



ENYMOD – THE
POWER DISTRIBUTION BOARD
FOR PRO'S

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 assembly of power switchgear and controlgear assemblies (PSC) up to 630 A

MI POWER DISTRIBUTION
BOARDS UP TO 630 A

IP
65





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

Safe, even in extreme environments with dust, dirt, moisture and in harsh industrial atmospheres.

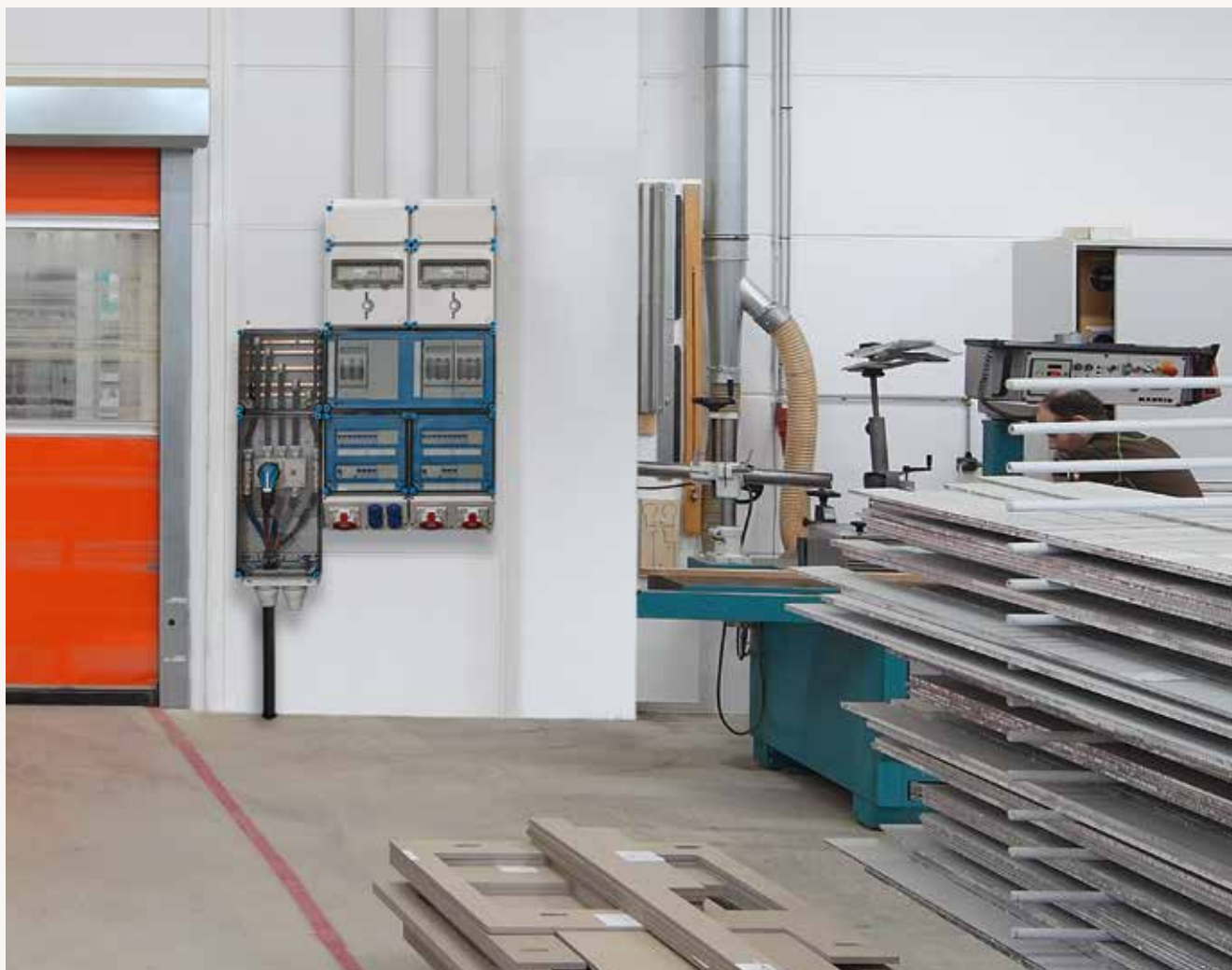
- + Combinable enclosure system
- + Power distribution box up to 630 A as power switchgear and controlgear assembly (PSC)
- + In accordance with IEC 61439-2 (VDE 0660-600-2)
- + Degree of protection IP 65
- + Protection Class II,
- + EMC-compatible busbar system
- + Suitable for indoor and protected outdoor installation
- + Functional boxes with standardised assemblies up to 630 A
- + Resistant in commercially used objects, in harsh industrial atmospheres and demanding environmental conditions.

