



**Fully withdrawable is our standard...
safety is our promise!**



IDS – Technology GmbH Safety. Efficiency. Innovation.

IDS-Technology has been operating since 2006. The focus of the company is on development and engineering concerning electrotechnical products for industrial plants.

A team of specialists with individual experience of 20 years in development and daily practice brought their ideas and knowledge together to create a more efficient solution for modular switchboards, especially for Motor-Control-Centre (MCC) in fully withdrawable-technology or semi-withdrawable type.

Premium Quality made in Germany IDS-Technology Bitburg, Germany

The switchgear-integration-kit „E-CON“ (energy-control) enables panel builders to easily convert their fixed mounted switch-boards to a modular withdrawable-technology with all its technical advantages concerning safety and availability.

The switchgear-integration kit „E-CON“ has a lot of features and new technologies which will offer you several characteristics to achieve an advantageous position in that field of business. IDS-Technology cooperates with strategic partners worldwide, offering them technical and economic advantages through our innovative solutions.

Our safety-philosophy:

Inspired and convinced by the safety-philosophy of important industrial producers the switchgear-integration kit „E-CON“ is setting new limits to avoid an arc-fault.

The solution of IDS-Technology does its work already at the very 1ST LINE of defense by the motto is focused on prevention to reach the aim: **“give an arc-fault no chance”.**





„E-CON“ (energy-control)

40+



Licensed partners
around the world

200.000+



Successfully integrated
components

100%



System successfully
established in the market
(over 15 years)

100%



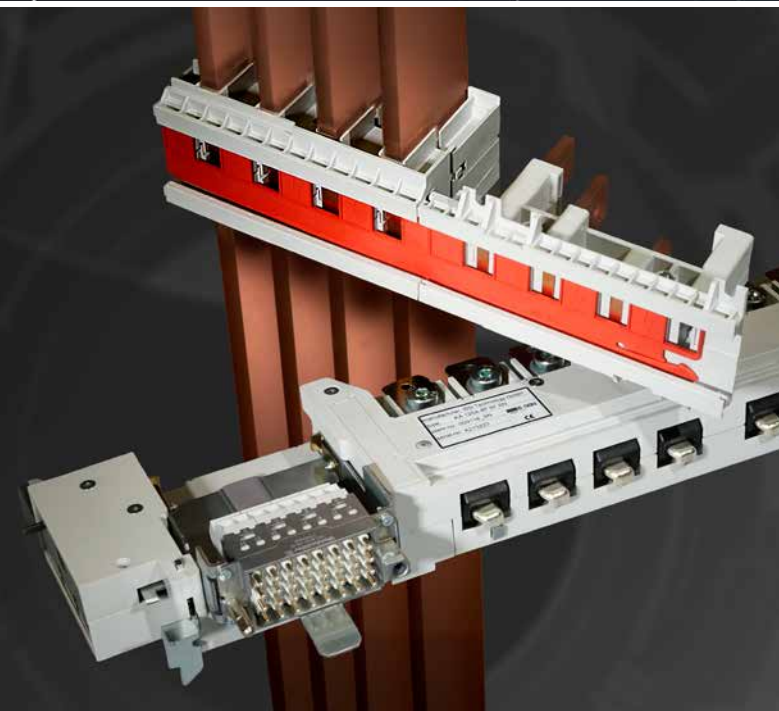
Patented technology

IDS

E-CON – products & solutions from IDS-Technology
Fully withdrawable is our standard – safety is our promise!

E-CON
s.i. by IDS

E-CON
modular by IDS



E-CON s.i.

Only 3 components for a fully withdrawable switchboard system

E-CON modular

Only a few components for a fully withdrawable switchboard system with maximum flexibility



Would you like to implement a high degree of flexibility and a customized design?

