

Main distribution board

unimes.ME, Aim high in your electrical projects



:hager

To create potentials and embrace the challenges for tomorrow, Hager introduces its groundbreaking low voltage main distribution board unimes.ME - the cornerstone for all electrical installations.

unimes.ME main distribution boards provide comprehensive range of solutions that caters to versatile project requirements.

With unimes.ME, Hager stands rigid to its coherent brand promise of being the partner for smart solutions you can trust.



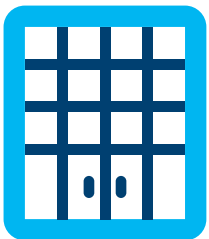


Compliant with IEC 61439-1 / -2

The specialist for your electrical installations

Our certified and tested electrical solutions meet specific project requirements and provide reliable distribution and control of power. This guarantees the highest consistency at a maximum level of safety and trouble-free operation in diverse types of application.

Multi- Residential



Offices



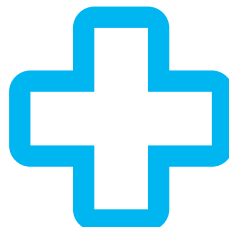
Hotels



Retail



Healthcare



Education





Complete solutions from the main distribution system to the power outlet

From 1955 Hager has been synonymous with extensive range of products for electrical installation systems. Since then, we have consistently expanded our range of products to offer complete solutions.

01

As a specialist in smart energy supply, Hager offers EV manufacturers and users innovative solutions for public or private charging systems.



03

Hager Invicta Panel Boards are type tested as per the latest IEC standards and they provide a convenient and flexible solution to the installer with utmost safety.



02

Hager main distribution boards provide the peace of mind of a proprietary system developed and designed specifically for residential and commercial applications.



04

Hager provides a complete range of final distribution boards from SPN Consumer Units, TPN Type B distribution boards to Row-type DIN rail distribution boards.



05

Klik is a unique & secure connection system that brings plug-in convenience and versatility for lighting.



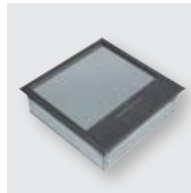
06

Hager motion and presence detectors are ideal for controlling lighting minimizing the energy usage of the area.



