



ENYSTAR –
DISTRIBUTION BOARDS
UP TO 250 A WITH DOOR

hensel-electric.de

HENSEL

Always by your side

HENSEL has been at your side as a reliable and high-quality brand for electrical installation and power distribution for 90 years. Those who use HENSEL solutions know that they can rely on durability, robustness and ease of use. Cable junction boxes, power distributors and switchgear from HENSEL are the first choice, especially in environments where the highest level of electrical safety is required. However, HENSEL also stands for active support along the entire planning and assembly chain in order to master the challenges of the future together with you.



WHEN THE GOING GETS TOUGH.

Where the environmental conditions are particularly demanding, the solutions from HENSEL show their particular strengths. Moisture, dirt, heat or other physical external influences can impair safe energy distribution. Here, HENSEL is your best possible partner.



HENSEL LASTS.

In harsh environments, robustness and durability are particularly important for the power supply. The engineering team at HENSEL therefore attaches great importance to resistant and high-quality materials and workmanship for every product.



QUALITY IS NOT SIMPLY A PHRASE.

At HENSEL, quality is not only in the products, but in every single step of the process. Quality awareness is also a matter of course for our employees every day. HENSEL quality is incorporated into every single aspect of the business – from attentive service to the smallest accessory.



PERFECT FUNCTION.

On the construction site, everything has to fit and move quickly. So that you, as a professional, can do your job perfectly, all HENSEL products are not only produced to a high standard, but are also easy to assemble and operate. At HENSEL, design means above all practical ergonomics.



MORE THAN JUST PRODUCTS.

Of course, you can count on HENSEL's proven service. However, in addition to daily advice and short delivery times, HENSEL also offers you help with your system planning and support with digital tools – such as ENYGUIDE, the 3D planning tool for distribution systems.

COMBINABLE ENCLOSURE SYSTEM

For the construction of distribution boards up to 250 A



IN ACCORDANCE WITH
IEC 61439-3





For protected outdoor installation, here e.g. with a protective roof.

Suitable for interiors in industry and commerce.



- + Expandable in all directions
- + In accordance with IEC 61439-3 (VDE 0660-600-3)
- + Distribution boards up to 250 A for operation by non-specialists (DBO)
- + Degree of protection IP 65
- + Protection Class II,
- + EMC-compatible busbar system
- + Suitable for indoor and protected outdoor installation
- + Functional boxes with standardised assemblies up to 250 A
- + For rail-mounted devices up to 100 A and terminals, switchgear and fuses up to 250 A

PRE-ASSEMBLED FUNCTIONAL BOXES

Quick, easy and safe.



The Hensel advantages

Material:

- + Burning behaviour: Glow wire test IEC 60695-2-11, self-extinguishing, flame retardant
- + UV-resistant in accordance with IEC 61439-1, para. 10.2.4:
The material is tested for UV resistance.
Toxic behaviour: silicone- and halogen-free
- + Chemical resistance: resistant to acids, alkalis, petrol and mineral oil



The Hensel advantages

Doors:

- + All box sizes with door
- + Transparent or opaque doors
- + Door hinge changeable
- + Sealable
- + Locking options with tool or key
- + Operation of the units behind the door with contact protection
- + No protruding drives



Fast box connection

- + Open box walls that can be closed quickly and easily with closing plates and mounting flanges
- + Integrated seals
- + Secure plugged-in box connections

Pre-assembled functional boxes

- + Functional boxes with cover as contact protection

Accessories

- + Connection box for the installation of units that must be operated from the outside, such as plugs, push-buttons and switches.
- + Cable entry via mounting flanges up to 72 mm cable diameter, contactable safety devices

