DIN 41494 Part 5. Each insert plate is constructed in a grid of 7 HP and can therefore make optimum use of the available integration space. Due to the narrow grid of 7 HP, high packing densities can be realized. The insert plates can also be easily combined with the large 19-inch device series *highlab* and *basic* in combination superstructures and combination cockpits.

All-current sensitive residual circuit breaker (type B)
The erfi safety and switching units can alternatively be equipped with all-current sensitive residual current circuit breakers (type B). In the standard equipment all models are equipped with pulse current sensitive residual current circuit breakers (type A).

Possible smooth DC residual currents caused by frequency converters, inverters, photovoltaic systems and battery charging stations cannot be reliably detected by type A RCDs for sinusoidal AC residual currents and pulsating DC residual currents.

DC residual currents can cause type A RCDs to fail to provide protection even for AC residual currents due to bias magnetization of the transformer.
The all-current sensitive RCDs (type B) reliably detect smooth DC residual currents and AC residual currents up to a frequency of 1 MHz.

For the protection of classrooms (when supplied with TN or TT systems) with experimental equipment, DIN VDE 0100-723:2005-06 is binding. If a TN or TT system is used to supply experimental equipment, one or more residual current devices (RCDs) with a rated differential current IΔN ≤ 30mA must be provided in these circuits. These residual current devices must be of type B.

All-current sensitive RCD type B (option)
also suitable for smooth direct currents;

Order no.: Z01.100

Safety and Switching Units

Safety and switching units
NFI switch: Fault current 30 mA, rated current 25 A
Emergency Stop: With potential-free contact for connecting of an on-site room emergency stop
Phase control lamps: L1 or L1, L2, L3
Motor protection switch: 10 -16 A with undervoltage trigger

1-phase, 42 HP
Horizontal Order no. A53.001
Vertical Order no. A53.001V

3-phase, 42 / 49 HP
Horizontal Order no. A53.010 (42 DU)
Vertical Order no. A53.010V (49 DU)

Safety and switching units with key switch
NFI switch: Fault current 30 mA, rated current 25 A
Key on-switch: The key can be removed in both positions can be removed
Emergency Stop: With potential-free contact for connecting of an on-site room emergency stop
Phase control lamps: L1 or L1, L2, L3
Motor protection switch: 10 -16 A with undervoltage trigger

1-phase, 42 HP
Horizontal Order no. A53.014
Vertical Order no. A53.014V

3-phase, 42 / 49 HP
Horizontal Order no. A53.012 (42 DU)
Vertical Order no. A53.012V (49 DU)

Safety and switching unit with key changeover switch and LED display
NFI switch: Fault current 30 mA, rated current 25 A
Key changeover switch: With 3 key positions for changeover between extra-low voltage, zero-sequence voltage, extra-low voltage, alternating voltage and three-phase voltage
Emergency Stop: With integrated key-operated switch (protected against unauthorized entry), with additional potential-free contact for room emergency stop.
LED display: White for extra-low voltage, green for extra-low, alternating and rotary voltage, red for emergency stop catch circuit. The interception circuit can be used to determine the person who pressed the emergency stop button. (Note: A separate control line must be provided).
Phase control lamps: L1, L2, L3
Motor protection switch: 10 -16 A with undervoltage trigger

3-phase, 56 HP
Horizontal Order no. A53.046
Vertical Order no. A53.046V

Safety and Switching Units

Safety and switching units
without emergency stop
NFI switch: Fault current 30 mA, rated current 25 A
Phase control lamps: L1 or L1, L2, L3
Motor protection switch: 10 -16 A with undervoltage trigger

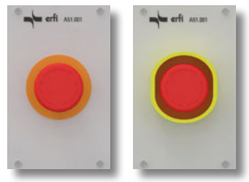
1-phase, 28 HP
Horizontal Order no. A52.003
Vertical Order no. A52.003V

3-phase, 42 HP
Horizontal Order no. A53.011
Vertical Order no. A53.011V

Safety and switching units
with key switch without emergency stop
NFI switch: Fault current 30 mA, rated current 25 A
Key on-switch: The key can be removed in both positions can be removed
Phase control lamps: L1 or L1, L2, L3
Motor protection switch: 10 -16 A with undervoltage trigger

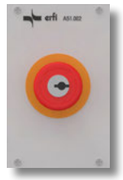
1-phase, 35 / 42 HP
Horizontal Order no. A52.008 (35 DU)
Vertical Order no. A52.008V (42 DU)

3-phase, 42 / 49 HP
Horizontal Order no. A53.013 (42 DU)
Vertical Order no. A53.013V (49 DU)



Emergency stop button, 14 HP
With potential-free contact for connecting an on-site room emergency stop. (Note: Protective collar for emergency stop available at extra cost)

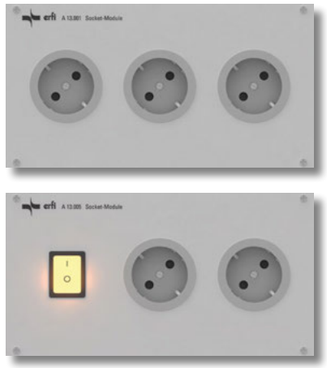
Horizontal Order no. A51.001
Vertical Order no. A51.001V



Emergency stop button
with key switch, 14 HP
Safe to override due to integrated key switch. The emergency stop button can be released by means of a key.

Horizontal Order no. A51.002
Vertical Order no. A51.002V

Supply Modules



AC power supplies 1-phase, socket modules
without and with power switch
Protective contact sockets: 230 V, 50 Hz, 16 A
Color of sockets: standard pebble gray, RAL 7032
(Optionally available in other colors and models).

Socket modules without power switch			Socket modules with power switch		
	Horizontal	**Vertical**		**Horizontal**	**Vertical**
1 Socket	A11.016	A11.016V	1 Socket	A12.016	A12.016V
2 Sockets	A12.002	A12.002V	2 Sockets	A13.005	A13.005V
3 Sockets	A13.001	A13.001V	3 Sockets	A14.002	A14.002V
4 Sockets	A14.001	A14.001V	4 Sockets	A15.002	A15.002V
5 Sockets	A15.001	A15.001V	5 Sockets	A16.002	A16.002V
6 Sockets	A16.001	A16.001V	6 Sockets	A17.001	A17.001V

Protective contact socket
orange, 230 V, 50 Hz, 16 A, Type F
Countries: D, A, GR, L, MC, NL,
N, S, SLO, ES, TR, RUS
Order no. A1.102

Protective contact socket with hinged lid
orange, 230 V, 50 Hz, 16 A, Type F
Countries: D, A, GR, L, MC, NL,
N, S, SLO, ES, TR, RUS
Order no. A1.105

Protective contact socket Switzerland
pebble grey (RAL 7032), 230 V, 50 Hz,
10 A (SEV 13), Type J, T13
Countries: CH, LI
Order no. A1.106

Protective contact socket with hinged lid
pebble grey (RAL 7032), 230 V, 50 Hz, 16 A, Type F
Countries: D, A, GR, L, MC, NL,
N, S, SLO, ES, TR, RUS
Order no. A1.103

Protective contact socket France
pebble grey (RAL 7032), 230 V, 50 Hz, 16 A, Type E
Countries: F
Order no. A1.107

Protective contact socket Italy
pebble grey (RAL 7032), 230 V, 50 Hz, 16 A, Type L
Countries: I, ES
Order no. A1.108

Protective contact socket Great Britain
pebble grey (RAL 7032), 240 V, 50 Hz, 13 A, Type G
Countries: GB, IR, M, CY
Order no. A1.109

Protective contact socket USA
pebble grey (RAL 7032), 115 V, 50 Hz, 15 A, Type B
Countries: USA, TW, JP
Order no. A1.110

Protective contact socket Australia
pebble grey (RAL 7032), 230 V, 50 Hz, 10 A, Type I
Countries: AUS, NZ, PNG, CHN, RA, ROU
Order no. A1.113

Protective contact socket India
pebble grey (RAL 7032), 230 V, 50 Hz, 10 A, Type M
Countries: IND, older installations
also in GB, IR, M, CY
Order no. A1.111

Note: Other socket designs (colors and models) available at extra cost.