POWER SWITCHGEAR AND CONTROLGEAR ASSEMBLY (PSC) IN ACCORDANCE WITH DIN EN 61439-2

Safe in dust, dirt, moisture and harsh industrial atmospheres

Material

- + Burning behaviour: Glow wire test IEC 60695-2-11, self-extinguishing, flame retardant
- + UV-resistant in accordance with DIN EN 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



Enclosure system

- + Functional boxes with standardised assemblies up to 630 A
- + Functional boxes for measuring energy data
- + Thermoplastic touch protection covers
- + Touch protection covers with protected, editable and undetachable labelling strips
- + Operable devices with touch protection cover
- + Installation plates for device installation
- + Cable entries on all box walls via metric knockouts, via flanges with metric knockouts or elastic sealing membranes or cable insertion up to 72 mm cable diameter
- + Panel feed-throughs with large openings for the electrical connection between the boxes
- + Cable entries on all box walls via metric knockouts, via flanges with metric knockouts or elastic sealing membranes or cable insertion up to 72 mm cable diameter
- + Wall mounting directly in the box, via external brackets or with mounting rails
- + Sealing and locking option
- + Main busbar system EMC-compliant, with N/PEN conductor in the area of the outer conductor and N conductor with the same current carrying capacity as the outer conductor



MODULAR ENCLOSURE SYSTEM

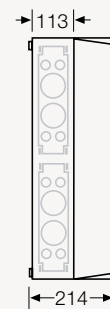
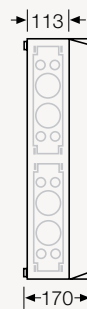
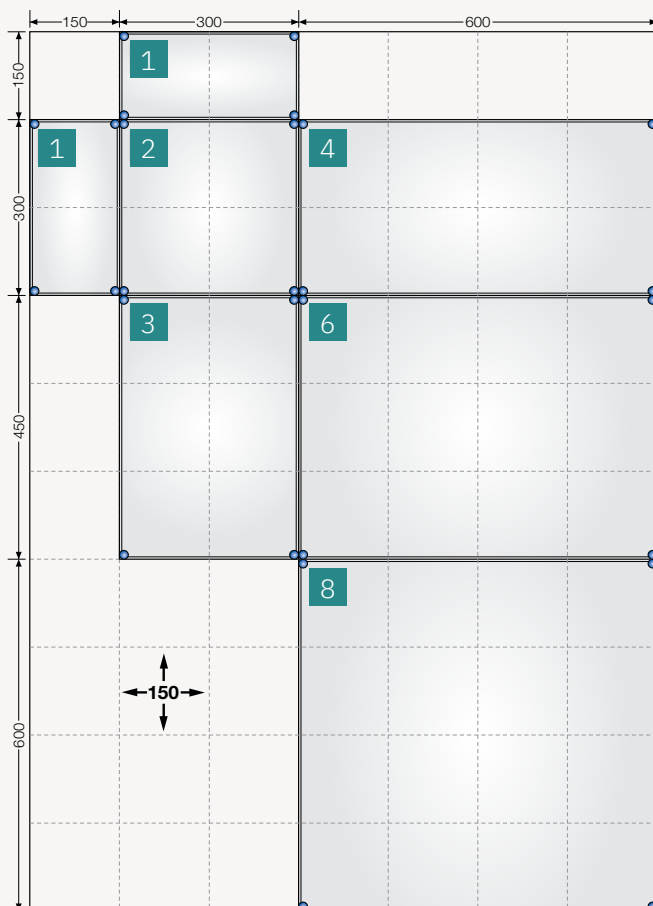
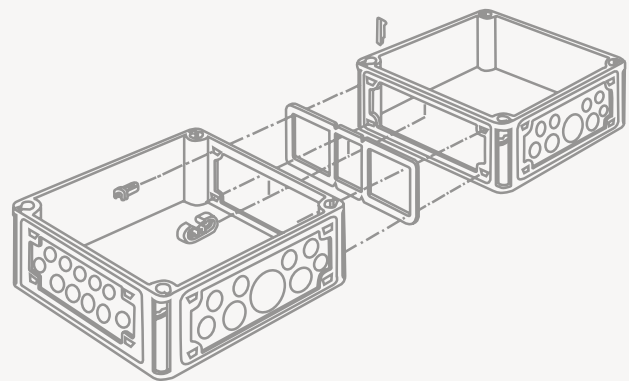
to built up power switchgear and controlgear assemblies