MODULAR ENCLOSURE SYSTEM

**For the construction of distribution boards up to 250 A
in accordance with IEC 61439-3**

**4 BOX SIZES
FREELY COMBINABLE!**



Can be combined in all directions

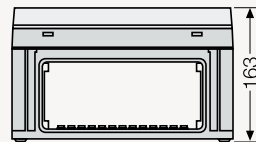
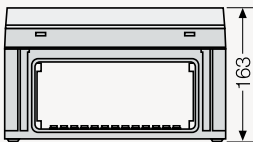
- + Four enclosures can be freely combined in all directions and can also be used as individual boxes.
- + The innovative enclosure system is ideally suited for the quick and easy construction of distribution boards up to 250 A.
- + Open side panels, integrated seals and secure plug connections ensure quick electrical installation.
- + The modular structure in a basic 90 mm pattern allows free design of the outer shape. Obstacles on the building structure can be easily built around.
- + Different enclosure depths mean that units of different depths can also be installed. With an intermediate frame, the enclosure depth of box sizes 2, 3 and 4 can be increased in 50 mm steps.



Enclosure depths

with hand operation

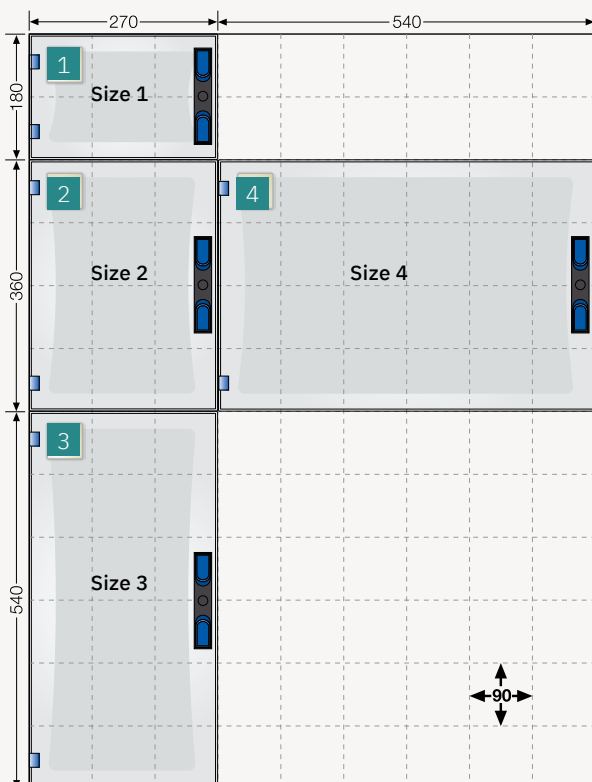
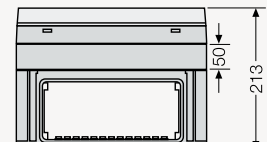
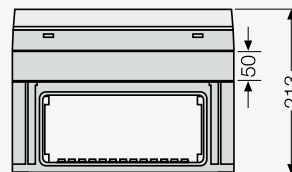
with tool operation



Extension frame

for extending installation depths by 50 mm with hand operation

with tool operation



Distribution board with door

- + Combinable
- + Modular box system in a 90 mm pattern
- + 4 box sizes:
270 x 180 mm, 270 x 360 mm, 270 x 540 mm and 540 x 360 mm
- + For the construction of distribution boards up to 250 A
- + Enclosures can also be used as single enclosures

Combinable enclosures with door and closing plates

- + 4 enclosure sizes:
276 x 186 mm, 276 x 366 mm, 276 x 546 mm and 546 x 366 mm

COMBINABLE ENCLOSURES WITH DOOR

Can be combined in all directions.



Combinable enclosures with door



Empty boxes



Busbar boxes with device configurations



NH fuse switch disconnecter boxes



Circuit-breaker boxes



Busbar boxes



Switch boxes



Meter boxes

Combinable enclosures with door and closing plates

Empty and circuit-breaker boxes **with closing plates**
Order mounting flanges separately



Box walls closed with closing plates



Order mounting flanges separately

HIGH-QUALITY MATERIAL

For demanding applications

- + Flame-retardant, self-extinguishing burning behaviour:
Glow wire test 960°C in accordance with IEC 60695-2-11
- + UV-resistant



TIGHT & SAFE

In demanding environmental conditions



Safe, even in protected outdoor installations, e.g. with protective roof

Ventilation option to reduce the formation of condensation



ALWAYS THE RIGHT LOCKING SYSTEM

For clear separation of access and operating areas



Operating areas for unskilled persons can be reached quickly and easily via door locking with hand operation