Supply Modules

Connection panel, 14 HP
2 x 5 SLB[1],
400/ 230 V, 50 Hz, 16 A

Horizontal Order no. A11.030
Vertical Order no. A11.030V

CEE socket (wired), 14 HP
2-pole + PE, 6 h, 230 V, 50 Hz, 16 A,
with blue hinged lid

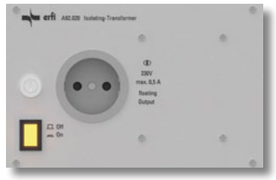
Horizontal Order no. A11.022
Vertical Order no. A11.022V

Safety lab bushing PE
(Protective conductor, wired), 7 HP
1 SLB[1] 4 mm

Horizontal Order no. A10.045
Vertical Order no. A10.045V

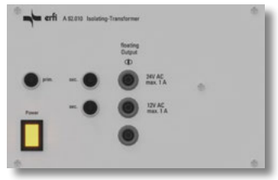
Safety lab bushing L1, N, PE
(wired), 7 HP
3 SLB[1] 4 mm, 230 V, 50 Hz, 16 A

Horizontal Order no. A10.046
Vertical Order no. A10.046V



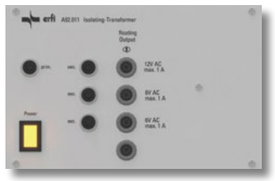
AC voltage module, floating,
230 V/ max. 0,5 A, 115 VA, 35 HP
1 illuminated mains switch, 1 socket outlet without earthing contact
for the extraction of ungrounded AC voltage, 1 safety fuse

Horizontal Order no. A92.020
Vertical Order no. A92.020V



AC power supplies 1-phase
Low-voltage AC module, floating, 12 V, 24 V/1 A, 35 HP
1 illuminated mains switch, 3 safety laboratory sockets for the extraction
of ungrounded small AC voltage, 1 thermal circuit breaker (primary protection),
2 thermal-magnetic circuit breakers (secondary protection)

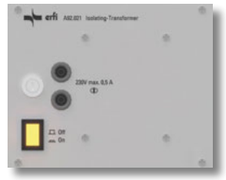
Horizontal Order no. A92.010
Vertical Order no. A92.010V



AC power supplies 1-phase
Low-voltage AC module, floating, 6 V, 8 V, 12 V/1 A, 35 HP
1 illuminated mains switch, 4 safety laboratory sockets for the extraction
of ungrounded low AC voltage, 1 thermal circuit breaker (primary fuse
protection) 3 thermal-magnetic circuit breakers (secondary protection)

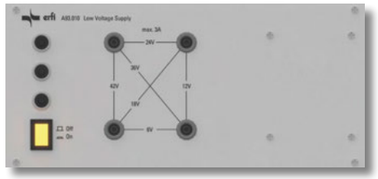
Horizontal Order no. A92.011
Vertical Order no. A92.011V

[1] SLB: Safety lab bushing



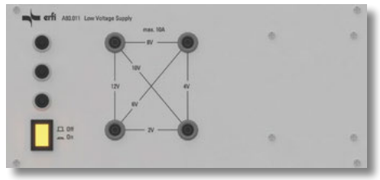
AC voltage module, floating,
230 V/max. 0,5 A, 115 VA, 28 HP
1 illuminated mains switch, 2 safety laboratory sockets
for the extraction of ungrounded AC voltage, 1 safety fuse

Horizontal Order no. A92.021
Vertical Order no. A92.021V



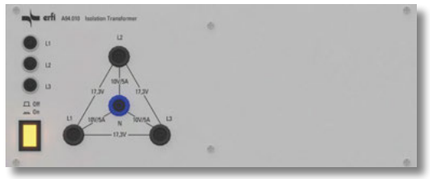
Low-voltage AC module, floating,
6 V, 12 V, 18 V, 24 V, 36 V, 42 V/3 A, 49 HP
1 illuminated mains switch, 4 safety laboratory sockets for tapping
ungrounded extra-low AC voltage, 1 thermal circuit breaker
(primary fuse protection), 3 thermal-magnetic circuit breakers
(secondary fuse protection)

Horizontal Order no. A93.010
Vertical Order no. A93.010V



Low-voltage AC module, floating,
2 V, 4 V, 6 V, 8 V, 10 V, 12 V/10 A, 49 HP
1 illuminated mains switch, 4 safety laboratory sockets for tapping
ungrounded extra-low AC voltage, 1 thermal circuit breaker
(primary fuse protection), 3 thermal-magnetic circuit breakers
(secondary fuse protection)

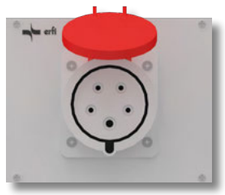
Horizontal Order no. A93.011
Vertical Order no. A93.011V



Small rotary voltage module, ungrounded,
Triangle 3 x 17,3 V/150 VA, Star 3 x 10 V/5 A, 56 HP
1 mains switch, 4 safety laboratory sockets L1, L2, L3, N for
tapping earth-free extra-low voltage, 1 thermal circuit breaker
(primary fuse protection), 3 thermal-magnetic circuit breakers
(secondary fuse protection)

Horizontal Order no. A94.010
Vertical Order no. A94.010V

Supply Modules



Three-phase module, 28 HP
1 CEE socket, 3-pole + N + PE, 6 h,400/ 230 V, 50 Hz, 16 A

Horizontal Order no. A12.001
Vertical Order no. A12.001V

Three-phase module, 28 HP
1 CEE socket, 3-pole + N + PE, 6 h, 400/ 230 V, 50 Hz, 16 A,
5 SLB[1] L1, L2, L3, N, PE, 400/ 230 V, 50 Hz, 16 A

Horizontal Order no. A12.020
Vertical Order no. A12.020V

Three-phase module with multifunctional display incl. power meter, 56 HP
U: Lx – N (V), I (A), P (W), Q (VAr), S (VA),
cos phi (0,10 i .. 1 .. 0,10 c), f (L1-N : 48-62 Hz)
1 CEE socket, 3-pole + N + PE, 6 h, 400/ 230 V, 50 Hz, 16 A,
5 SLB[1] L1, L2, L3, N, PE, 400/ 230 V, 50 Hz, 16 A,

Horizontal Order no. A14.055
Vertical Order no. A14.055V

Drehstrommodul, 35 HP
1 power switch, 3 thermal-magnetic circuit breakers,
5 SLB[1] L1, L2, L3, N, PE, 400/ 230 V, 50 Hz, 16 A

Horizontal Order no. A12.021
Vertical Order no. A12.021V

[1] SLB: Safety lab bushing

Universal Testing Device

Technical Data Universal Tester with Digital Display		
Size	113 mm / 70 HP	
Functional group DC	Fixed voltage 1	+15 V / 2 A, -15 V / 1 A for OP amplifier
	Fixed voltage 2	+/- 5 V / 3 A für TTL
Control power supply	0-30 V / 1 A, stabilized and short circuit proof, LC display	Completely remote controllable, Integrated ramp generator
Output OFF function	Completely remote controllable with all functions (U, I, measuring function for U and I, ramp) incl. 3 arbitrary selectable fixed voltages	
Functional group AC	Fixed voltage 1 and 2	12 V / 0,2 A, 50 Hz, switchable to 24 V / 0,2 A, 50Hz
3-phase AC generator	with 3 phases and N, 7 / 12 Vrms, 50 mA (star / delta), 3 outputs, 120° out of phase, rotating field, 50 Ohm output resistance, fixed frequency 50 Hz	
Function generator	Functions	Sine, triangle, rectangle, logic
	Frequency range	1 Hz – 1 MHz
	Amplitude	0-20 Vss, Accuracy 10 mA
	Max. Output current	300 mA
	Attenuator	20 dB
	Output resistance	50 Ohm, Swelling resistance 5 Ohm
	TTL output	5 V
	Completely remote controllable with all functions	
Measurement inputs	2 measuring inputs for voltage +/- 10 V	2 measuring inputs for current +/- 1 A
	Completely remote controllable with all functions. All measurement inputs can be read in.	
Interfaces	USB 2.0 and Ethernet	

Universal tester with digital display, remote controllable, 70 HP
With DC and AC power supply, function and three-phase current generator, measuring interface for current and voltage, completely remote controllable. Ideally suited for all basic experiments and advanced experiments from electrical engineering/electronics and digital and analog technology.