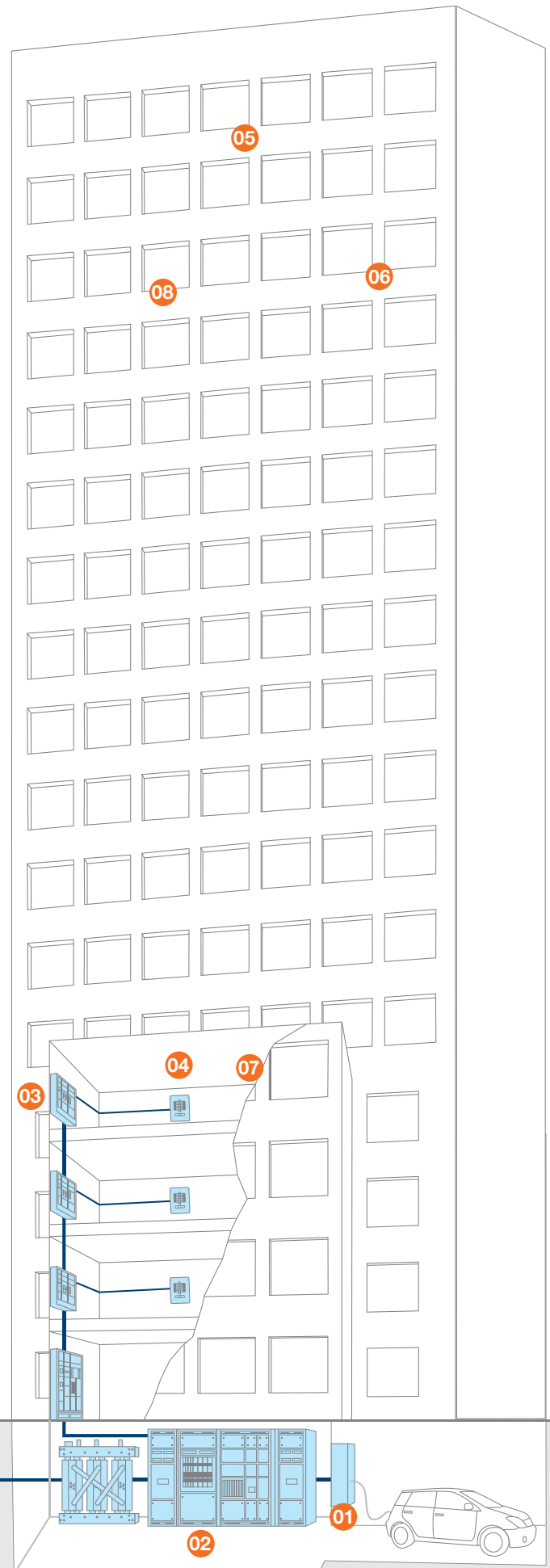
07

An ideal solution for distributing low voltage power & VDI communications cables within new installations & renovations.



08

Hager provides a complete spectrum of wiring accessories ideal for residential and commercial applications with a vivid range of style and aesthetics.



The right enclosure for every level of power distribution

Main Distribution Boards



quadro+



unimes.ME

Sub-main Distributions Boards



invicta Panel boards



quadro 4



quadro 5

Final Distribution Boards



invicta DR boards



invicta TPN boards

Consumer Units



invicta consumer units with busbars



invicta consumer units without busbars

unimes.ME - high level of flexibility with maximum safety and functionality



Flexible

The distribution boards are optimized for different configurations and requirements and have the ability to expand if required in the future.