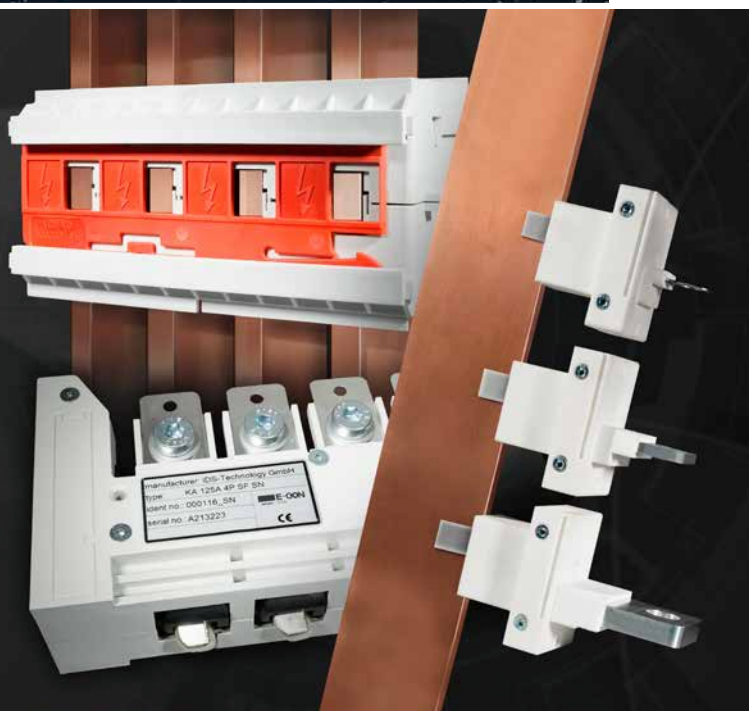
Would you like to continue using your own slide-in technology without any restrictions and keep the economic efficiency in your own hands?

We from IDS-Technology have the solution and offer you all the support you need!

We present our product series E-CON **s.i.**, E-CON **modular** and E-CON **smart**.

Economic Advantages:

- **Exclusive Access:**
Limited number of licensees ensures reduced competition among partners.
- **Global Market Potential:**
The system can be marketed and implemented worldwide, with no regional restrictions.
- **Cost Efficiency:**
Offers a substantial price advantage combined with superior and advanced technology.
- **Unique Selling Proposition:**
Distinctive features set the system apart from all competitors.
- **Flexibility:**
Compatible with electrical components from any manufacturer, providing maximum adaptability.
- **Value Creation:**
High potential for partners to generate added value through customized solutions.



E-CON smart

The smart solution for efficient energy tapping

E-CON s.i.

(energy-control; solution integrated)

Only 3 components for a fully withdrawable switchboard system

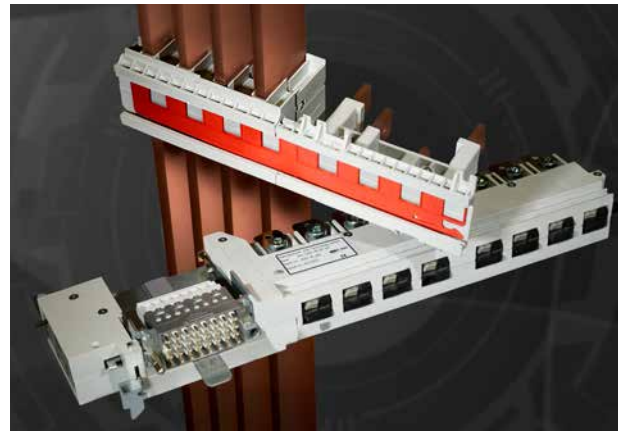
(contact module, cable module, busbar module)

The contact module provides all the essential functions of a traditional drawer unit, including:

- Two 4-pole power pressure contacts (up to 630 A)
- Control plug holder for all kind of brands
- Mechanical test and operating positions
- Necessary mechanical interlocks for fail-safe operation

This standardized module, with a single consistent size (up to 315 A), minimizes mechanical effort and simplifies system configuration.

By combining the contact module with electrical switching and protection devices mounted on a common metal plate, a new draw-out technology is created.