Horizontal Order no. A35.070
Vertical Order no. A35.070V

Note: Power stage control power supply is mounted in the cable tray or in a techcube below the table and wired accordingly.

Variable Transformers

Equipment of the transformers
All variable transformers are equipped with a thermal (primary) and thermal-magnetic (secondary) circuit breaker and an illuminated mains switch.

0-30 V AC, 2 A, floating, 77 HP
unstabilized, output AC: 2 SLB[1] 4 mm
Display: 1. Rotary iron instrument Kl. 2,5; Voltage: 0-30 V
2. Rotary iron instrument Kl. 2,5; Current: 0-2 A

Horizontal Order no. A95.010
Vertical Order no. A95.010V

0-30 V, AC/DC, 2 A, floating, 77 HP
unstabilized, switchable to 0-24 V DC
Residual ripple approx. 50 % due to integrated bridge rectifier
Output AC/DC: 2 SLB[1] 4 mm
Display: 1. Rotary iron instrument Kl. 2,5; Voltage: 0-30 V
2. Rotary iron instrument Kl. 2,5; Current: 0-2 A

Horizontal Order no. A95.011
Vertical Order no. A95.011V

0-260 V AC, 1 A, not ungrounded, socket, 63 HP
unstabilized, output AC: Protective contact socket
Display: 1. Rotary iron instrument Kl. 2,5; Voltage: 0-30 V
2. Rotary iron instrument Kl. 2,5; Current: 0-2 A

Horizontal Order no. A94.030
Vertical Order no. A94.030V

Note: Not applicable in Expand Profile 2.

0-24 V, AC/DC, 4 A, floating, 77 HP
unstabilized, switchable to 0-19 V DC
Residual ripple approx. 50 % due to integrated bridge rectifier
Output AC/DC: 2 SLB[1] 4 mm
Display: 1. Rotary iron instrument Kl. 2,5; Voltage: 0-30 V
2. Rotary iron instrument Kl. 2,5; Current: 0-2 A

Horizontal Order no. A95.012
Vertical Order no. A95.012V

0-260 V AC, 1 A, not ungrounded, lab bushings, 63 HP
unstabilized, AC: 3 SLB[1] 4 mm (L1, N und PE)
Display: 1. Rotary iron instrument Kl. 2,5; Voltage: 0-30 V
2. Rotary iron instrument Kl. 2,5; Current: 0-2 A

Horizontal Order no. A94.031
Vertical Order no. A94.031V

Note: Not applicable in Expand Profile 2.

0-260 V, AC/DC, 1 A, not ungrounded, without display, 42 HP
unstabilized, DC: 0-200 V DC unscreened,
Residual ripple approx. 50 % due to integrated bridge rectifier
Output AC/DC: 3 SLB[1] 4 mm (L1, N and PE) / 2 SLB[1] 4 mm

Horizontal Order no. A93.030
Vertical Order no. A93.030V

Note: Not applicable in Expand Profile 2.

0-260 V AC, 1 A, not ungrounded, without display, 35 HP
unstabilized,
Output AC: 3 SLB[1] 4 mm (L1, N and PE)

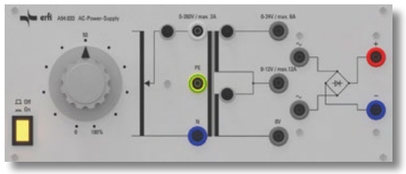
Horizontal Order no. A92.030
Vertical Order no. A92.030V

Note: Not applicable in Expand Profile 2.

0-260 V AC/DC, max. 2 A, floating, 63 HP
unstabilized, switchable to 0-200 V DC by bridge rectifier
Ouput AC/DC: Socket without earthing contact / 2 SLB[1] 4mm
Display: 1. Rotary iron instrument Kl. 2,5; Voltage: 0-260 V
2. Rotary iron instrument Kl. 2,5; Current: 0-2 A

Horizontal Order no. A94.032
Vertical Order no. A94.032V

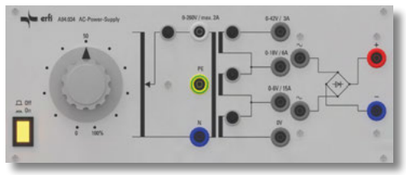
Note: Not applicable in Expand Profile 2, energy superstructures / cockpits 150 mm deep.



0-12/24/260 V, AC/DC, floating resp. not ungrounded, 56 HP
unstabilized,
AC 1: 0–12 V AC max. 12 A floating *AC 2:* 0-24 V AC max. 6 A floating
AC 3: 0-260 V AC max. 2 A not ungrounded
Ouput AC 1+2: je 2 SLB[1] 4 mm
Ouput AC 3: 3 SLB[1] 4 mm (L1, N and PE)
Bridge rectifier for external wiring

Horizontal Order no. A94.033
Vertical Order no. A94.033V

Note: Not applicable in Expand Profile 2, energy superstructures / cockpits 150 mm deep.



0-6/18/42/260 V, AC/DC, floating resp. not ungrounded, 56 HP
unstabilized,
AC 1: 0-6 V AC max. 15 A floating *AC 2:* 0-18 V AC max. 6 A floating
AC 3: 0-42 V AC max. 3 A floating *AC 4:* 0-260 V AC max. 2 A not ungrounded
Ouput AC 1-3: je 2 SLB[1] 4 mm
Ouput AC 4: 3 SLB[1] 4 mm (L1, N and PE)
Bridge rectifier for external wiring

Horizontal Order no. A94.034
Vertical Order no. A94.034V

Note: Not applicable in Expand Profile 2, energy superstructures / cockpits 150 mm deep.

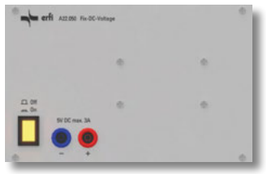
[1] SLB: Safety lab bushing

Fixed Voltage Sources

Technical Data Longitudinally Regulated Fixed Voltage Sources							
Output data	Voltage	5 V	5 V	12 V	12 V	15 V	15 V
	Current	1 A	3 A	1 A	2 A	1 A	2 A
Control deviation	Voltage load change 0-100%	20 mV	20 mV	50 mV	80 mV	50 mV	80 mV
Ripple	Voltage at nominal load 0,5 m_{Veff}						
Control time	Load jump from 0% to 100% 15 µs						

Tracking power supply ±3 bis ±15 V / 1 A and 5 V / 1 A, 42 HP
fixed longitudinal control, permanent short-circuit proof,
series and parallel connectable
Output: SLB[1] 4 mm

Horizontal Order no. A23.050
Vertical Order no. A23.050V

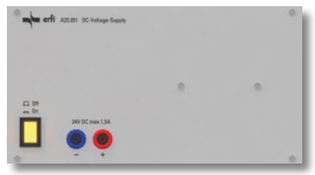


Fixed voltage source 5 V / 3 A, 35 HP
longitudinally controlled, permanent short-circuit proof,
series and parallel connectable
Output: SLB[1] 4 mm

Horizontal Order no. A22.050
Vertical Order no. A22.050V

Fixed voltage source ±5 V/3 A, 56 HP
longitudinally controlled, permanent short-circuit proof,
series and parallel connectable
Output: SLB[1] 4 mm