6 BOX SIZES
COMBINABLE!

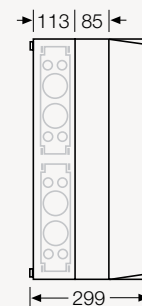
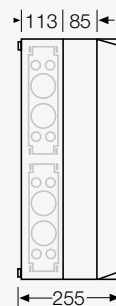


Combinable in all directions

- + Six box sizes can be freely combined in all directions and can also be used as individual boxes.
- + The combinable enclosure system is ideally suited for the quick and easy construction of power switchgear assemblies (PSC) up to 630 A
- + Box size 6 (600 x 450 mm): Due to an enlarged terminal compartment directly in the housing, some electrical functions can be installed more economical.
- + 6 box sizes:
 - 1_ 150 x 300 mm
 - 2_ 300 x 300 mm
 - 3_ 450 x 300 mm
 - 4_ 600 x 300 mm
 - 5_ 600 x 450 mm
 - 6_ 600 x 600 mm



Enclosure depths
Different enclosure depths allow the installation of deeper devices.



Extension frame
for box sizes 4, 6 and 8 increase the enclosure depth by 85 mm in each case.



Scan the QR code directly now

FOR DEMANDING ENVIRONMENTAL CONDITIONS

**Mi distribution boards with different functional
boxes for your different areas of application**

CAN BE COMBINED
IN ALL DIRECTIONS



Boxes with electrical functions



Empty boxes



Fuse boxes
Diazed/Neozed



Empty boxes with
hinged lid



NH fuse boxes and NH
fuse switch disconnectors
on mounting plate



Circuit breaker
boxes



NH fuse boxes and NH fuse
switch disconnectors
on busbars



Meter boxes
Boxes prepared for the
meter mounting board
terminal. Overvoltage
protection boxes
Functional boxes for local
measurement and display