Devices which must only be operated by skilled persons, must be installed in a separate area which can only be opened using a tool

Hand operated doors in areas to which unskilled persons have access for operating devices

Locking facilities with keys prevent the unauthorized opening of doors

Standard tool operation for slotted screwdrivers and triangle (option square, double bit)



SAFETY FOR PERSONS

by total insulation

Protection covers for operating devices and bus-mounted devices for protection against contact





Cover strips cover unused equipment openings from accidental touch



COMBINABLE SOLUTIONS

for the self-assembly of distribution boards up to 250 A

An electrician can assemble the distribution alone.

Individual boxes with electrical functions.



ENYGUIDE – THE 3D CONFIGURATOR FOR MI- AND ENYSTAR DISTRIBUTORS

The intuitive ENYGUIDE 3D planning tool supports installers, electrical planners and electrical wholesalers in the planning, project development and ordering of the HENSEL ENYSTAR and Mi distributors. The professional planning aid enables the distributor to be displayed as a detailed 3D image or as a 2D drawing. The user can differentiate between equipment, covers and doors via different levels in the view.

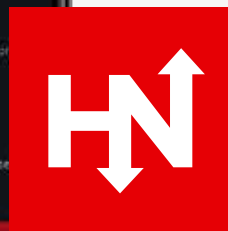
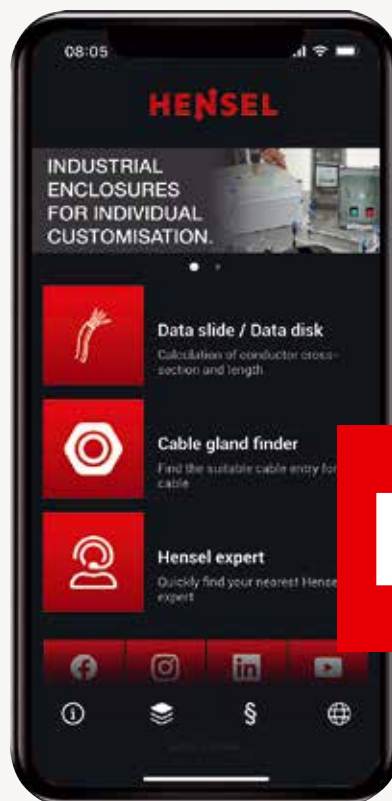
- + Convenient planning with the 3D configurator
- + Layout creation for the installer
- + Automatic creation of the parts and order list
- + Data export of the layout in dxf format and of the parts list in ASCII or Excel format.
- + Testing of the mechanical assembly incl. automatic necessary additions, e.g. wall seals, busbar connectors etc.
- + Different levels can be displayed, e.g. behind the contact hazard protection cover plate.



ENYEXPERT – MORE KNOWLEDGE IN YOUR HAND

Always be up-to-date on the go. In addition to useful information, the HENSEL app offers simple and practical tools to make your everyday work easier.

- + **Data slide / data disc**
Determination of conductor cross-section and length
- + **Cable gland finder**
Find the suitable cable entry for your cable
- + **HENSEL expert**
Quickly find your nearest HENSEL expert



AVAILABLE FOR ANDROID AND
IOS (FREE OF CHARGE)



ANDROID
Scan QR-Code



IOS
Scan QR-Code

SERVICE@HENSEL – DIGITAL, ANALOGUE AND ON SITE

In addition to the ENYEXPERT app, HENSEL offers other useful and innovative tools that significantly facilitate the everyday work in the electrical trade:



+ MY HENSEL-BOX

Your Logo on the HENSEL-box

Use the HENSEL-box as a business card for your installation services



Please contact your HENSEL expert:
hensel-electric.de

+ ENYGUIDE

The 3D Configurator for Mi- and ENYSTAR distribution boards

Whether as a 2D drawing or as a three-dimensional image – The intuitive 3D planning tool ENYGUIDE supports electrical specialists in the planning, project planning and ordering of HENSEL ENYSTAR and Mi Distribution boards.