Horizontal Order no. A24.050
Vertical Order no. A24.050V



Fixed voltage source 24 V / 1,5 A, 42 HP
clocked, permanent short-circuit proof,
series and parallel connectable
Output specs: Control offset input voltage change ±0,2 % max.
Control offset load change ±0,8 % max.
General specs: Temperature coefficient ±0,01 %/C°
Output: SLB[1] 4 mm

Horizontal Order no. A23.051
Vertical Order no. A23.051V

Fixed voltage source 24 V / 5 A (10 A-peak), 56 HP
tacked, permanent short-circuit proof, can be connected in series
and parallel, double nominal peak power at switch-on
Power factor and harmonic response according to EN61000-3-2
Load control: 192 mV max.
Ripple and noise: 360 mV max.
Output: SLB[1] 4 mm

Horizontal Order no. A24.051
Vertical Order no. A24.051V

Fixed voltage source 2 x 12 V/2 A, 63 HP
permanent short-circuit proof, parallel or
series connectable, lengthwise controlled
Output: SLB[1] 4 mm

Horizontal Order no. A24.052
Vertical Order no. A24.052V

Fixed voltage source 2 x 15 V / 2 A, 63 HP
permanently short-circuit proof,
series and parallel connection possible
Output: SLB[1] 4 mm

Horizontal Order no. A24.053
Vertical Order no. A24.053V

Fixed voltage source ±12 V / 1 A and 5 V / 3 A, 70 HP
permanently short-circuit proof,
series and parallel connection possible,
1 Protective contact socket 230 V / 16 A additionally
Output: SLB[1] 4 mm

Horizontal Order no. A25.050
Vertical Order no. A25.050V

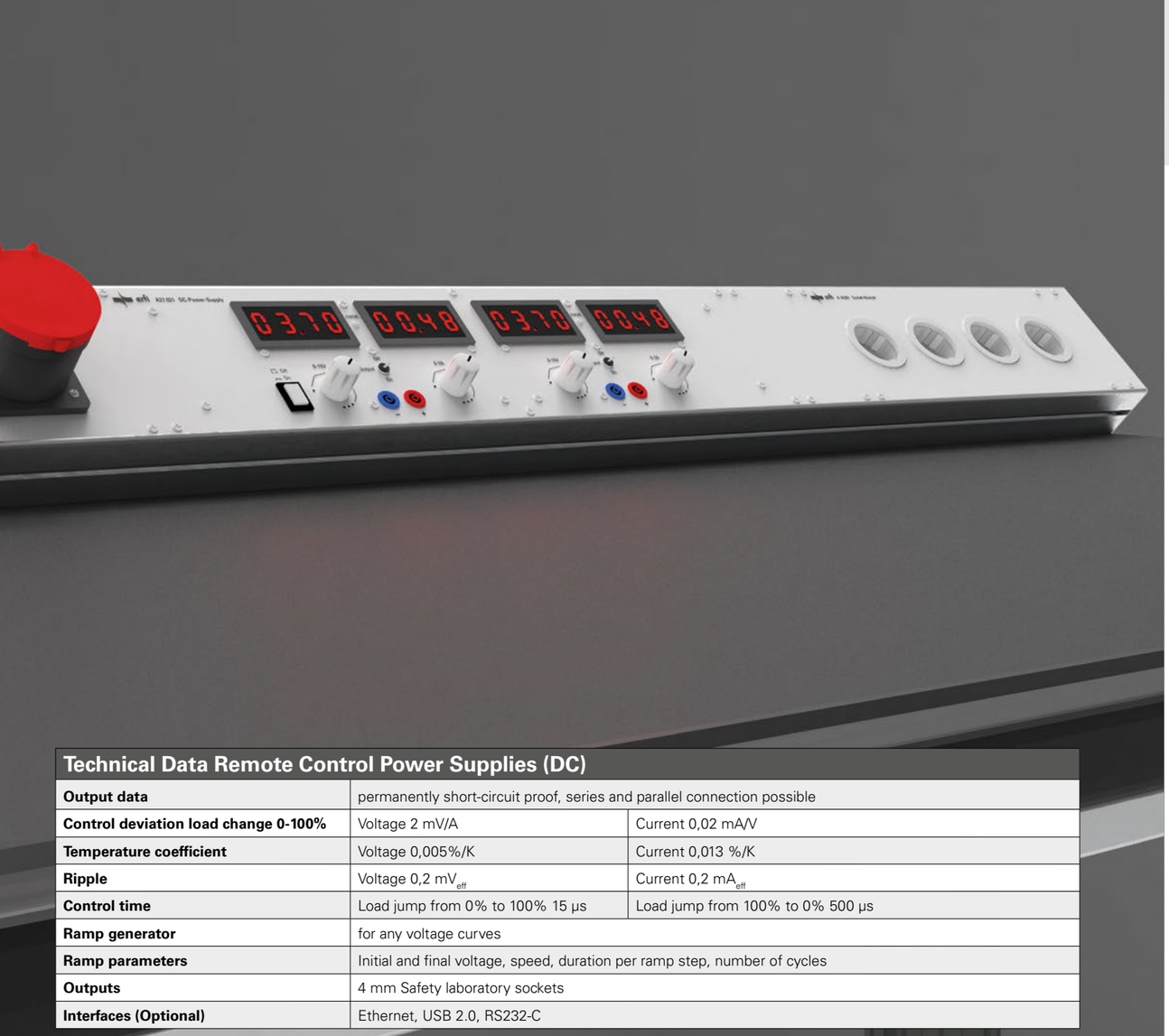
Note: Not applicable in Expand Profile 2.

Fixed voltage source ±15 V / 1 A and 5 V / 3 A, 70 HP
permanently short-circuit proof,
series and parallel connection possible,
1 Protective contact socket 230 V / 16 A additionally
Output: SLB[1] 4 mm

Horizontal Order no. A25.051
Vertical Order no. A25.051V

Note: Not applicable in Expand Profile 2.

[1] SLB: Safety lab bushing



Technical Data Remote Control Power Supplies (DC)		
Output data	permanently short-circuit proof, series and parallel connection possible	
Control deviation load change 0-100%	Voltage 2 mV/A	Current 0,02 mA/V
Temperature coefficient	Voltage 0,005%/K	Current 0,013 %/K
Ripple	Voltage 0,2 mV_{eff}	Current 0,2 mA_{eff}
Control time	Load jump from 0% to 100% 15 µs	Load jump from 100% to 0% 500 µs
Ramp generator	for any voltage curves	
Ramp parameters	Initial and final voltage, speed, duration per ramp step, number of cycles	
Outputs	4 mm Safety laboratory sockets	
Interfaces (Optional)	Ethernet, USB 2.0, RS232-C	

Rear interfaces (option)
The interfaces enable the control of the control power supplies. The erfi software *highlink Power* takes over the complete device control as well as the room control via Ethernet interface.

Ethernet, Order no. NWT.1.106
USB 2.0, Order no. NWT 1.107
RS 232 C, Order no. NWT 1.108

Installation note
The power stage of the control power supply unit is mounted in the cable trough or in a Tech-cube below the table and wired accordingly.

Remote control power supplies (DC)

Single rule power supply 0–30 V / 0–2 A, 49 HP
One digital display for voltage and current;
OUTPUT-OFF: Enables output deactivation with simultaneous limitation of max. output current (visualized in display).

Horizontal Order no. A23.015
Vertical Order no. A23.015V

Single rule power supply 0–30 V / 0–2 A, 49 HP
Two digital display for voltage and current;
OUTPUT-OFF: Enables output deactivation with simultaneous limitation of max. output current (visualized in display).

Horizontal Order no. A23.025
Vertical Order no. A23.025V

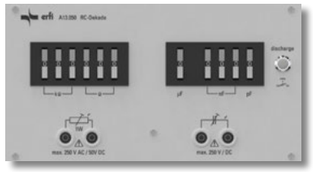
Double control power supply unit 2 x 0–30 V / 2 x 0–2 A, 98 HP
Two digital display for voltage and current;
OUTPUT-OFF: Enables output deactivation with simultaneous limitation of max. output current (visualized in display).