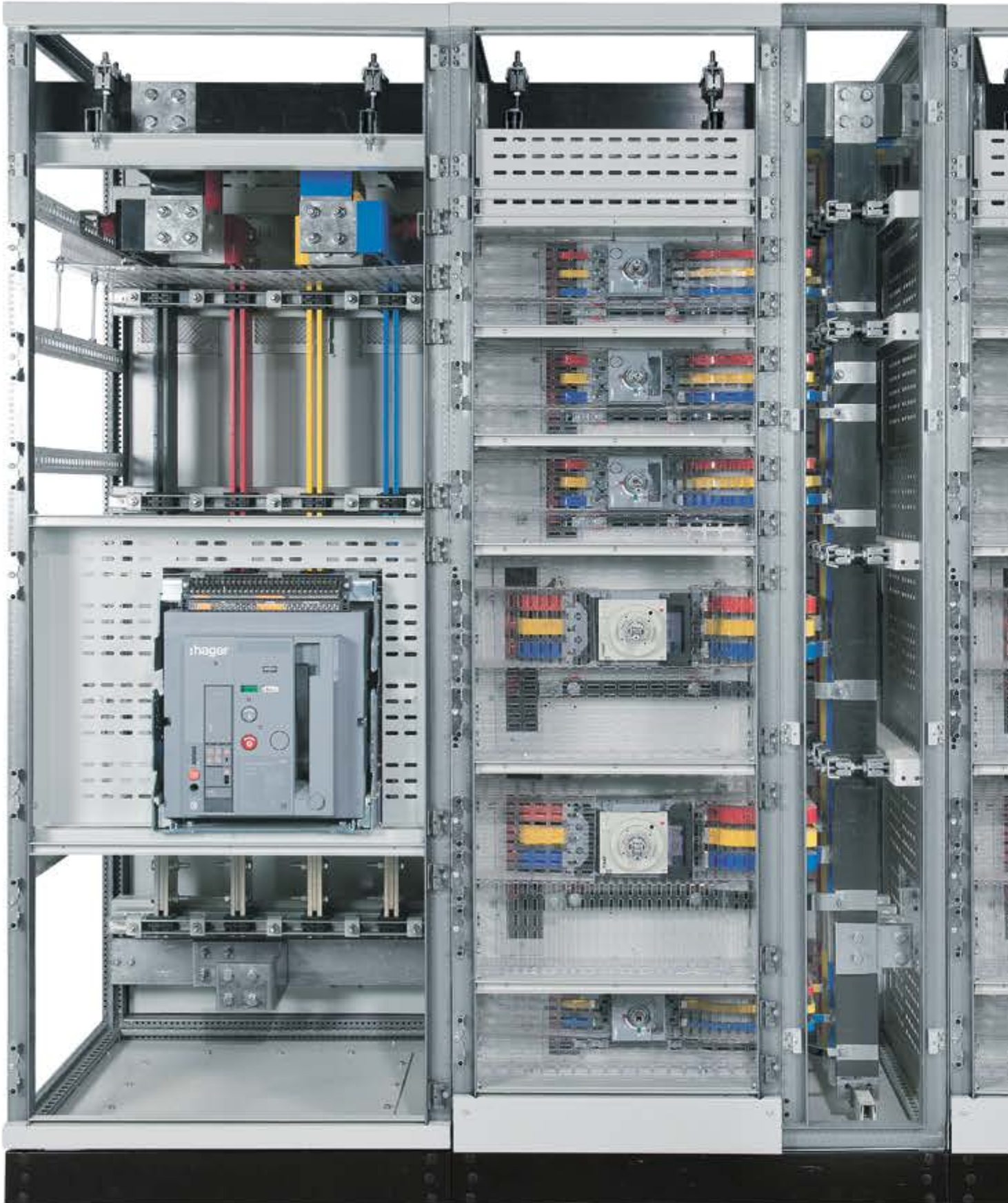
Safe

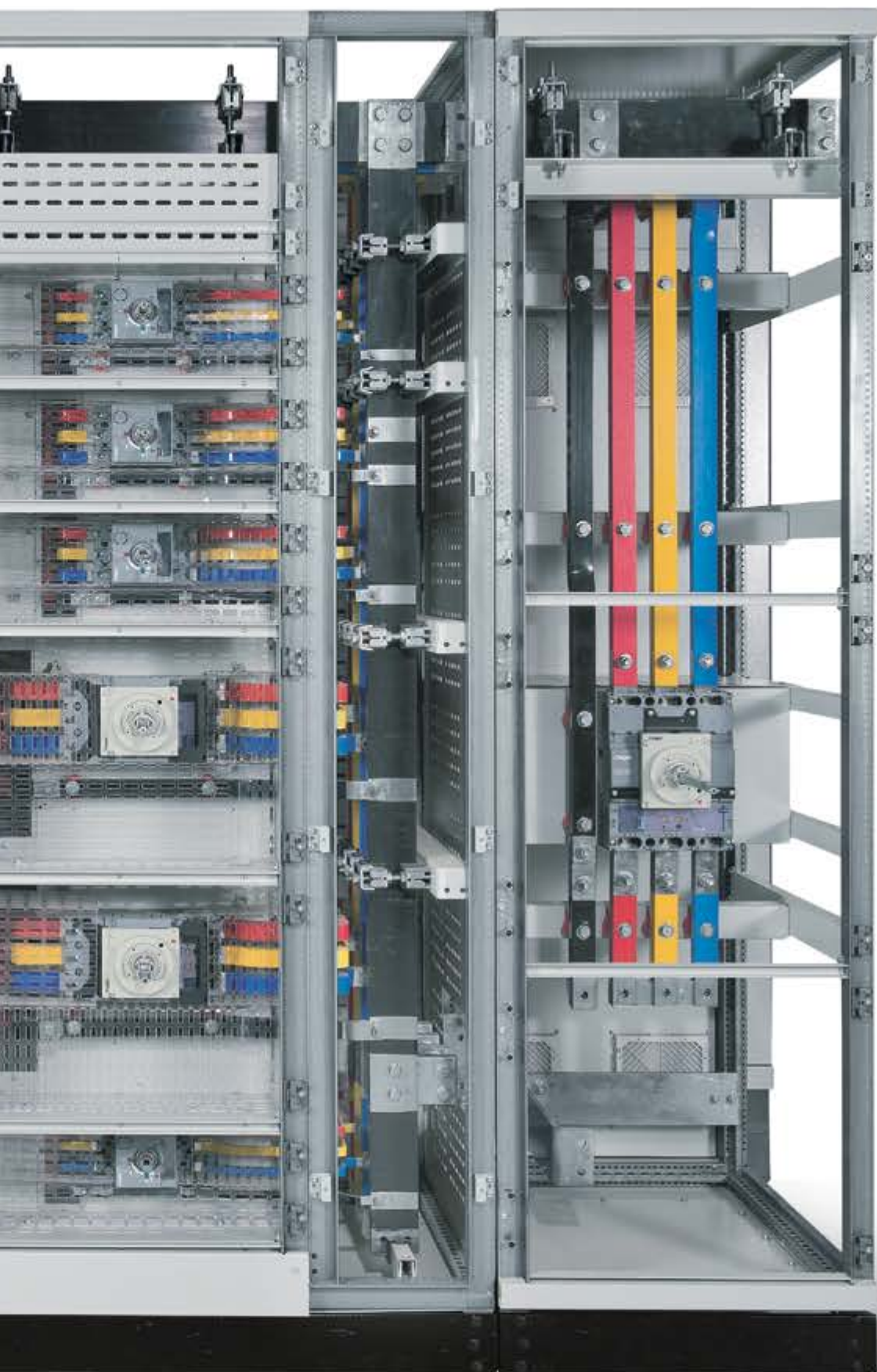
unimes.ME complies with the most stringent safety criteria set by IEC standards to provide maximum safety of equipment and personnel.

