

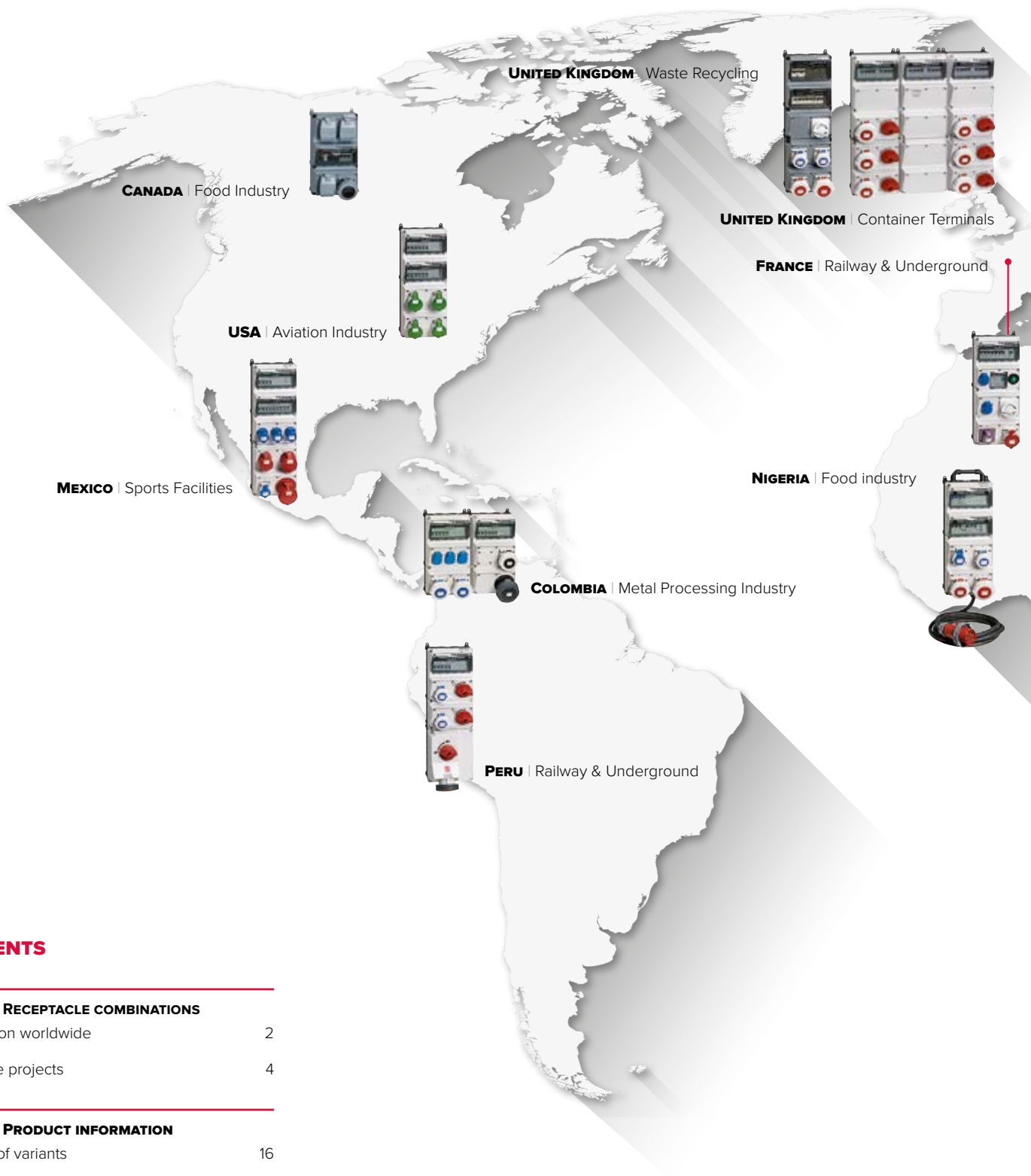
# AMAXX® YOUR INDUSTRY!

Receptacle combinations for worldwide use



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Receptacle combinations for worldwide use.