Horizontal Order no. A27.015
Vertical Order no. A27.015V

Double control power supply unit 2 x 0–30 V / 2 x 0–2 A, 98 HP
Four digital display for voltage and current;
OUTPUT-OFF: Enables output deactivation with simultaneous limitation of max. output current (visualized in display).

Horizontal Order no. A27.025
Vertical Order no. A27.025V

Power and Pneumatic Units



RC-Decade, 42 HP
Combination device with integrated R- and C-decade for the experimental determination of resistance and capacitance values.
Discharge circuit: Button with changeover switch and discharge resistor 10 kOhm
Resistance: 1 Ohm til 999,999 kOhm in steps at 1 Ohm
Accuracy:
± 1 % above 40 Ohm ± 4 % from 40 Ohm to 13 Ohm
± 6 % from 12 Ohm to 3 Ohm ± 10 % at 2 Ohm and 1 Ohm
Load capacity max. 1 W / Voltage max. 250 V (50 Hz)
Capacity: 100 pF bis 9.9999 µF in steps at 100 pF
Accuracy: ± 2 % above 1 nF ± 10 % from 1 nF to 100 pF

Horizontal Order no. A13.050
Vertical Order no. A13.050V

RC-Logade, 28 HP
For experimental determination of resistance and capacitance values.
The resistance and the capacitance can be adjusted by means of a rotary switch.
Resistance: 100 Ohm til 680 kOhm row E 6
Tolerance ± 2 % / Load capacity max. 0,5 W / Voltage max. 400 V DC
Capacity: 100 pF til 680 nF row E 6
Tolerancw ± 10 % / Voltage max. 250 V DC

Horizontal Order no. A12.050
Vertical Order no. A12.050V

L-Logade, 14 HP
For the experimental determination of inductance values.
The inductance can be adjusted by means of a rotary switch.
Value range: 1 µH til 4700 µH, graduated according to series E 6 (23 values)
Accuracy: 1 µH til 33 µH ± 10 %, 47 µH til 4700 µH ± 5 %
Voltage max. 100 V DC / Current max. 63 mA, protected by fine-wire fuse

Horizontal Order no. A11.050
Vertical Order no. A11.050V

Pneumatic unit with manometer, 35 HP
Output pressure for coupling 1 and 2:
0 til 3/10 bar, cont. adjustable, pressure reducer with locking device & overpressure safety device
Output pressure for coupling 3:
direct sampling of the inlet pressure
Output: all 3 couplings DN 5 self-adjusting
Input: back for hose, inside ø 6 mm

Horizontal Order no. A72.010 (0 tp 3 bar)
Vertical Order no. A72.010V (0 to 3 bar)

Horizontal Order no. A72.011 (0 to 10 bar)
Vertical Order no. A72.011V (0 to 10 bar)

Compressed air outlet, 7 HP
Output: DN 5 self-adjusting
Operating pressure: max. 10 bar
Input: back for hose,
inside ø 6 mm

Horizontal Order no. A70.001
Vertical Order no. A70.001V

Interface and Connection Panels

Interfaces
Insert plates for the various interfaces and connections are each offered individually to allow flexibility and retrofittability.

2 USB 3.0 sockets, 7 HP
incl. cable 1.8 m and counter plug

Horizontal Order no. A10.002
Vertical Order no. A10.002V

1 DVI-I socket, 7 HP
incl. cable 1.8 m and counter plug

Horizontal Order no. A10.022
Vertical Order no. A10.022V

2 SubD connector 9-pin, 7 HP
incl. cable 1.8 m and counter plug

Horizontal Order no. A10.003
Vertical Order no. A10.003V

2 audio jacks, chinch, 7 HP
incl. cable 1.8 m and counter plug

Horizontal Order no. A10.023
Vertical Order no. A10.023V

2 SubD connector 27-pin, 7 HP
incl. cable 1.8 m and counter plug

Horizontal Order no. A10.004
Vertical Order no. A10.004V

2 RJ45 sockets, 8-pin, 7 HP
rear side plug connection, incl. patch cable 3 m and counter plug

Horizontal Order no. A10.013
Vertical Order no. A10.013V

2 stereo jack sockets, 7 HP
incl. cable 1.8 m and counter plug

Horizontal Order no. A10.005
Vertical Order no. A10.005V

1 FireWire-IEEE 1394, 7 HP
incl. cable 1.8 m and counter plug

Horizontal Order no. A10.025
Vertical Order no. A10.025V

2 BNC through socket, 7 HP
50 Ohm

Horizontal Order no. A10.007
Vertical Order no. A10.007V

1 HDMI connector type A, 7 HP
incl. cable 1.8 m and counter plug

Horizontal Order no. A10.030
Vertical Order no. A10.030V

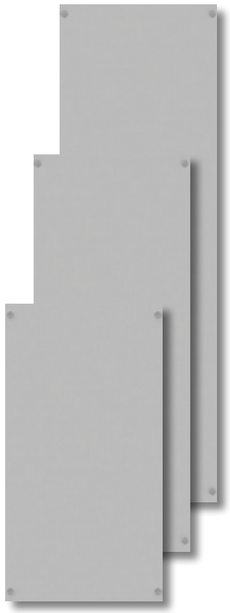
4-way USB hub, 7 HP
4-fach USB-Port LogiLink

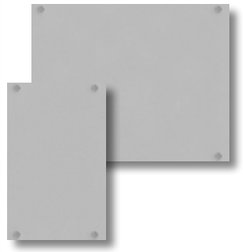
Horizontal Order no. A10.073
Vertical Order no. A10.073V

USB charging socket, 14 HP
2-fach Berker USB charge socket

Horizontal Order no. A11.121
Vertical Order no. A11.121V

Front Plates





Blank plates
The blank plates in specified size units are equally designed for vertical and horizontal installation.

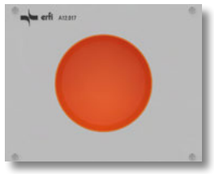
Blank plates							
7 HP	**14 HP**	**21 HP**	**28 HP**	**35 HP**	**42 HP**	**49 HP**	**56 HP**
A01.000	A01.010	A01.011	A02.010	A02.011	A03.010	A03.011	A04.010
63 HP	**70 HP**	**77 HP**	**84 HP**	**91 HP**	**95 HP**	**98 HP**	
A04.011	A05.010	A05.011	A06.010	A06.011	A07.010	A08.010	

Colored blank plates
Optionally, all blank panels are available in your desired color. Please specify the RAL color.

Order no. A.MPF

Remaining plates
Variable size panel to complete the built-in front.

Order no. A01.001



Insert plate for cavity wall box Ø 68 mm, 28 HP

Horizontal Order no. A12.017
Vertical Order no. A12.017V

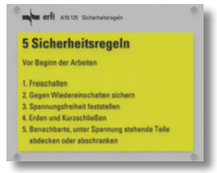
Insert plate for cable outlet box, 28 HP

Ø 60 mm
Horizontal Order no. A12.106
Vertical Order no. A12.106V

Ø 80 mm
Horizontal Order no. A12.048
Vertical Order no. A12.048V

erfi-Didactic

erfi didactics for educational institutions
The insert plates of the erfi didactic series is useful for useful for all equipment in the training area.



Safety rules didactic area, 28 HP
Front panel with 5 important safety rules for electronics laboratories. Black lettering on yellow background.