Functional

unimes.ME switchboards are among the most compact in the market. They are pre assembled in accordance with panel builder requirements to save on assembly time.

**True greatness
is shown in the details**







Structure

Just two cabinets form the basis of unimes.ME, providing a simple and flexible system. The profiles are fitted with unique corner pieces offering maximum rigidity.

Partitions

Internal metallic and non metallic partitions up to form 4b provide maximum protection against direct contact with any live parts. The form 4b partition also limits contact with solid bodies (e.g. working tools)



Ingress protection

Distribution boards must be able to operate reliably for many years under difficult environmental conditions. With an IP54 rating, unimes.ME provides complete safety from foreign solid bodies or liquids.

Busbar system

Busbars are enclosed in fully partitioned compartments. They consist of one or more copper bars per phase held by functional busbar supports. The main busbars are mounted horizontally while the distribution busbars are mounted vertically to enable front and rear access to the busbars.



Busbar support

The unimes.ME is fitted with type tested busbar supports suitable for copper bars. Together, they support a current of up to 2500A and a short-circuit current of 50kA (3sec). The optimum arrangement of the busbars reduces power dissipation and increases the safety of installations.

Busbar coupling

The ample space in the main busbar chamber provides easy and safe coupling between the different enclosures. This reduces the assembly time and also increases the safety of operation.



A robust range to offer comprehensive solutions

Air circuit breakers

The H3 and HW ACBs offer a wide choice of products. Compliant with the IEC 60947-2 standard, they provide flexibility and top performance operation.

Ratings: from 630A to 6300A
Breaking capacity: 50kA to 120kA



Moulded case circuit breakers

The ranges H3 and H3+ comply with the IEC 60947-2 standard, offering a large selection of products to match any project specification.

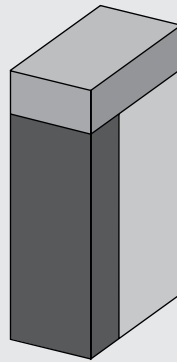
Ratings: from 16A to 1600A
Breaking capacity: 18kA to 70kA

Metering devices

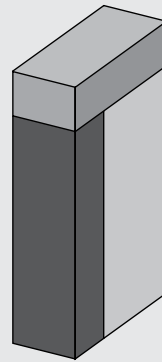
Our range of intelligent meters have wide functions of measurement, energy management, harmonics analysis, communication and detection of high voltages, peaks and voltage disconnections.



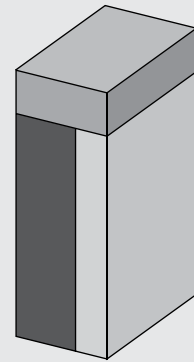
- Functional units
- Cable / Busbar
- Main Busbar