Switch disconnectors boxes,
circuit-breaker boxes,
Changeover switch boxes

HIGH-QUALITY MATERIAL

For demanding applications



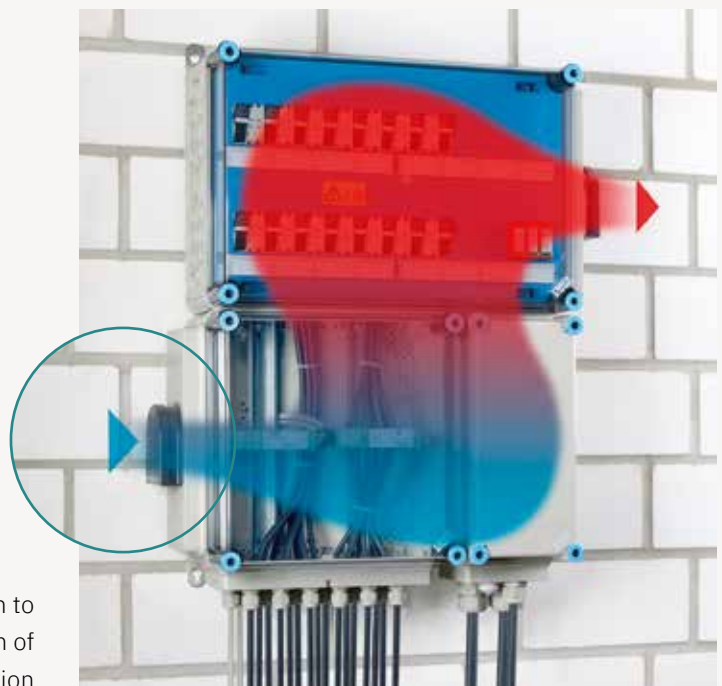
- + Flame-retardant, self-extinguishing Burning behaviour:
Glow wire test 960°C in accordance with IEC 60695-2-11
- + UV-resistant

Robust and resistant: Resistant to dust and water, Mi distribution boards withstand heavy loads.



Safe, even in extreme outdoors weather conditions, e.g. with protective roof.

Ventilation option to reduce the formation of condensation



LIGHT AND FLEXIBLE

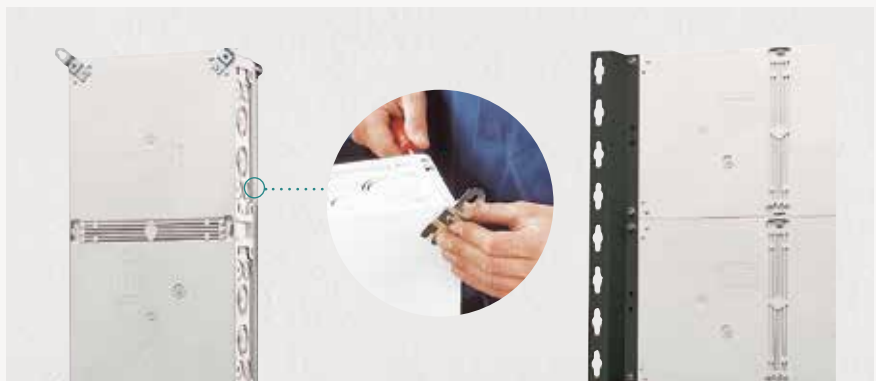
In assembly, connection and installation