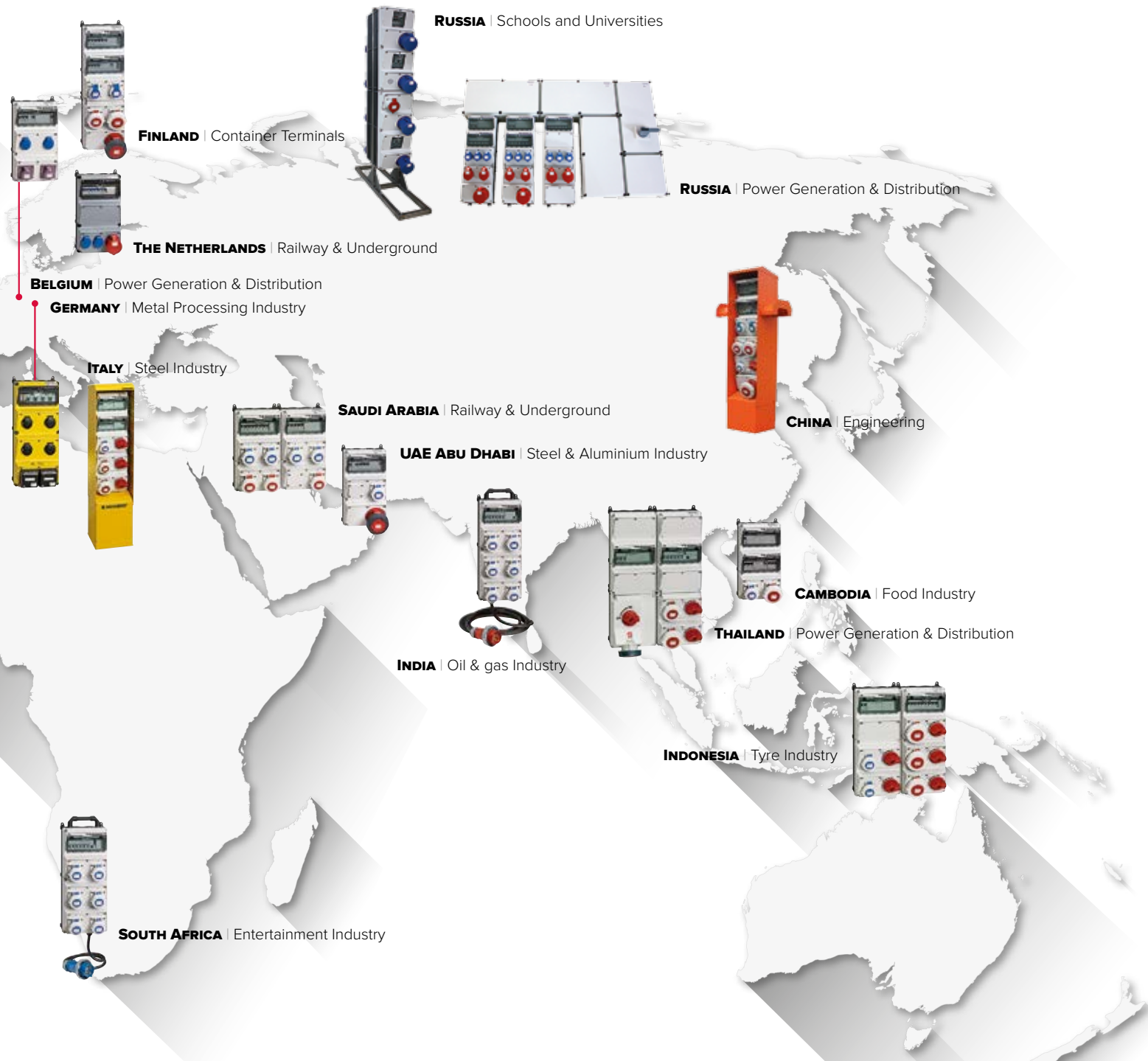
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**FINLAND** | Container Terminals

**RUSSIA** | Schools and Universities

**RUSSIA** | Power Generation & Distribution

**THE NETHERLANDS** | Railway & Underground

**BELGIUM** | Power Generation & Distribution

**GERMANY** | Metal Processing Industry

**ITALY** | Steel Industry

**SAUDI ARABIA** | Railway & Underground

**CHINA** | Engineering

**UAE ABU DHABI** | Steel & Aluminium Industry

**CAMBODIA** | Food Industry

**THAILAND** | Power Generation & Distribution

**INDIA** | Oil & gas Industry

**INDONESIA** | Tyre Industry

**SOUTH AFRICA** | Entertainment Industry

Our AMAXX® receptacle combinations are versatile and highly customisable. Therefore, AMAXX® is in operation worldwide in various fields, even under adverse conditions. Our slogan „AMAXX® your Industry!“ goes round the world. Many international reference projects of satisfied customers are proof. What could be the reason? MENNEKES is the global specialist for industrial plugs and receptacles with over 80 years of experience.