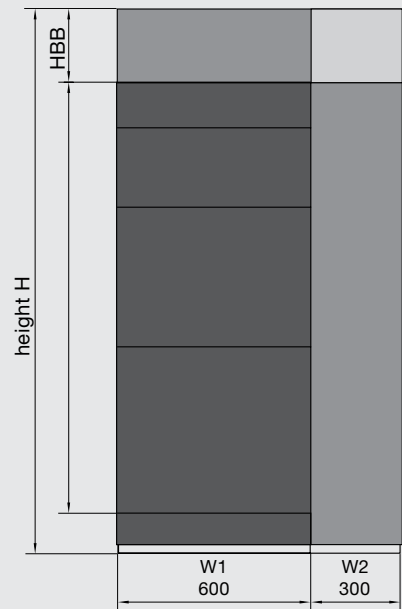
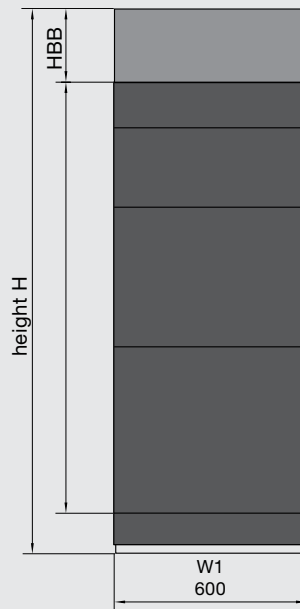
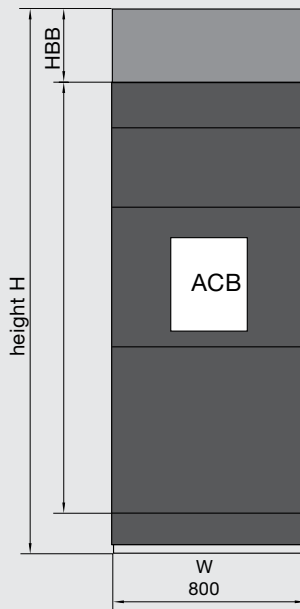
ACB Panel



MCCB Panel



MCCB Panel



Width	800 mm	600 mm	900 mm
Height (with plinth)	2200 mm	2200 mm	
Depth	800 mm	800 mm	
Horizontal busbar (HBB)	350 mm	350 mm	

Rigorously tested for peace of mind

Design-verified according to international standard for performance and safety IEC 61439-1 and 2 by a third party certification organization to ensure maximum personnel and system safety:

No.	Characteristics to be verified	Clause as per IEC 61439
1	Strength of materials and parts	10.2
2	Degree of protection of enclosures	10.3
3	Clearance and creepage distances	10.4
4	Protection against electric shock and integrity of protective circuits	10.5
5	Incorporation of switching devices and components	10.6
6	Internal electrical circuits and connections	10.7
7	Terminals for external conductors	10.8
8	Dielectric properties	10.9
9	Temperature rise limits	10.10
10	Short circuit withstand strength	10.11
11	Electromagnetic compatibility	10.12
12	Mechanical operation	10.13

Technical characteristics of highest level

Mechanical characteristics

Degree of protection	In accordance with IEC 60529	
	External	IP54
	Internal	IP XXB
Forms of separation	as per IEC 61439-2	upto Form 4b
Dimensions	Height (mm)	2200 (with plinth)
	Width (mm)	600, 800, 900 (600+300)
	Depth (mm)	800
Surface treatment	Internal Components	Powder coated / Painted
	External Components	Powder coated /Painted
Resistance to corrosion IEC 61439-1 / 10.10.2	Damp heat cycling test	IEC 60068-2-30
	Salt mist test	IEC 60068-8-11
Resistance of insulating materials IEC 61439-1 / 10.2.3.2	Glow wire test	IEC 60695-2-11