Cable slot allows cables to be inserted from the front



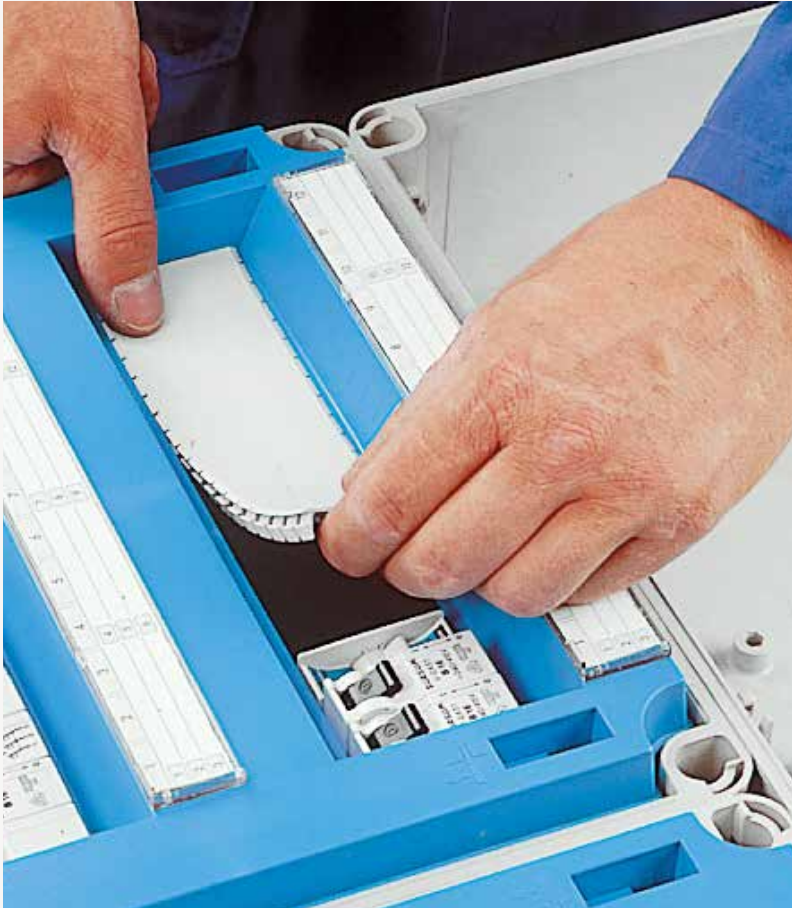
Removable box fin to insert cables via two boxes or a simpler wiring

Outer flaps or mounting rails for wall mounting



SAFETY FOR PERSONS

by total insulation



Cover strips cover device cut-outs so that they are touch-proof

Complete protection against accidental contact for devices that can be operated and devices that are contacted on busbars



THAT'S JUST RIGHT!
ACCESSORIES FOR
REAL PRO'S.



Protection class II,
(protective insulation)

ALWAYS THE SUITABLE LOCKING SYSTEM

for access and operation areas



Seal closure or padlock prevent unauthorised opening of the lids



Depending on the electrical function, lid with manual actuation (for non-specialists) or tool actuation (for electricians)

Hinged flap and hinged lid for easy operation of devices



READY TO CONNECT AND COMBINABLE SOLUTIONS

For special applications



Changeover switch boxes (I-0-II) switch safely to substitute power sources



Main line distribution board for the pre-meter area

For the self-assembly of distribution boards up to 630 A



Individual boxes with electrical functions can be assembled by the electrician to form a distribution system.