We should also mention the numerous options of the AMAXX® combination programme and our passion to develop customised solutions – right up to one-off production. With new features to meet international requirements, such as UL listed enclosures and components, we are even better positioned in new markets.

**Valid also in future:  
MENNEKES – Plugs for the world!**

**AMAXX®**  
by MENNEKES

## FOOD INDUSTRY

Dr. Oetker, Canada

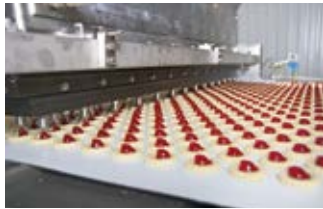


### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 3 segments
- **Protection type 3R**
- **Receptacle NEMA 5-20R GFCI with protective cover**
- CEE receptacles
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacturing facilities in the United States to respond quickly to specific customer needs in Canada
- UL listed enclosures and components, NEMA connector system of all common types incl. „in-use-cover“
- Fusing according to UL requirements for all markets that follow the American standards
- Manufacture according to UL 508A



## AVIATION INDUSTRY

AIRBUS, USA



### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 4 segments
- **Protection type IP 44**
- **CEE receptacles 16 A, 5 p, 2 h, > 50 V**
- Miniature circuit breaker (MCB)

### BENEFITS OF AMAXX®

- Manufacturing facilities in the United States to respond quickly to specific customer needs
- UL listed enclosures and components, NEMA connector system of all common types incl. „in-use-cover“
- Fusing according to UL requirements for all markets that follow the American standards
- Manufacture according to UL 508A



## SPORTS FACILITIES

GRUPO MEG S.A., Mexico

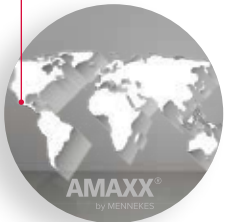


### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 5 segments
- **Protection type IP 44**
- **CEE receptacles up to 63 A**
- Miniature circuit breaker (MCB)

### BENEFITS OF AMAXX®

- Manufacturing facilities in the United States to respond quickly to specific customer needs in Middle America
- UL listed enclosures and components, NEMA connector system of all common types incl. „in-use-cover“
- Fusing according to UL requirements for all markets that follow the American standards
- Manufacture according to EN/IEC 60309 and 61439



## METAL PROCESSING INDUSTRY

Tenaris, Columbia



### CUSTOMISED PROJECT ENGINEERING

- 2 AMAXX® with 3 segments
- **Protection type IP 44**
- **Grounding-type receptacles according to UL (NEMA 5-15R)**
- **CEE receptacles up to 63 A Protection type IP 67**
- Miniature circuit breaker (MCB)

### BENEFITS OF AMAXX®

- Manufacturing facilities in the United States to respond quickly to specific customer needs in South America
- UL listed enclosures and components, NEMA connector system of all common types incl. „in-use-cover“
- Fusing according to UL requirements for all markets that follow the American standards
- Manufacture according to EN/IEC 60309 and 61439 as well as UL 508A



## RAILWAY AND UNDERGROUND

Metro Lima, Peru



### CUSTOMISED PROJECT ENGINEERING

- According to national standards and specifications by railway operators
- AMAXX® with 5 segments
- **Protection type IP 67**
- **CEE receptacles DUO switched with mechanical interlock up to 63 A**
- Miniature circuit breaker (MCB)

### BENEFITS OF AMAXX®

- Manufacturing facilities in the United States to respond quickly to specific customer needs in South America
- UL listed enclosures and components, NEMA connector system of all common types incl. „in-use-cover“
- Fusing according to UL requirements for all markets that follow the American standards
- Manufacture according to EN/IEC 60309 and 61439 as well as UL 508A



## WASTE RECYCLING

Milton Keynes Waste Recovery Park, United Kingdom



### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 5 segments
- **Protection type IP 67**
- **Enclosure and operating window made of AMELAN**
- **excellent chemical resistance**
- with outstanding mechanical, thermal and electrical properties
- CEE receptacles
- Main switch
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacture according to EN/IEC 60309 and 61439



## CONTAINER TERMINALS

Grangemouth Container Port, United Kingdom



### CUSTOMISED PROJECT ENGINEERING

- 3 AMAXX® with 5 segments
- Protection type IP 67
- CEE receptacles DUO switched with mechanical interlock 32 A
- highly heat-resistant contact carrier
- nickel-plated contacts
- NH 00 fuse sockets
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacture according to EN/IEC 60309 and 61439