More:
enyguide.de

+ CALCULATION TOOL

for the verification of the permissible temperature rise

The online tool for quickly and easily determining the power loss.



+ PORTAL 61439

The platform with all information about design and assembly according to IEC 61439 / EN 61439.



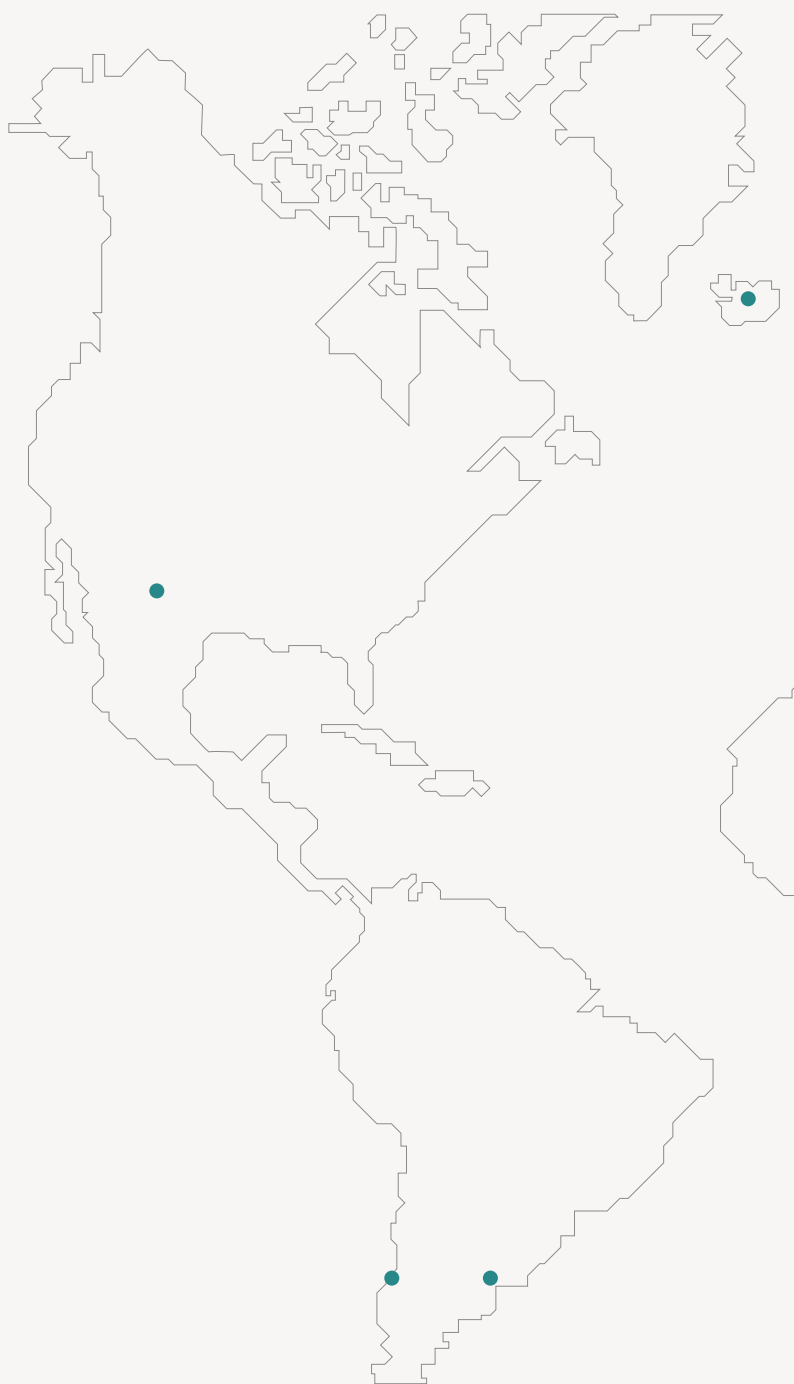
WE PROVIDE YOU WITH PROJECT SUPPORT!