This modular approach allows:

- Motor starters up to **22 kW** to fit into a **75 mm unit height**
- Components up to **250 kW** to fit into a **225 mm unit height**





The movable and switchable *contact module*, together with the insulators of the vertical bus section (*busbar module*) and the cable connection side (*cable module*), forms an **arc-ignition protected zone**, ensuring maximum safety and reliability.



IDS



IDS





E-CON modular

(energy-control; modular)

**Only a few components for
a fully withdrawable switchboard system
with maximum flexibility**

(contact module, power clip, cable module, interlocking module, control plug slide unit)

The **E-CON modular** system integrates all essential features of conventional withdrawable technology in a modern, flexible concept.

- Flexible pole positioning
- Patented Lambda contact system (up to 630 A)
- Control plug holder compatible with all kind of brands
- Mechanical test and operating positions
- Necessary mechanical interlocks for fail-safe operation

The Power Clip is the key part of the draw-out system. It connects to the vertical busbar strongly and safely “just like a screw connection” but allows quick and easy operation.

Flexible system design

The modular concept enables highly adaptable configurations:

- From a simple **power tap** to a fully **withdrawable unit**, all based on the same platform
- Components and functions can be **easily combined and extended** as required
- **E-CON modular** seamlessly adapts to existing **busbar systems**, ensuring compatibility and easy integration

The contact follows the position of the existing busbars, no matter the height, width or location. The modular design lets you start with a simple power tap and expand to a fully withdrawable unit. You can combine and add components as needed.

E-CON modular system defines a new generation of withdrawable technology.



E-CON smart

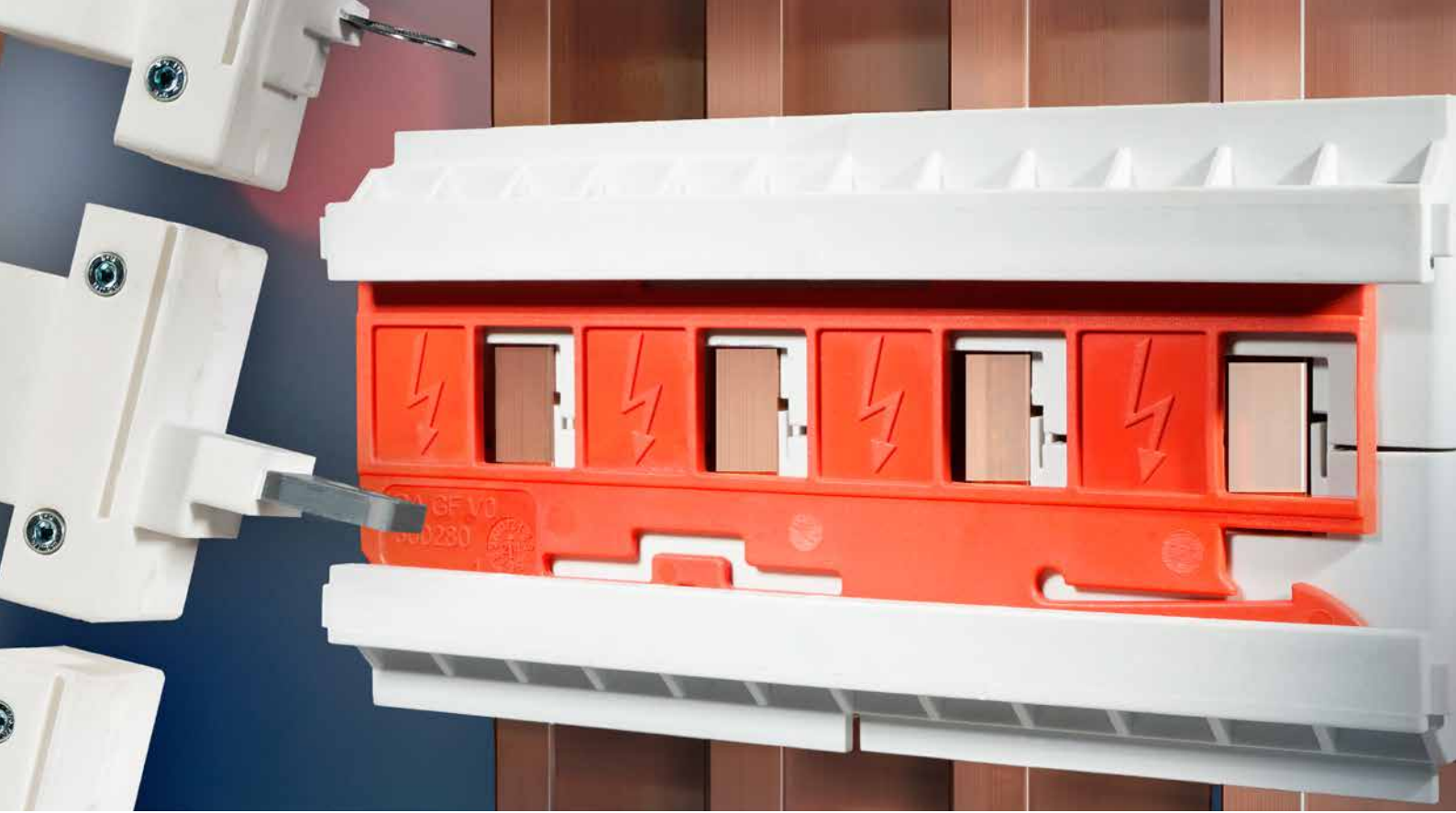
(energy-control; smart)