## RAILWAY AND UNDERGROUND

KEOLIS, France



### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 4 segments
- Protection type IP 44
- Receptacles with earth contact according to French / Belgian Standard with child lock
- Single-phase transformer
- Signal lamp, green
- CEE receptacles
- Main switch as well as RCD and MCB

### BENEFITS OF AMAXX®

- Manufacture according to EN/IEC 60309 and 61439



## FOOD INDUSTRY

Nigerian Bottling Company, Nigeria



### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 4 segments
- Mobile with carrying handle
- **Protection type IP 67**
- **Supply cable of 20 m length with CEE plug 32 A**
- **Grounding-type receptacle British standard (IP 68)**
- CEE receptacles
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacture according to EN/IEC 60309 and 61439



## POWER GENERATION AND DISTRIBUTION

Electrabel, Belgium



### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 3 segments
- **Protection type IP 44**
- **Grounding-type receptacles according to French / Belgian Standard with child lock**
- **Single-phase transformer**
- **CEE receptacles 20-25 V**
- RCD and MCB (all-pole)

### BENEFITS OF AMAXX®

- Manufacture according to EN/IEC 60309 and 61439





## METAL PROCESSING INDUSTRY

Julius Kleemann, Germany



### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 4 segments
- Protection type IP 44
- SCHUKO® receptacles
- RJ45 two fold data receptacles
- Data modules DAT BTR and surge arrester
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacture according to EN/IEC 60309 and 61439



## CONTAINER TERMINALS

KoneCranes, Finland



### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 5 segments
- Protection type IP 67
- CEE receptacles up to 32 A
- SCHUKO® receptacles (IP 68)
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacture according to EN/IEC 60309 and 61439



## RAILWAY AND UNDERGROUND

Metro Tunnel Amsterdam, The Netherlands



### CUSTOMISED PROJECT ENGINEERING

- According to national standards and specifications of railway operators
- AMAXX® with 3 segments
- **Protection type IP 44**
- **Enclosure and operating window made of AMELAN**
- **excellent chemical resistance**
- with outstanding mechanical, thermal and electrical properties
- SCHUKO® receptacles
- CEE receptacles
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacture according to EN/IEC 60309 and 61439



## STEEL INDUSTRY

ABS, Italy



### CUSTOMISED PROJECT ENGINEERING

- AMAXX® **CombITOWER** with 5 segments
- **Protection type IP 67**
- **CEE receptacles DUO switched with mechanical interlock up to 32 A**
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacturing facilities to respond quickly to specific customer needs in Italy
- Manufacture according to EN/IEC 60309 and 61439



## ENTERTAINMENT INDUSTRY

Lighthouse Chapel, South Africa



### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 4 segments
- Mobile with carrying handle
- **Protection type IP 67**
- **Supply cable of 1 m length with CEE plug 32 A**
- CEE receptacles
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacture according to EN/IEC 60309 and 61439



## RAILWAY AND UNDERGROUND

Metro Riyadh, Saudi Arabia



### CUSTOMISED PROJECT ENGINEERING

- according to national standards and specifications of railway operators
- 2 AMAXX® with 3 segments
- **Protection type IP 67**
- **CEE receptacles 16 A**
- Miniature circuit breaker (MCB)

### BENEFITS OF AMAXX®

- Manufacture based on EN/IEC 60309 and 61439



## SCHOOLS AND UNIVERSITIES

Polytechnic University St. Petersburg, Russia



### CUSTOMISED PROJECT ENGINEERING

- 4 AMAXX® with 4 segments each
- **Protection type IP 44**
- **connected at front-ends on stainless steel standing frame**
- **Adapter module for accommodating emergency-stop switches or buttons**
- **Switch flange mountable in any position in module plate opening**
- **Signal lamp**
- CEE receptacles
- Miniature circuit breaker (MCB)

### BENEFITS OF AMAXX®

- Manufacturing facilities to respond quickly to specific customer needs in Russia
- Manufacture according to EN/IEC 60309 and 61439



## POWER GENERATION & DISTRIBUTION

Siemens, Russia



### CUSTOMISED PROJECT ENGINEERING

- 5 fibreglass-plastic enclosures and 3 AMAXX® with 5 segments on wall mount frame
- **Protection type IP 44**
- **CEE receptacles up to 63 A**
- RCD and MCB (all-pole)