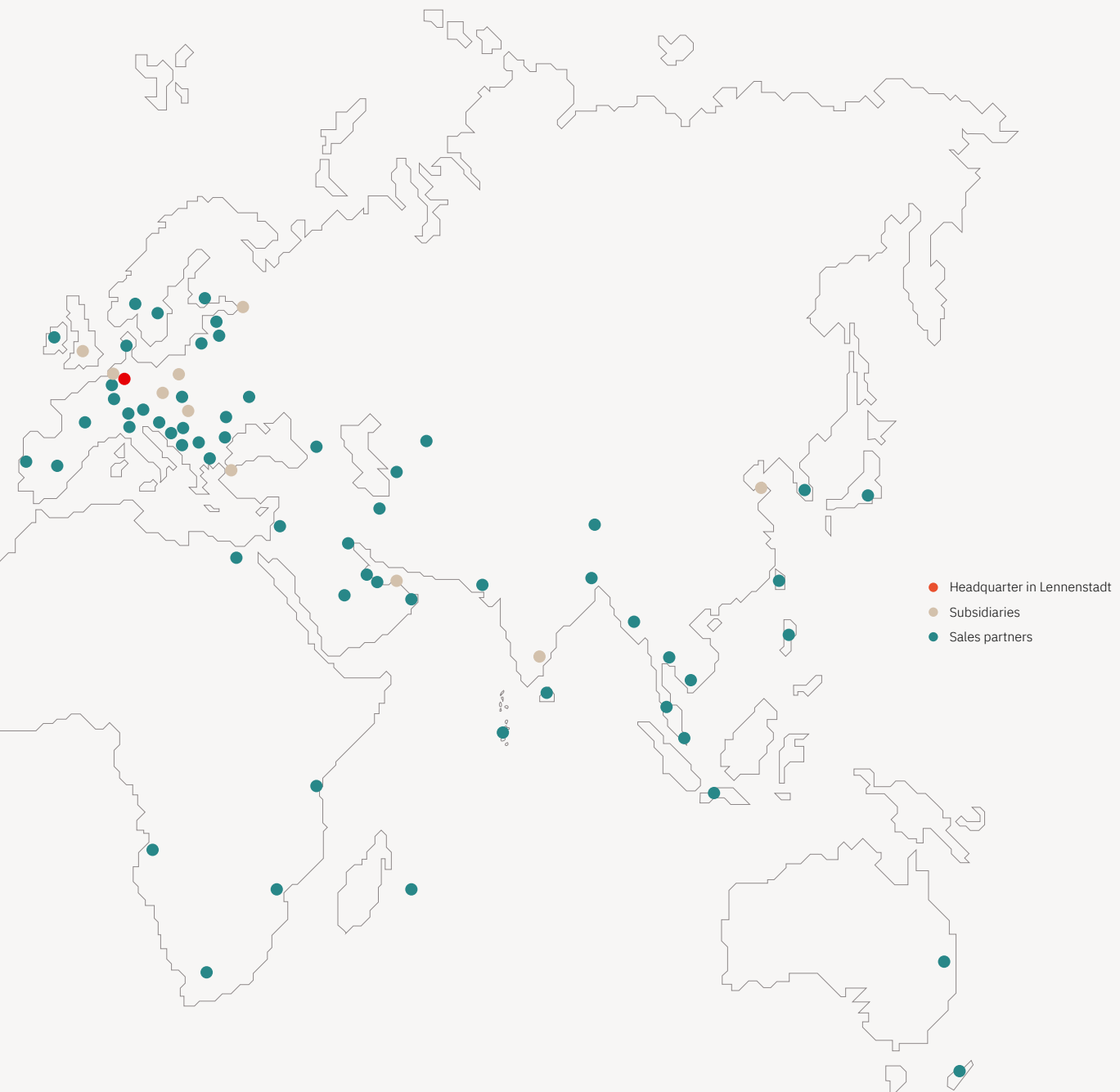
HENSEL maintains a close-knit network of technical field offices, distribution bases, subsidiaries and foreign representative offices throughout the world.

Please scan the QR code or see our website

www.hensel-electric.de

to get detailed information.





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