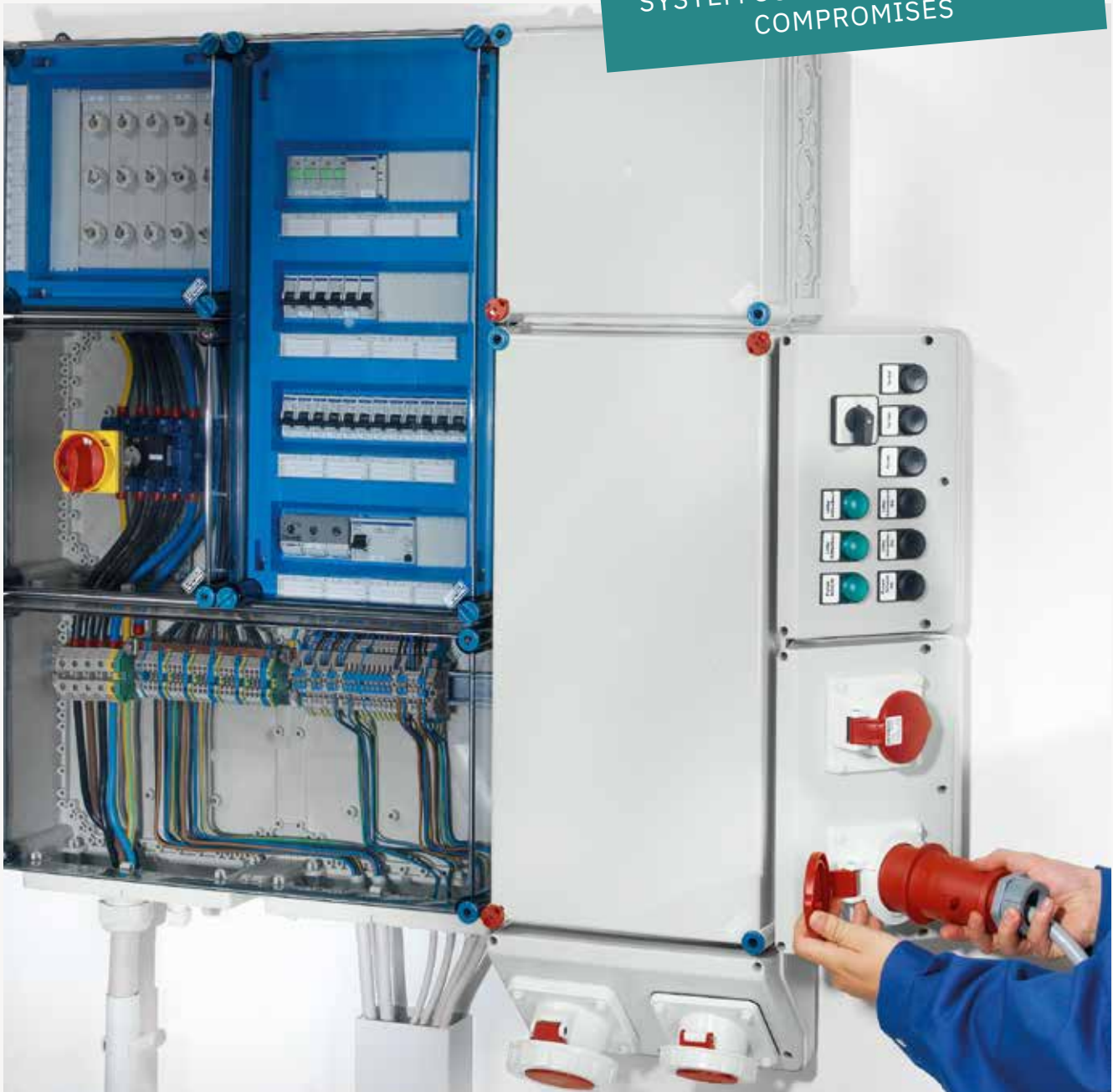
Mi-CONNECTION BOX

The integrated system solution!

Integrated system solutions are the trend:

- + They reduce the installation effort
- + They enable space-saving installation
- + They enable a visually clean solution

SYSTEM SOLUTION INSTEAD OF COMPROMISES



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 distribution boards. 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.

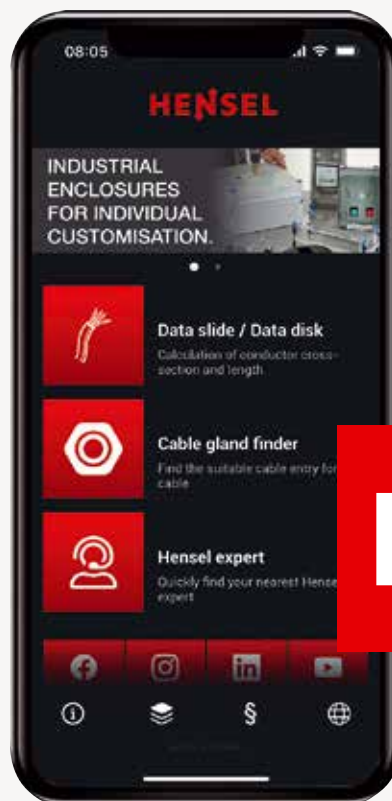
- + Convenient planning with the 3D configurator
- + Layout creation for the installer
- + Automatic creation of the parts and order list
- + Data export of the layout in dxf format and of the parts list in ASCII or Excel format.
- + Testing of the mechanical assembly incl. automatic necessary additions, 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 size 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.