### BENEFITS OF AMAXX®

- Manufacturing facilities to respond quickly to specific customer needs in Russia
- Manufacture based on EN/IEC 60309 and 61439



## STEEL & ALUMINIUM INDUSTRY

EMAL (Emirates Aluminium), United Arab Emirates, Abu Dhabi



### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 3 segments
- **Protection type IP 67**
- **CEE receptacles up to 63 A**
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacture based on EN/IEC 60309 and 61439



## OIL & GAS INDUSTRY

Reliance Industries Limited, India



### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 4 segments
- Mobile with carrying handle
- **Protection type IP 67**
- **Supply cable of 10 m length with CEE plug 32 A**
- CEE receptacles
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacture according to EN/IEC 60309 and 61439



## POWER GENERATION & DISTRIBUTION

EGAT, Thailand



### CUSTOMISED PROJECT ENGINEERING

- 2 AMAXX® with 5 segments
- Protection type IP 67
- CEE receptacles DUO switched with mechanical interlock up to 63 A
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacture according to EN/IEC 60309 and 61439



## ENGINEERING

Karl Mayer, China



### CUSTOMISED PROJECT ENGINEERING

- 2 AMAXX® with 3 segments in **CombiTOWER**
- Protection type IP 67
- CEE receptacles DUO switched with mechanical interlock 63 A
- Grounding-type receptacles Chinese standard
- CEE receptacles
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacturing facilities to respond quickly to specific customer needs in China
- Manufacture according to EN/IEC 60309 and 61439



## FOOD INDUSTRY

Heineken, Cambodia



### CUSTOMISED PROJECT ENGINEERING

- AMAXX® with 3 segments
- **Protection type IP 67**
- CEE receptacles
- RCD and MCB

### BENEFITS OF AMAXX®

- Manufacture according to EN/IEC 60309 and 61439



## TYRE INDUSTRY

Pirelli, Indonesia



### CUSTOMISED PROJECT ENGINEERING

- 2 AMAXX® with 4 segments
- **Protection type IP 67**
- **CEE receptacles DUO switched with mechanical interlock up to 63 A**
- Miniature circuit breaker (MCB) (all-pole)

### BENEFITS OF AMAXX®

- Manufacture based on EN/IEC 60309 and 61439



# AMAXX® – SPECIALISTS RIGHT FROM THE START.

Success of a series.



AMAXX® receptacle combinations by MENNEKES combine energy and data in one product family and have been highly successful for many years.

MENNEKES offers the right combination for each requirement: from the smallest AMAXX® receptacle combination with one segment, through the largest with five segments to the suspended receptacle combination. Fully configurable in six different enclosure dimensions and as always in an attractive design. AMAXX® by MENNEKES provides the electrician with almost infinite combination possibilities.



# AMAXX® – DIVERSITY OF VARIANTS.

Reliable technology.

## Strong materials. For all protection types.

With AMAXX® receptacle combinations by MENNEKES you are optimally equipped, regardless of the environment. The proven product family has been in reliable operation for years and is therefore field-tested. All devices are manufactured in accordance with DIN EN 61439. The combinations are available in IP 44 (splash proof) or IP 67 (waterproof) enclosures.

The plastic used for the enclosures is of high quality and possesses all the characteristics you would expect from resistant material. Apart from excellent break resistance, AMAXX® features also smooth, easy to clean surfaces. Optimum electrical insulation, wear resistance, shape retention and wear resistance are obvious characteristics.

To meet challenges in working areas where chemicals and other aggressive materials are used, enclosures made of AMELAN offer special resistance to all types of fuels, oils, greases, diluted acids and bases as well as cleaners and most aqueous salt solutions. As option, highly heat-resistant contact carriers and nickel-plated contacts provide safety in challenging environments.

Thanks to outlets pointing downwards at an angle, little space is required for inserted cables.

The standard colour for enclosure surfaces is electro-grey. The enclosures are also available in silver or signal yellow.



AMAXX® receptacle combination in silver

AMAXX® receptacle combination in signal yellow

## AMAXX®. Adaptable solutions.

AMAXX® has many strong points. The strong points include the comprehensive equipping options of combinations.