Horizontal Order no. A12.139
Vertical Order no. A12.139V

ASi, 14 HP
4 SLB[1] 4 mm yellow, unwired, „ASi logo“ imprint

Horizontal Order no. A11.149
Vertical Order no. A11.149V

KNX, 7 HP
2 SLB[1] 2 mm red / black, unwired, „KNX logo“ imprint

Horizontal Order no. A10.127
Vertical Order no. A10.127V

PROFI BUS, 7 HP
2 Sub-D adapters (Genter-Changer) 9-pin, front side female / rear side female, „PROFI-BUS“- imprint

Horizontal Order no. A10.129
Vertical Order no. A10.129V

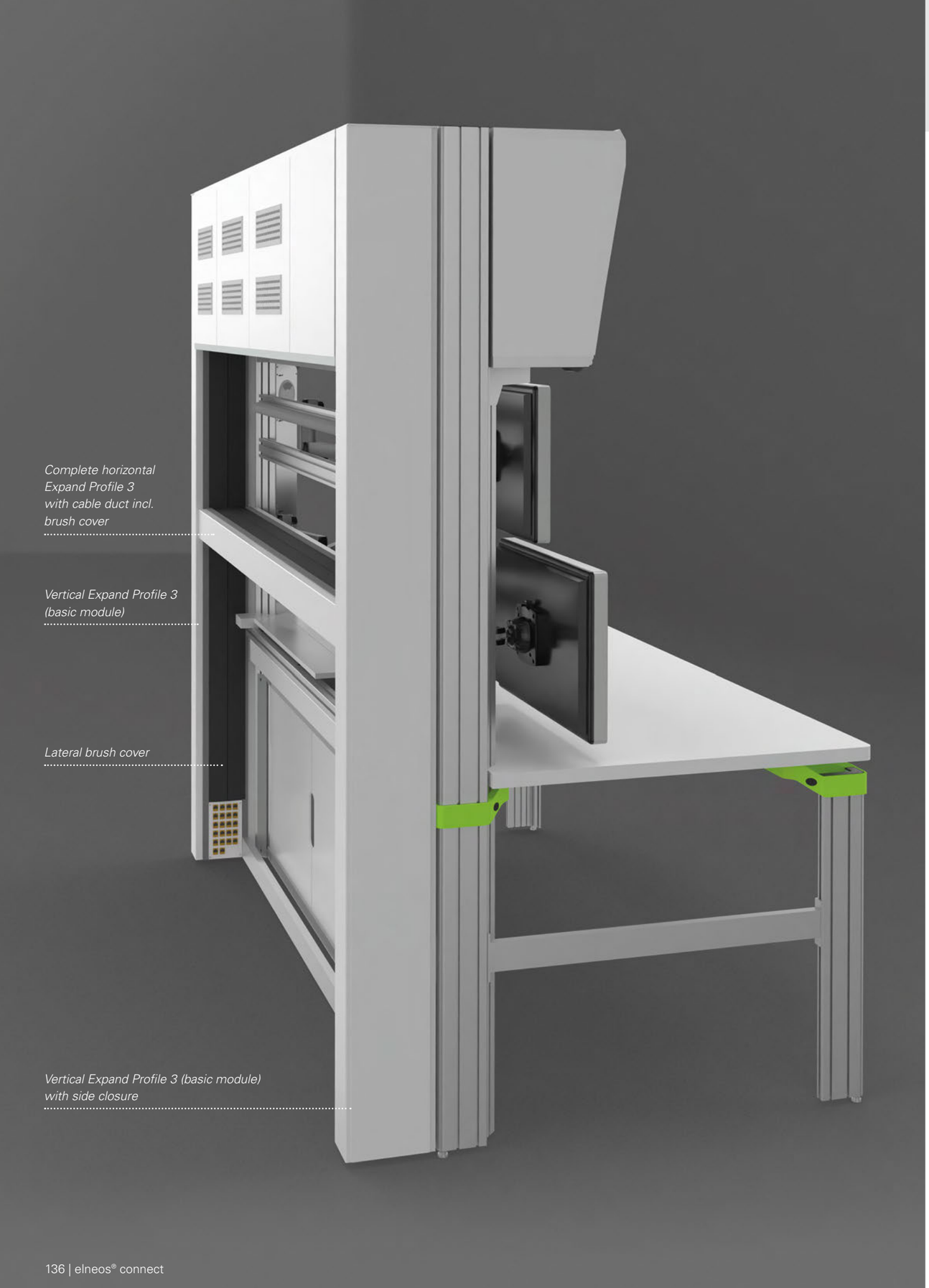
PROFI NET, 7 HP
2 RJ45 socket 8-pin pluggable on both sides, 3 m patch cable, „PROFI-NET“ imprint

Horizontal Order no. A10.128
Vertical Order no. A10.128V

PC USB Oscilloscope, 42 HP
2-channel, 16 digital channels, 25 MHz, 200 MS/s,
USB interface on the rear side.
Spectrum analyzer, function generator,
arbitrary waveform generator with serial bus analyzer.

Horizontal Order no. A27.028
Vertical Order no. A27.028V

[1] SLB: Safety lab bushing



Complete horizontal Expand Profile 3 with cable duct incl. brush cover

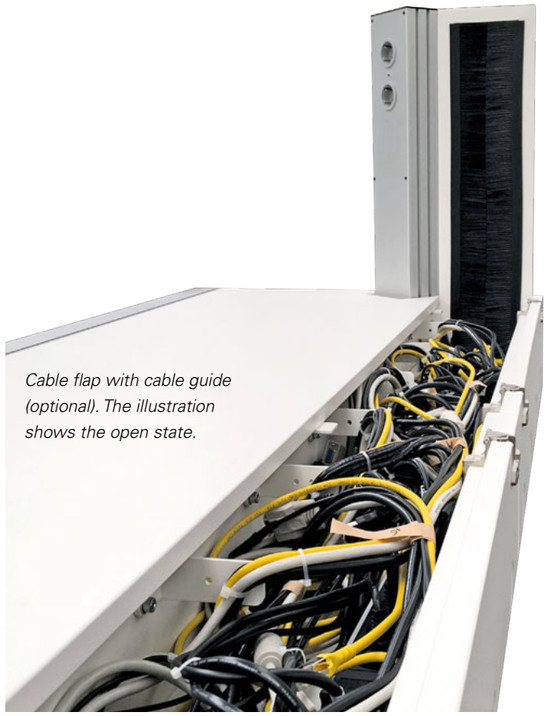
Vertical Expand Profile 3 (basic module)

Lateral brush cover

Vertical Expand Profile 3 (basic module) with side closure

Expand Profile 3

The vertical and horizontal Expand Profile 3
In addition to expand profile 1 and 2, the expand profile 3 accommodates other media. Particularly large quantities of cables can thus be stored in the table structure itself. Depending on the assembly, the duct system is accessible from the front or from the rear and allows the wiring between the tables at any height. Of course, the system can also be used without the vertical profile.



Cable flap with cable guide (optional). The illustration shows the open state.

Horizontal alignment

The horizontal orientation allows for horizontal media routing, accommodating power strips, and connecting the vertical left and right profiles.

Special features

- System height 90 mm, system depth 185 mm
- Dockable to L-profile rear and height variable
- Useful under storage boards and cockpits

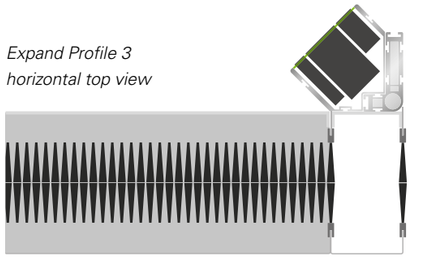
Vertical alignment

The vertical orientation of the Expand Profile 3 extends the L-foot profile to the rear, providing extended and intelligent media guidance in the vertical direction.