The smart solution for efficient energy tapping

E-CON **smart** is based on the proven E-CON **s.i.** product line and the new E-CON **modular** series. This product variant offers a cost-effective solution specifically designed for energy tapping from main busbars.

With the same technological foundation, E-CON **smart** ensures high safety, reliability, and user convenience — while reducing material and installation effort. The system can be easily integrated into existing installations and provides an economical alternative when a fully withdrawable MCC system is not required.

E-CON smart – the ideal choice for applications where efficiency, cost awareness, and safety are top priorities.



Switchgear **Components**

In addition to our IDS E-CON system, we offer well-designed and practical switchgear components that ensure maximum safety, flexibility, and operational reliability. Our solutions are specifically developed for professional use in switchgear and control cabinet construction and offer simple installation and high functionality.



ELD (EASY LOCKING DEVICE)

The ELD (Easy Locking Device) provides a simple, secure, and flexible locking solution for a wide range of applications.

Thanks to the highly flexible Bowden cable, the ELD can be easily mounted on the shaft and routed flexibly to the desired locking position. Its high flexibility allows for quick installation even in confined spaces within electrical cabinets.

Available Bowden cable lengths:

- 21 cm
- 25 cm
- 30 cm
- 60 cm

Suitable for shaft sizes:

- 5 × 5 mm
- 6 × 6 mm
- 8 × 8 mm
- 10 × 10 mm
- 12 × 12 mm

This variety of options provides the ELD with maximum adaptability for different installation situations.

Your advantages at a glance:

- Highly flexible Bowden cable
- Quick and easy installation
- Available in different lengths
- Compatible with various shaft sizes
- Robust and durable design



CODE SET

Our mechanical coding system (Coding Device) ensures maximum operational safety and reliably prevents incorrect insertions.

