



Dear Reader,

The advantage of concentrating on only particular technical themes is that you can deal with your customers' requirements all the more intensely.

What applies to many electricians and the electrical wholesalers also remains valid in industry:

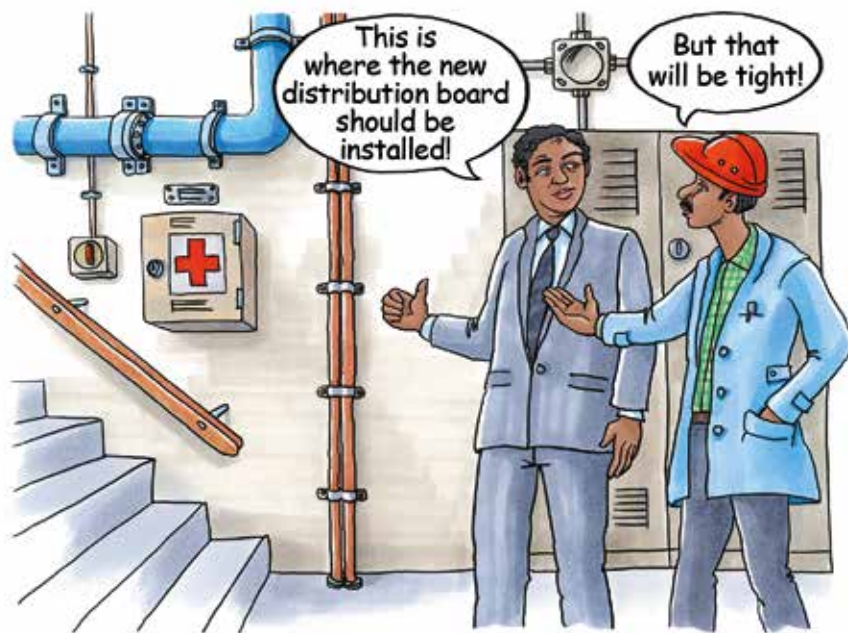
Hensel is one of these specialists in the field of combinable distribution board systems in a high degree of protection!

We know of no company worldwide, which has dealt with the latest requirements in standardization (IEC 61439), the quick and easy design (planning tool ENYGUIDE) and all the necessary calculations and ratings in these application areas as intensely as Hensel.

Hensel is the specialist for electrical installation and distribution board systems made of high quality thermoplastic with their special properties in areas where dust and humidity place high demands on the electrical installation.

With Hensel you will find the best solutions for distribution boards working safely under difficult and demanding conditions on site.

Philipp C. Hensel
Managing director of
Gustav Hensel GmbH & Co. KG



Assemblies have to adapt to installation site, especially in tight spaces

Industrial and commercial buildings place high demands on distribution board systems

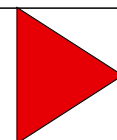
In existing buildings, infrastructure for heating, ventilation or compressed air, for example, and additional building constructions such as stairs, the available installation space for distributors is greatly reduced.

Since these installations usually cannot be changed, the size and structure of the assembly must be adapted to these tight spaces.

In addition, demanding environmental conditions, such as high or low temperatures, moisture or dust and aggressive substances, place special demands on the materials and degree of protection of the distribution board.

These criteria make it difficult to select the right distribution board system.

The system solution for electricians ...



Requirements for distribution boards in industrial and commercial buildings

1. Distribution boards must be suitable for the ambient conditions

Dust

Dust jeopardizes the insulation resistance of the built-in devices through creepage distances, which can lead to short circuits and failure.



Humidity

Ingress of water can collect on the surfaces of built-in devices, penetrate and lead to device failure, short circuit or failure of the system.



Atmosphere / corrosion

Air humidity leads to corrosion of metal housings and the chemical atmosphere affects metals and plastics.

Mechanical load

Shocks and impacts from falling goods or lifting vehicles can be expected in production areas and on driveways.

2. Size and structure of a distribution board must adapt to the installation space on site

Distribution boards must be able to adapt optimally to the available installation space.

In existing buildings, wall surfaces are often already being used by existing infrastructures and installations for e.g. air, water, climate and production equipment.