Special features

- System height 90 mm, system depth 185 mm
- Side brush cover over entire height
- Metal back panel
- Internal holder for cable sorting (optional)
- Dockable to L-profile rear side
- Kink-free media entry in all directions
- Outer side can be blinded with side finish

Expand Profile 3 horizontal top view



Expand Profile 2

Expand Profile 3 vertical top view

Vertical Expand Profile 3 (system depth 185 mm)				Horizontal Expand channel 3	
Vertical table height mm	**Basic module**	**Lateral brush cover**	**Lateral final module**	**Horizontal table height mm**	**Complete module**
780	ELC2.14.780.1.X	ELC2.14.780.2	ELC2.14.780.3	1200	ELC2.14.1200.H
1200	ELC2.14.1200.1.X	ELC2.14.1200.2	ELC2.14.1200.3	1600	ELC2.14.1600.H
1400	ELC2.14.1400.1.X	ELC2.14.1400.2	ELC2.14.1400.3	1800	ELC2.14.1800.H
1500	ELC2.14.1500.1.X	ELC2.14.1500.2	ELC2.14.1500.3	2000	ELC2.14.2000.H
1800	ELC2.14.1800.1.X	ELC2.14.1800.2	ELC2.14.1800.3		
2000	ELC2.14.2000.1.X	ELC2.14.2000.2	ELC2.14.2000.3		
2200	ELC2.14.2200.1.X	ELC2.14.2200.2	ELC2.14.2200.3		
Cable flap with cable guide function (optional) Order no. ELC2.14.KF **Internal holder for cable sorting (optional) Order no.** ELC2.14.KS					

Ordering note: Please replace the „x“ with the desired mounting position L = left, R = right or LR = left and right.

Container Program

The elneos® connect container program
The container program of *elneos connect* differs from other container systems by the following essential advantages:

1. Smart-Close technology as standard;
2. Special chassis for highest stability;
3. Roller container can be converted into a pedestal at any time;
4. High quality design castors with ø 75 mm and improved running characteristics: 200 kg static load per castor, 100 kg dynamic load per castor;
5. Material tray with improved partitioning and useful height (useful height 40 mm);

Special features

1. Touch-to-open technology
Automatic opening mechanism is an option. With touch-to-open, all you have to do is apply light pressure to the front and the drawer opens. After the opening process, you decide for yourself how far the drawer should be open. Touch-to-open eliminates the need for container handles and side handles. The panels are smooth on all sides and offer maximum safety. Even when the drawers are open, the risk of injury is minimized because there are no protruding side edges or corners.

2. Smart-Close technology
As a standard, *elneos connect* offers Smart-Close technology. When closing, the drawer is braked over the last few centimeters and slides gently into the end position without hard impact.

3. Electronic central locking optional
On request, the containers are available with electronic central locking (transponder technology).

4. Roller container with special chassis
For special requirements in classrooms or in rough industrial environments, the *elneos connect* mobile pedestals have a reinforced metal chassis as standard. This reliably prevents the rollers from tearing out.

Technical versions
- All models alternatively in conductive version.
- Body made of direct-coated fine particle board with high-quality appearance and low noise level.
- Equipped with organizational steel drawers.
- Top drawer as standard with particularly high insert for writing utensils (40 mm) and improved partitioning; front height 1 U (U = height unit, 1 U = 50 mm).
- Drawer front heights from 2 U to 6 U.
- Suspended container can be mounted at any position of the aluminum table frame.
- All suspended containers are equipped with a stop-control function (only one drawer can be pulled out at a time).
- All roller containers have a Stop-Control-Plus function. This ensures that only one drawer can be opened when crossing door thresholds or the like. The drawers are locked so that they cannot be overridden. This prevents them from accidentally falling over.
- Drawers with a front height of 6 U are equipped with full extension as standard.
- Drawer useful depth 490 mm, alternatively 690 mm.
- High-quality full-extension drawer runner, 4-fold ball bearing, available for each drawer incl. self-cleaning function for long service life.

Multiple variants
- Roller container system width 430 mm
- Roller container system width 330 mm
- Suspended container system width 430 mm
- Suspended container system width 330 mm
- Pedestal system width 430 mm
- Pedestal system width 330 mm
- 19-inch containers
- PC pedestals

Roller Container

The main advantages
- Touch-to-open (opens with light pressure)
- Special trolley and 75 mm design rollers with very good running characteristics
- Convertible to hanging container
- Improved material tray
- Continuous top plate

Please replace the „x“ in the order number with the desired decor of the container.
Decor 1 *Non-conductive decor*
Front: front white
Body: graphite black
Decor 2 *Non-conductive decor*
Front: front white
Body: front white
Decor 3 *ESD version*
Front: front white
Body: front white
Rollers: ESD version

Roller container						
Depths	**Widths**	**Usable depth**	**Version A Divisions: 1 x 1 U, 3 x 3 U;**	**Version B Divisions: 1 x 1 U, 1 x 2 U, 1 x 3 U, 1 x 4 U;**	**Version C Divisions: 1 x 1 U, 3 x 2 U, 1 x 3 U;**	**Version D Divisions: 1 x 1 U, 1 x 3 U, 1 x 6 U;**
640 mm	430 mm	490 mm	ELC6.1.544.A.x	ELC6.1.544.B.x	ELC6.1.544.C.x	ELC6.1.544.D.x
640 mm	330 mm	490 mm	ELC6.1.534.A.x	ELC6.1.534.B.x	ELC6.1.534.C.x	ELC6.1.534.D.x
790 mm	430 mm	490 mm	ELC6.1.744.A.x	ELC6.1.744.B.x	ELC6.1.744.C.x	ELC6.1.744.D.x
790 mm	430 mm	690 mm	ELC6.1.746.A.x	ELC6.1.746.B.x	ELC6.1.746.C.x	ELC6.1.746.D.x
790 mm	330 mm	490 mm	ELC6.1.734.A.x	ELC6.1.734.B.x	ELC6.1.734.C.x	ELC6.1.734.D.x
790 mm	330 mm	690 mm	ELC6.1.736.A.x	ELC6.1.736.B.x	ELC6.1.736.C.x	ELC6.1.736.D.x

Note:
Container height: 612 mm (incl. rollers);
Drawer division indicated in U.

1 U = 50 mm, top drawer with extra deep insert for writing utensils as standard!

Options	
Full-extension drawer runner for drawer useful depth 490 mm	ELC6.9.1
Full-extension drawer for drawer depth 690 mm	ELC6.9.2
Touch-to-open instead of Smart-Close	ELC6.9.3
Electronic central locking	ELC6.9.4

Suspended Container

The main advantages
- Touch-to-open (opens with light pressure)
- Convertible to hanging container
- Improved material tray
- Mountable at any point of the frame

Please replace the „x“ in the order number with the desired decor of the container.
Decor 1 *Non-conductive decor*
Front: front white
Body: graphite black
Decor 2 *Non-conductive decor*
Front: front white
Body: front white
Decor 3 *ESD version*
Front: front white
Body: front white

Suspended container						
Depths	**Widths**	**Usable depth**	**Version A Divisions: 1 x 1 U, 3 x 3 U;**	**Version B Divisions: 1 x 1 U, 1 x 2 U, 1 x 3 U, 1 x 4 U;**	**Version C Divisions: 1 x 1 U, 3 x 2 U, 1 x 3 U;**	**Version D Divisions: 1 x 1 U, 1 x 3 U, 1 x 6 U;**
640 mm	430 mm	490 mm	ELC6.2.544.A.x	ELC6.2.544.B.x	ELC6.2.544.C.x	ELC6.2.544.D.x
640 mm	330 mm	490 mm	ELC6.2.534.A.x	ELC6.2.534.B.x	ELC6.2.534.C.x	ELC6.2.534.D.x
790 mm	430 mm	490 mm	ELC6.2.744.A.x	ELC6.2.744.B.x	ELC6.2.744.C.x	ELC6.2.744.D.x
790 mm	430 mm	690 mm	ELC6.2.746.A.x	ELC6.2.746.B.x	ELC6.2.746.C.x	ELC6.2.746.D.x
790 mm	330 mm	490 mm	ELC6.2.734.A.x	ELC6.2.734.B.x	ELC6.2.734.C.x	ELC6.2.734.D.x
790 mm	330 mm	690 mm	ELC6.2.736.A.x	ELC6.2.736.B.x	ELC6.2.736.C.x	ELC6.2.736.D.x

Note:
Container height 527 mm
drawer division specified in U.