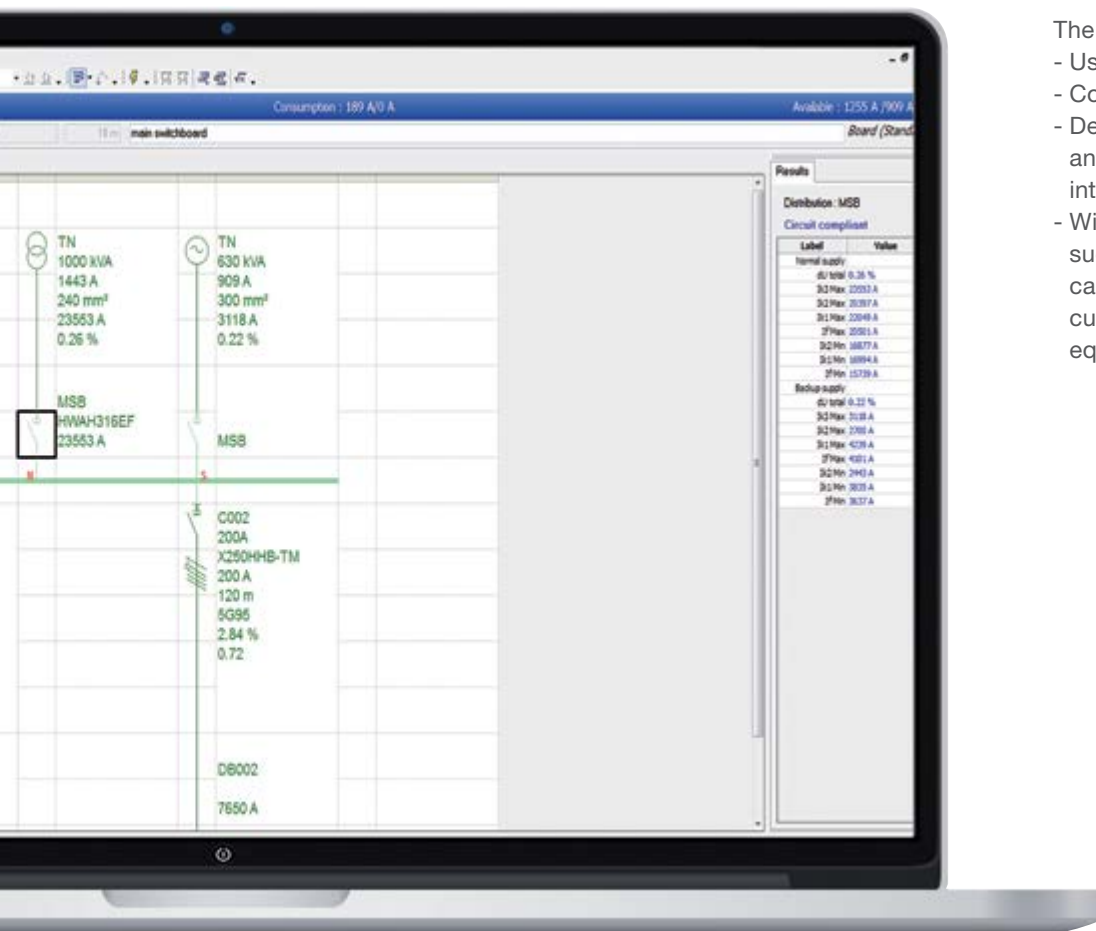
Electrical characteristics

Standards		IEC 61439
Voltage ratings	Rated operational voltage (U_e)	415 VAC
	Rated insulation voltage (U_i)	upto 1000 VAC
	Rated impulse withstand voltage (U_{imp})	8 KV
	Rated frequency (f_n)	50 / 60 Hz
Current ratings	Main Horizontal busbars	
	Rated current (I_{na})	upto 2500 A
	Rated peak withstand current (I_{pk})	upto 105 kA
	Rated short-time withstand current (I_{cw})	50 kA, 3 s

The right planning tools to help you all the way

ElcomNet

As a state-of-the-art software, elcomnet is designed to calculate low voltage electrical installations in accordance to IEC standards. The software performs all calculations for short circuit, discrimination study, backup study, voltage drop, protective device sizing and cable sizing.



The Benefits at a glance:

- User friendly interface
- Compliant with IEC 60364 standards
- Determines the optimum solution and guarantees compliance to international standards
- Wide variety of reports available such as single line diagrams, calculation sheets, discrimination curves, circuit specifications and equipment lists.