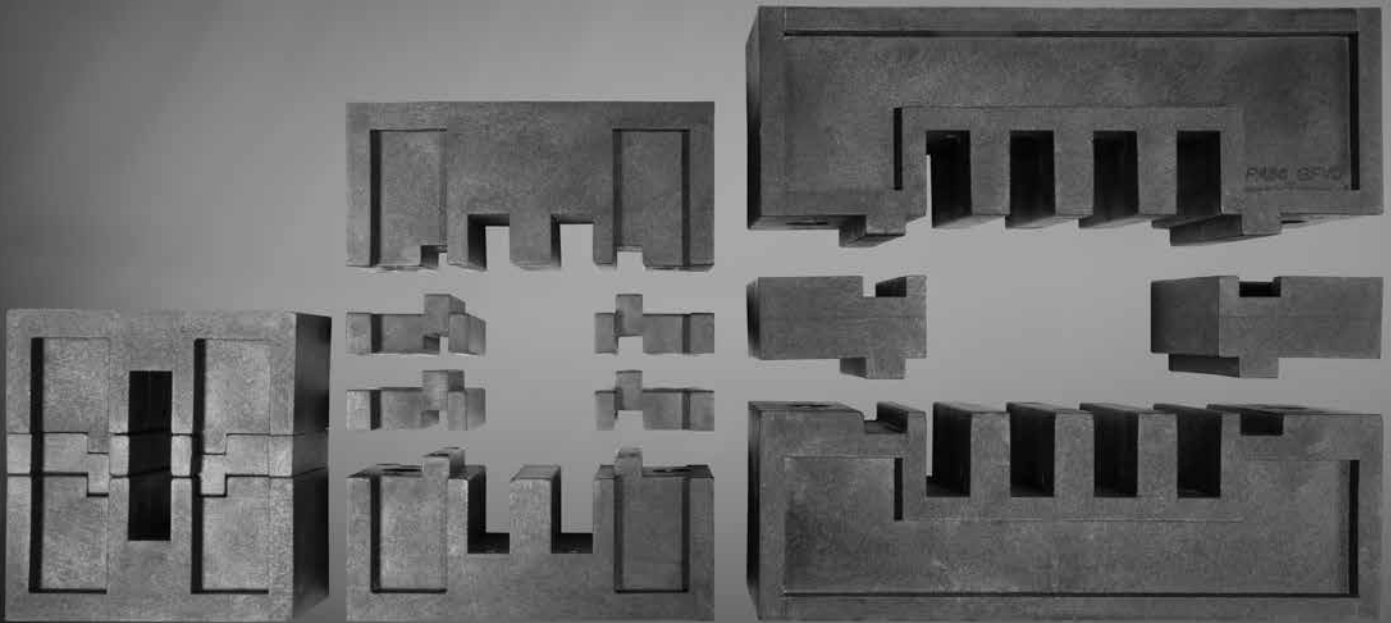
The system is equipped with three adjustable coding pins. Each individual coding pin offers 10 setting positions (0–9) and can be adjusted easily and conveniently.

By combining 3 pins with 10 positions each, the system provides:

1000 different coding combinations. This ensures that only modules with the correctly set coding can be inserted into the designated slot.

Advantages:

- Increased system and operational safety
- Prevention of operating errors
- up to 1000 coding options
- Easy adjustment
- Clear numbering from 0–9

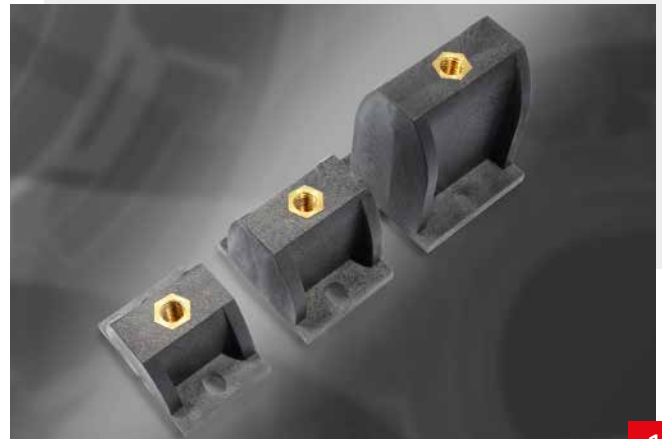
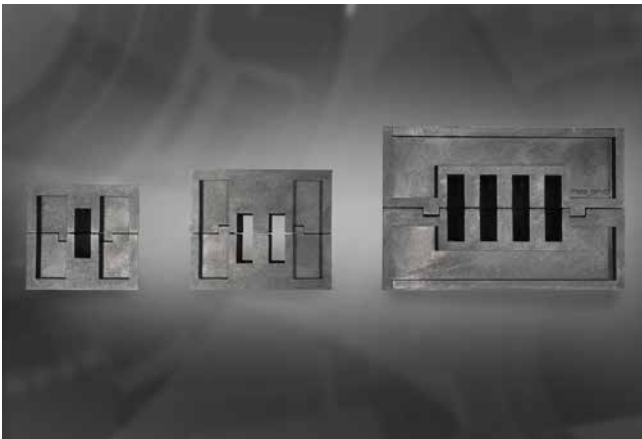