1 U = 50 mm, top drawer with extra deep insert for writing utensils as standard!

Options	
Full-extension drawer runner for drawer useful depth 490 mm	ELC6.9.1
Full-extension drawer for drawer depth 690 mm	ELC6.9.2
Touch-to-open instead of Smart-Close	ELC6.9.3
Electronic central locking	ELC6.9.4

Pedestal

The main advantages
- Touch-to-open (opens with light pressure)
- Convertible to large roller container
- Improved material tray
- Mountable at any point of the frame

Please replace the „x“ in the order number with the desired decor of the container.
Decor 1 *Non-conductive decor*
Front: front white
Body: graphite black
Decor 2 *Non-conductive decor*
Front: front white
Body: front white
Decor 3 *ESD version*
Front: front white
Body: front white

Pedestal						
Depths	**Widths**	**Usable depth**	**Version A Divisions: 1 x 1 U, 3 x 3 U;**	**Version B Divisions: 1 x 1 U, 1 x 2 U, 1 x 3 U, 1 x 4 U;**	**Version C Divisions: 1 x 1 U, 3 x 2 U, 1 x 3 U;**	**Version D Divisions: 1 x 1 U, 1 x 3 U, 1 x 6 U;**
640 mm	430 mm	490 mm	ELC6.3.544.A.x	ELC6.3.544.B.x	ELC6.3.544.C.x	ELC6.3.544.D.x
640 mm	330 mm	490 mm	ELC6.3.534.A.x	ELC6.3.534.B.x	ELC6.3.534.C.x	ELC6.3.534.D.x
790 mm	430 mm	490 mm	ELC6.3.744.A.x	ELC6.3.744.B.x	ELC6.3.744.C.x	ELC6.3.744.D.x
790 mm	430 mm	690 mm	ELC6.3.746.A.x	ELC6.3.746.B.x	ELC6.3.746.C.x	ELC6.3.746.D.x
790 mm	330 mm	490 mm	ELC6.3.734.A.x	ELC6.3.734.B.x	ELC6.3.734.C.x	ELC6.3.734.D.x
790 mm	330 mm	690 mm	ELC6.3.736.A.x	ELC6.3.736.B.x	ELC6.3.736.C.x	ELC6.3.736.D.x

Note:
Container height 647 mm
drawer division specified in U.

1 U = 50 mm, top drawer with extra deep insert for writing utensils as standard!

Options	
Full-extension drawer runner for drawer useful depth 490 mm	ELC6.9.1
Full-extension drawer for drawer depth 690 mm	ELC6.9.2
Touch-to-open instead of Smart-Close	ELC6.9.3
Electronic central locking	ELC6.9.4

19-inch Container and PC Pedestals

Please replace the „x“ in the order number with the desired decor of the container.
Decor 1 *Non-conductive decor*
Front: front white
Body: graphite black
Decor 2 *Non-conductive decor*
Front: front white
Body: front white
Decor 3 *ESD version*
Front: front white
Body: front white

19-inch container (13 HP)			**PC pedestal**		
Depths	**Widths**	**Order no.**	**Depths**	**Widths**	**Order no.**
640 mm	525 mm	ELC6.4.550.A.x	640 mm	270 mm	ELC6.5.520.A.x
790 mm	525 mm	ELC6.4.750.A.x	790 mm	270 mm	ELC6.5.720.A.x

PC holder	**Order no.**
variable width (W x D x H) 166 – 226 x 450 x 80 mm; left or right mountable;	ELC6.6.257

Options 19-inch upright container (container height: 647 mm)	
Closed front door for 19 inch pedestal incl. lock and handle	ELC6.9.5
Glass door for 19 inch floor standing container incl. lock and handle	ELC6.9.6
Options PC pedestal (container height: 647 mm)	
Closed front door for PC pedestal incl. lock	ELC6.9.7
Glass door for PC pedestal incl. lock	ELC6.9.8

Drawer Equipment

Form filing sets
Adjustable in angle; black plastic; for clean filing of DIN A4 pages;

Hanger frame
Steel nickel-plated, plastic black; for hanging of DIN A4 suspension files and folders;
- Drawer front height 6 U
- Including dividers
(1 for useful depth 490 mm, 2 for useful depth 690 mm)

Stamp holder
Steel powder coated black; for 8 stamps and date stamps;

Form filing records		
Equipment	**Size**	**Order no.**
Form filing set 6-fold consisting of: • 6 form trays • 4 dividers	for drawers with useful width 327 mm, useful depths 490 or 690 mm and container width 430 mm	ELC6.8.301
Form filing set 11-fold consisting of: • 11 form trays • 8 drawer dividers	for drawers with useful width 327 mm, useful depth 690 mm and container width 430 mm	ELC6.8.302

Plug-in hanging frame			Flexible Materialschale/Stempelhalter	
Sizze	**Depths**	**Order no.**	**Sizze**	**Order no.**
for useful width 327 mm and container width 430 mm	490 mm	ELC6.8.305	327 x 110 x 30 mm and container width 430 mm	ELC6.8.309
	690 mm	ELC6.8.306		ELC6.8.307

Dividers	Type	Equipment	Size	Order no.
	**Separator** double-walled with lateral catches for firm locking in the side wall	Steel powder coated black	327 x 10 x 76 mm	ELC6.8.102
		Plastic black	327 x 10 x 76 mm	ELC6.8.103
	**Compartment divider**	Steel powder coated black	A4: 310 x 1 x 72 mm	ELC6.8.104
			A5: 220 x 1 x 72 mm	ELC6.8.105
			A6: 150 x 1 x 72 mm	ELC6.8.106
			A7: 110 x 1 x 72 mm	ELC6.8.107
	**Cardboard bridge** (2 pieces required) with lateral catches for locking in the side wall	Steel powder coated black	327 x 65 x 78 mm	ELC6.8.202
	**Pendulum plate** for insertion into 2 cardboard boxes	Steel powder coated black	A4 quer: 317 x 1 x 210 mm	ELC6.8.203
			A5 quer: 227 x 1 x 148 mm	ELC6.8.204
			A6 quer: 167 x 1 x 105 mm	ELC6.8.205

Order example with Order no. ELC6.8.403

Flexible material tray
Plastic black; for to be placed in steel drawer;

Drawer inserts
Plastic drawer inserts are used for the orderly storage of small parts and tools. Suitable for the drawer useful depth 490 mm, there are 6 inserts and 1 supplementary insert for the drawer useful depth 690 mm.

Drawer inserts	Equipment	Container width	Size	Order no.
	Drawer insert • with 3 compartments • for tools	430 mm	327 x 490 x 40 mm	ELC6.8.401
	Drawer insert • with 4 compartments • for tools	430 mm	327 x 490 x 40 mm	ELC6.8.402
	Drawer insert • with 6 compartments • for tools	430 mm	327 x 490 x 40 mm	ELC6.8.403
	Drawer insert • with 8 compartments • for tools	430 mm	327 x 490 x 40 mm	ELC6.8.404
	Drawer insert • 2-piece • with 30 compartments • for small parts	430 mm	327 x 490 x 40 mm	ELC6.8.405
	Drawer insert • 2-piece • with 25 compartments • for small parts	430 mm	327 x 490 x 40 mm	ELC6.8.406
	Supplementary insert for drawer depth 690 mm • with 3 compartments	430 mm	327 x 200 x 40 mm	ELC6.8.407

Imprint
erfi Ernst Fischer GmbH + Co. KG
Alte Poststraße 8, 72250 Freudenstadt, Germany
Phone +49 (0) 7441 9144-0
Telefax +49 (0) 7441 9144-477
erfi@erfi.de
www.erfi.de

Product Design: erfi Ernst Fischer GmbH + Co. KG | studio heyho! GbR
Marketing & Creation: Prof. Petra Müller-Csernetzky

Technical and formal changes reserved.
The catalog contains illustrations which may include
optional equipment.

EOC-21-MC03-EN

erfi Ernst Fischer GmbH+Co. KG
Alte Poststrasse 8
72250 Freudenstadt • Germany
Phone +49 (0) 7441 9144-0
erfi@erfi.de • www.erfi.de

technoLASA
Via Max Planck, 1
39100 BOLZANO - Italy -
tel +39 0471 305400
www.*techno*LASA.com
www.erfi.it