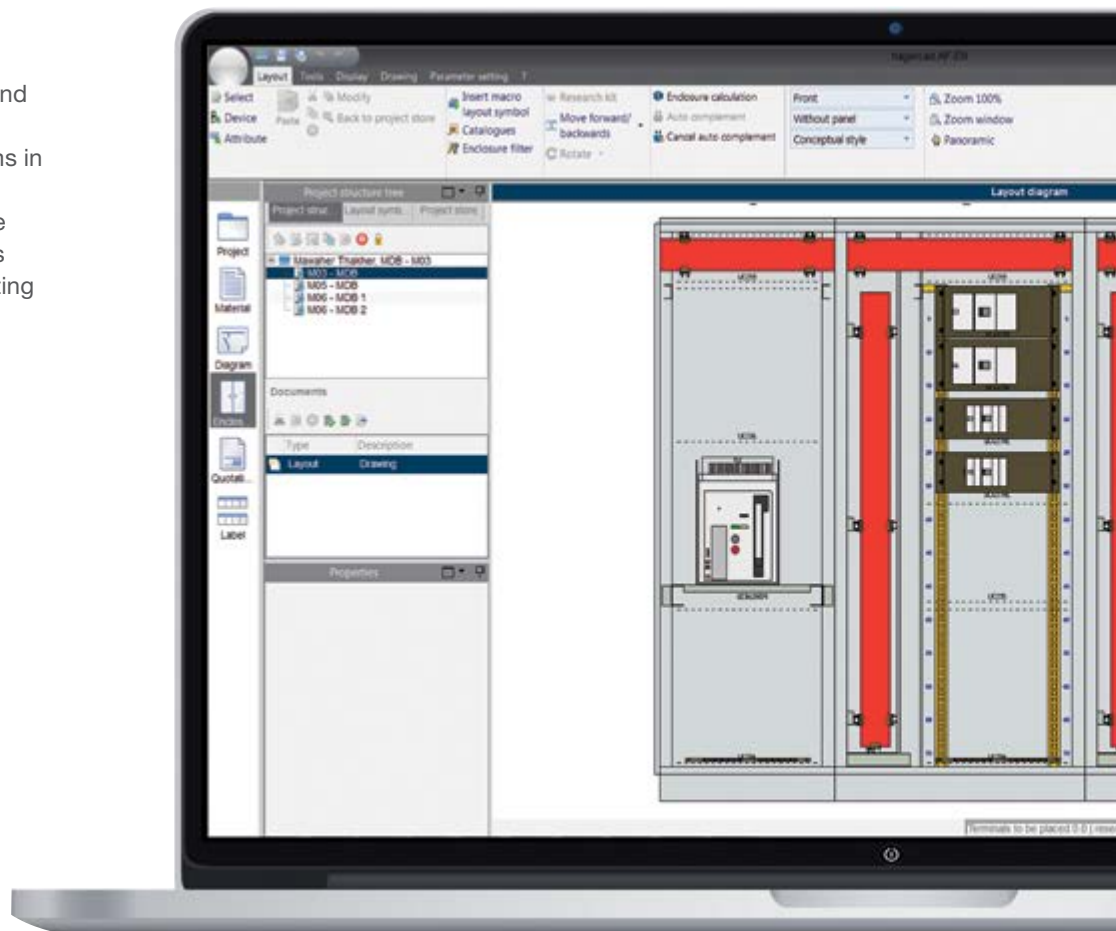
hagercad

As an effective planning and design software for low voltage electrical systems, hagercad is an intelligent tool that makes your working day much easier.

Use hagercad to generate multi-line or single-line plans with zero fuss. Whether you are planning or working on cabinet calculations, hagercad is fast, accurate and logical.

The Benefits at a glance:

- Intuitive user-interface
- Quick access to product data and catalogues
- Create multi-line circuit diagrams in table or page view
- Automatically proposes suitable cabinets for the defined devices
- User-friendly functions for creating devices labels



By your side from the start to the finish line

As a proven supplier of products and solutions, we ensure your projects run uninterrupted and seamlessly. Our team is technically well versed to plan and execute all types of energy distribution installations from the main to the final distribution board. We also provide tailored solutions according to each customer's requirements. For more details, please contact info.me@hager.com





Our journey in the Middle East

Hager Group is a leading provider of solutions and services for electrical installations in residential, commercial and industrial buildings. Our range of solutions and services extends from energy distribution to cable management and from security systems to building automation.

Since 1997, Hager Middle East comes with a strong commercial team with expertise in product management, sales & marketing, customer service and finance. Our main office is based in Dubai, United Arab Emirates, with two offices in Kingdom of Saudi Arabia and Qatar, alongside representative in Oman.

Throughout the year, our qualified team of engineers conducts various other trainings on request. They make sure that these customer-oriented programs are instrumental in reinforcing the trust and quality of Hager brand.

With such commitment and dedication, we aim to whittle the best solutions for all your electrical installation systems anytime, anywhere.



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