Restricted space through existing infrastructure

3. Current flow must be clearly recognizable when the distribution board is closed

In production facilities, it is particularly important in the event of malfunctions and maintenance to recognize the current flow and the operating states of the devices in a circuit at a glance without opening cabinet doors that may be locked or non-transparent.



Here, the current flow cannot be seen with door closed or opened.

4. Distribution boards must be expandable for subsequent installations

The flexibility of a production facility when extending the equipment range also requires a flexible adjustment of the electrical power supply. That means, additional circuits are needed or the rated currents have to be increased.



No additional equipment in the existing cabinet is possible here. Extension only with an additional cabinet field.

Mi distribution boards fulfill maximum performance and extreme durability in industrial and commercial applications

Highly adaptable in tight spaces and well suited to harsh conditions

In contrast to cabinet-type assemblies, the modular Mi system can be free combined in a grid of 150x300 mm in all directions (vertical and horizontal). Different cover heights and intermediate frames allow the installation of devices with different installation heights.



Always having everything in view and under control

All electrical functions are always in view thanks to the transparent lids. Errors can be instantly localized. The current course is always visible from the outside in the event of a fault or for retrofitting.

Flexible and expandable even in case of retrofitting additional circuits

Depending on the number of additional required circuits matching enclosure sizes are available. They can be combined horizontally or vertically on each enclosure wall.

Dimensionally stable and electrically safe

Mi enclosures give way in the event of an impact or any other mechanical stress and spring back to their original shape. A temporary contact with live parts does not cause a short-circuit. The protection against electrical shock is maintained.

The Hensel Mi System is ideally suited to harsh conditions in industrial applications and demanding atmospheres

Step 1

- Take advantage of the modular Mi System and the pre-assembled enclosures with electrical functions up to 630 A!

Step 2

- Assure yourself and your employees of the benefits of the Hensel Mi System in your next project. Take advantage of the extensive range of Hensel services for design and building power distribution boards.

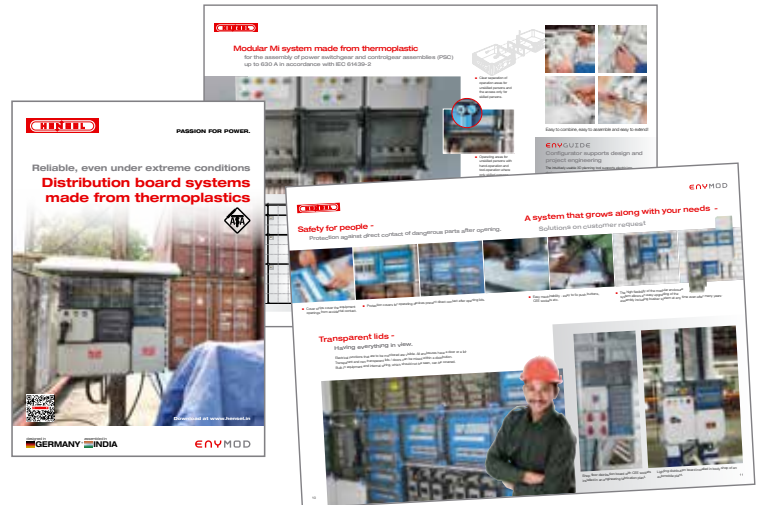
Step 3

- Make full use of the Hensel expertise in assembling distribution boards as per individual customer specifications. All assemblies are duly tested and certified before delivery and carry a Hensel warranty!

www.hensel.in

Product information for download:

Reliable, even under extreme conditions - distribution board systems made of thermoplastics for harsh environments in industrial and commercial applications



PASSION FOR POWER.



R. Rajesh
Director
Hensel Electric India Pvt. Ltd. / Hensel Electric FZE
info@hensel-electric.in / info@hensel-electric.ae
www.hensel.in / www.hensel-electric.ae

Delivery in India via Hensel authorized distributor network spanning 130 cities and industrial centers.

Delivery in South East Asia via Hensel authorized distributor network in all ASEAN countries.

Delivery in Middle East via Hensel authorized distributor network in all GCC countries.

Delivery in Asia Pacific via Hensel authorised distributor network in all APAC countries



More detailed information on this theme proceed to download at www.hensel.in