BUSBAR SUPPORT UNIPOL

The Unipol busbar modules provide a reliable solution for structured power distribution in modern switchgear systems. They enable compact, safe, and flexible integration into existing power distribution systems and are ideally suited to the requirements of industrial control cabinet construction.

Features of the Unipol busbar modules:

- Robust industrial design
- Easy integration
- Space-saving construction
- Optimized for power distribution and switchgear applications



History **IDS-Technology**

Milestones & Major Projects of IDS-Technology GmbH

Foundation 2006

Foundation of IDS-Technology GmbH. The beginning of innovative visions in the sector of industrial technologies.

Patented Innovation 2008

Successful patent application – an early demonstration of the company's inventive spirit and technical expertise.



Type Testing of E-CON s.i. 2009

The successful completion of type testing in accordance with IEC 60439 is a significant milestone in the development process.

Market Entry 2010

After four years of development, IDS-Technology begins its commercial activities with innovative products.

First Major Project 2011

First major project in the cement industry in Lithuania via Feag Bremen / Siemens. The company establishes itself as a reliable partner in the industrial sector.



Power Plant Project, Czech Republic 2012

Power station project in the Czech Republic via Elpro / ABB. Expansion of the company's international presence in the energy sector.

Cement Plant Thailand 2013

Cement Plant Thailand (TPI) via Electrotel / Siemens. Strengthening of international operations across Asia.

ISO Certification & Metro São Paulo 2014

Certification according to ISO 9001:2015 – proof of the company's commitment to quality and process efficiency. **Major Project:** Metro São Paulo via SINER – reliable energy solutions for urban public transport systems.



Expansion & Nuclear Power Plant Chernobyl 2015

Moving to a new company facility to increase production capacity.

Major project: Chernobyl Nuclear Power Plant (Sarcophagus), via Haber Energia: protecting the population from nuclear radiation.

Here we would like to give you an insight into our history and the further development of IDS-Technology. We hope you enjoy our presentation. Feel free to contact us – we are always available for questions and suggestions.

Patent Expansion & Metro Riyadh 2017

Extension of the existing patent for a new electrical energy contacting system for medium voltage applications.

Major Project: Metro Riyadh via Alfanar, Schneider, and Siemens – power supply systems for a modern metropolis.

Warehouse Expansion 2019

Expansion of warehouse facilities to optimize logistics and material flow – preparing for future growth.

Power Plant India 2020

Major Project: Power Plant Patratu NTPC, India via C&S – contributing to sustainable energy supply in South Asia.



Al-Haram Mosque, Mecca 2022

Major Project: Extension and modernization of the Al-Haram Mosque, Mecca via Alfanar – advanced technological solutions for one of the world's most renowned landmarks.

Development of "E-CON modular" 2023

Start of development for the new product generation "E-CON modular" – innovation through modular and flexible system solutions.



Market Launch of "E-CON modular" & Hydro Power Plant Paraguay 2024

Market launch of the new product line, accompanied by a patent application.

Major project: The Mega Hydro Power Plant in Paraguay, via SENER and GE (2024–2025): generating sustainable energy on a global scale.

Oil & Gas Production Aramco 2025

Major Project: Oil & Gas Production Aramco via Alfanar – technological contributions to the energy supply of the future.

Generational Change 2026

Transition of company management to Domenic Molitor and Jonas Meyer. The next generation takes over – ensuring continuity, innovation, and future growth.



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WE INVEST IN QUALITY!

Our quality management system
is tested and certified by
TÜV Rheinland.

(Rhineland-Palatinate, Germany)



Management
System
ISO 9001:2015

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