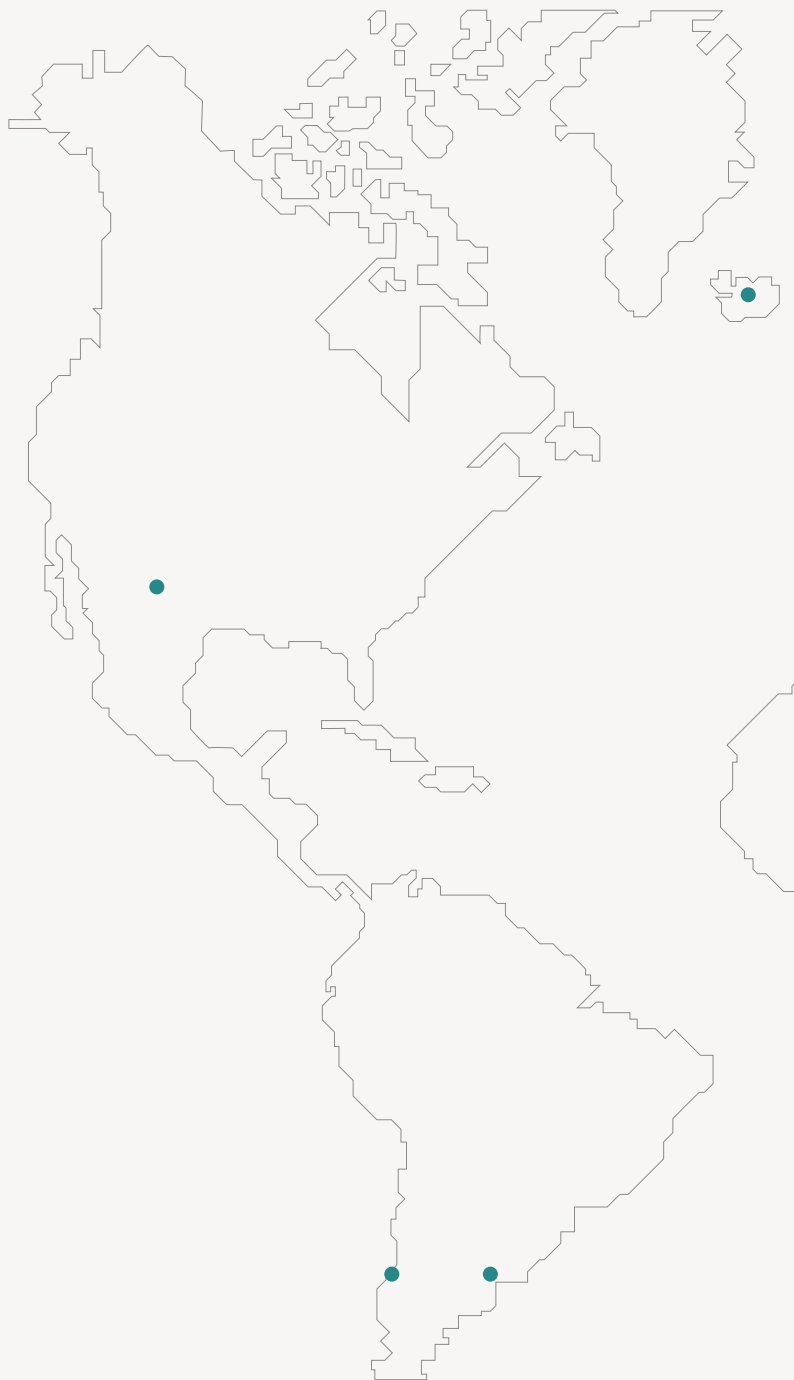
WE PROVIDE YOU WITH PROJECT SUPPORT!