- CEE receptacles from 16 A, 3 pole to 63 A, 5 pole
- **Grounding-type receptacles according to various national standards** e.g. French/Belgian, Danish, Swiss and British standards, and also compliant for China and the NEMA standard for the USA and Canada.
- **Receptacles and Fusing also according to UL requirements.**
- Data receptacles
- switched and interlocked DUO receptacles 16 A, 3 pole up to 63 A, 5 pole
- lockable receptacles
- Fuse elements such as RCDs, MCBs and Neozed fuse elements or with monitoring receptacles for plugs and receptacles in reefer containers
- Switches, buttons and signal lamps



AMAXX® receptacle combinations with grounding-types british standard.

AMAXX® receptacle combinations with switched and interlocked DUO receptacles.

AMAXX® receptacle combinations with switched and interlocked DUO receptacles and NEMA receptacles.

# AMAXX® – FOR ALL REQUIREMENTS.

Custom made, easily assembled, individually tested.

## Always one hundred percent. Even for a one-off unit.

We want to know what you need. Then we start working on it with passion and experience. Our strength is to provide flexible and reliable solutions for a variety of customers. However, sometimes our extensive range is not adequate and very special solutions are needed. Then we manufacture the appropriate unit.

### Do you have special wishes and requirements?

Feel free to contact us. We advise you gladly and design an appropriate solution for you!



## Easy connection. Assembly can be that easy.

### 1 Extendable DIN rails

The extendable support rails and the large, smooth connection space simplify the insertion and connection of large cables considerably.

### 2 One-man assembly

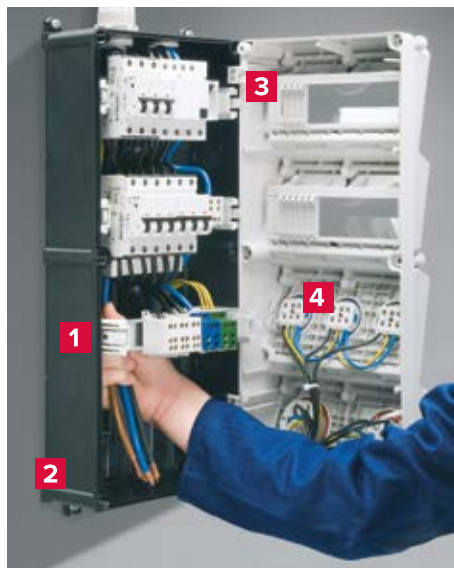
Shorter assembly times thanks to the new, user-friendly external fixing.

### 3 Hinged enclosure top

The hinged enclosure opening to the side simplifies the connection procedure.

### 4 Ready for use

All combinations are wired ready for connection and tested for electrical safety and quality.



## MENNEKES quality. Tested and certified.

MENNEKES attaches particular importance to reliability and quality. Therefore, AMAXX® like all our other products undergo our most rigorous and extensive checks. Each unit leaves our factory with a certification and the assurance that for us care comes first. That is something you can rely on.



# AMAXX® – SOLUTIONS FOR INDUSTRY 4.0.

Energy and data - networking and measuring.



## Industrial data signal distributor.

### Networking functions.

Our AMAXX® enclosures meet the requirements of industrial applications. These proven enclosures for accommodating network components provide robust and compact solutions to extend existing networks or establish small networks for trades and crafts.

The data signal distributor by MENNEKES is the perfect solution for a **network extension**.

The data signal distributor can be **individually fitted** with standard active network components and Keystones.

The **plastic enclosure** is ideally suited for installing **wireless components** and **protects the installed components** against dust, moisture and other environmental influences.



## Energy monitoring through energy measurement system.

### Optimising energy consumption.

Monitoring industrial systems is the basis for efficiency. For the monitoring the energy consumption, we offer an energy measurement system that contributes to energy and costs savings. This is the result of years of experience in the development and manufacture of energy distribution equipment.

The MENNEKES energy measurement device allows measuring the overall energy consumption of one or more consumers.

**Incorporating** the enclosure in an already **existing fixed installation** is no problem.

**The measured values** are made available **over LAN or WLAN** and can be visualised in an App (smartphone, tablet) or web interface.

The energy measurement device includes an internal measured value memory that stores data for a long period and provides **statistics of the power consumption**.



For more information visit [www.industry40.mennekes.de](http://www.industry40.mennekes.de)



# MENNEKES®

## Plugs for the world

### AMAXX® YOUR INDUSTRY!

Receptacle combinations for worldwide use



**MENNEKES impresses with the variety of AMAXX® internationally - as a standard or as a customised solution. The success story continues!**



On **www.AMAXX.info** those who are interested can find global reference projects, additional information on the various applications, a **product finder** for standard equipment and **MENNEKES contacts worldwide** for customised solutions.

#### MENNEKES

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