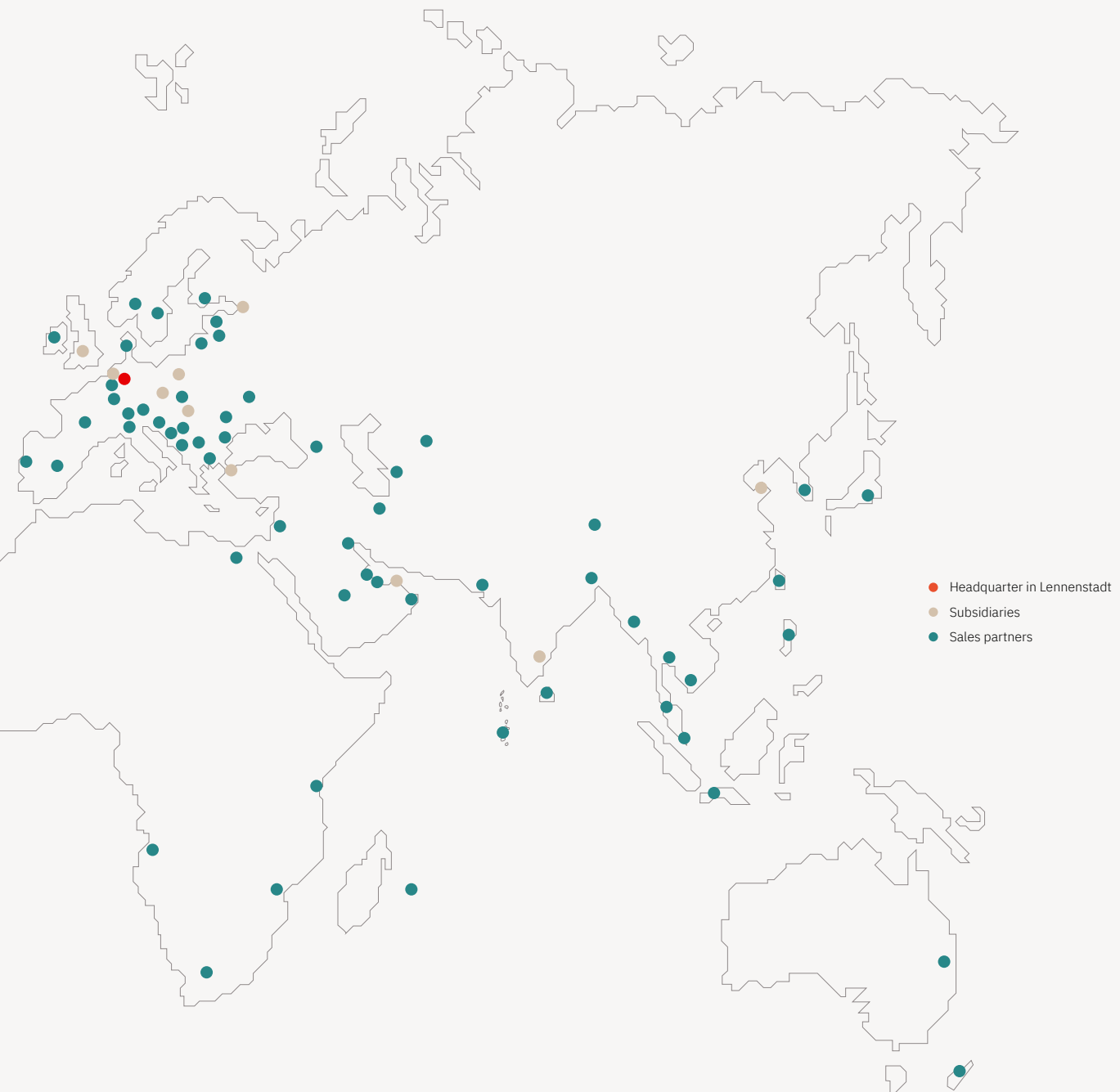
HENSEL maintains a close-knit network of technical field offices, distribution bases, subsidiaries and foreign representative offices throughout the world.

Please scan the QR code or see our website

www.hensel-electric.de

to get detailed information.





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