

Low Voltage Switchboard & Switchgear





INESING low voltage switchgear is completely designed and engineered by INESING using circuit breakers from a leader manufacturers like ABB , Siemens and Schneider. We produce a range of low voltage switchgear type tested to IEC 61439. Using a modular system and 3D modelling tools, our engineering team are able to create a specification compliant solution for each individual project, depending on the users' technical and physical requirements, circuit breakers can be mounted in a fixed or draw out configuration.

INESING's Low Voltage Systems are designed to be as space and energy efficient as possible, yet ensuring highest safety, maintaining easy access for installation, operation and maintenance.



Our systems are suitable for applications in all fields concerning the generation, distribution and use of electrical energy, e. g., they can be used as:

Main and sub-distribution boards for energy and Motor current supply of Motor Control Centers

- in utility companies
- in power plants
- in oil refineries
- on off-shore drilling platforms
- in production facilities
- in sewage management
- in buildings for other than dwelling purposes.



Our system offers to the user many alternative solutions and notable advantages:

- Compact, space-saving design
- Economic energy distribution in the cubicles
- Easy project and detail engineering through standardized components
- Comprehensive range of standardized types
- Various design levels depending on operating and environmental conditions
- Easy combination of the different equipment systems, such as removable and withdrawable modules, in a single cubicle
- Arc-proof design
- Earthquake-, vibration- and shock-proof design possible
- Easy assembly without any special tools
- Easy conversion and retrofit
- Largely maintenance-free
- High operational reliability and availability
- Optimum personal protection



Worldwide Experience

Our systems are for applications in all industrial fields

Data Center



Chemical, Mineral, Oil and Gas



Power Industry



Water & Waste Water



Infrastructure, Building Complex



INESING S.p.A
Power System Solution

Quality and Safety



INESING low voltage switchgear is completely designed and built in compliance with reference Standards that define its construction and functional characteristics.

The IP44 certifies that our switchgear is totally protected against the infiltration of solid bodies and is resistant to water splashing from any direction. and in particular, the IP66 degree certificated switchgears are completely hermetic to dust and fumes, protected against the infiltration of solid bodies and are resistant to penetration of jets of water similar to sea waves.

Absolute protection is provided by double insulation even in the event of direct contact.

Even in very difficult application circumstances, our switchgears give the high-level performances,

With resistance to fire and heat up to a temperature of 750° C and functional temperature from -25°C to 100°C.



MOTOR CONTROL CENTER (MCC)



ADVANTAGES :

- Control and Monitoring Over Network
- Power Monitoring
- History and Logging
- Integration into Safety Systems
- Updated Technology

Our MCC motor control center offers plug-in, withdrawable and high unit technology

Safe connection with ease of use:

- all switching operations can only be operated, when door is closed
- the respective compartment door is only in disconnected position opening
- all withdrawable units are only in disconnected position removeable
- disconnection contact for incoming and outgoing circuits on both sides
- maloperation by use of guide frame coding impossible

TECHNICAL FEATURES

TECHNICAL FEATURES	
Rated Operation Voltage	Up to 690 V
Rated Busbar Current	Up to 6000 A
Short Circuit Withstand Current	50kA
Short Circuit Impulse Withstand Current	125kA
Degree of protection acc. DIN EN 60529	IP54 – IP66
Ambient temperature	55°C



INESING S.p.A
Power System Solution

PROTECTION & CONTROL PANEL



ADVANTAGES :

- Increases “up time”
- Increases overall efficiency
- Optimizes use of electrical power
- Conserves valuable resources
- Minimizes space requirements
- Reduces unscheduled service
- Emphasizes simplicity
- Anticipates future requirements
- Easy to troubleshoot or modify
- Designed with safety in mind as prescribed by Underwriters’ Labs

INESING designs protection and control panels for various applications according to customer requirements, using latest technology relays which are supplied by Schneider Electric, Siemens and ABB.

They are modular system of panels for command, control, protection, synchronizing and measurement for generators, substation and distribution cabinets.

Our Panels are manufactured in according to customers specifications, they can be equipped with synoptic table with manual operator commands, alarms panels, router or switches for connection in cable or optical fiber, decentralized I/O modules, special apparatus in account job for control and protection of apparatus.

In our protection and control panels may house various equipment, including:

- Protection & Control IEDs
- Meters & Fault Recorders
- Control Switches & Mimic Panels
- Network Switches & GPS Clocks
- PLC Equipment
- Industrial Computers & HMI Monitors



POWER CENTER



ADVANTAGES :

- a modular construction, divided into metallic compartment; guarantee service continuity;
- guarantees maximum safety,
- a easy inspection and maintenance;
- minimum overall dimensions;
- to be designed to suits customer's requirements

Our Power center switchboard are used mainly in applications where high level of performance and reliability are required. They are designed for use in any installation where electric energy is produced, transformed and distributed..

They are built of standardized compartments, suitable for housing and making connections to power components and measuring instruments and other operation and control equipment. They may have one or more incoming units, bus-couplers and a number of outgoing units.

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Ambient temperature	55°C



DISTRIBUTION SWITCHBOARD



ADVANTAGES :

- System modularity that makes it possible to integrate numerous functions in a single distribution switchboard, including protection, distribution switchboard maintenance, operation and upgrades
- Distribution switchboard design is fast because it simply involves adding functional modules

A distribution switchboard is the point at which an incoming-power supply divides into separate circuits, each of which is controlled and protected by the fuses or switchgear of the switchboard. A distribution switchboard is divided into a number of functional units, each comprising all the electrical and mechanical elements that contribute to the fulfilment of a given function. It represents a key link in the dependability chain.

The type of distribution switchboard be wholly modified for its purpose. Therefore, its design and construction must conform to the applicable electrical and work place

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Degree of protection acc. DIN EN 60529	IP54 – IP66
Ambient temperature	55°C



CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

Inesing S.p.A.

Registered Office: Via Cavour, 11 – 31015 Conegliano (Treviso) - Italy
Headquarters: Via della Industria, 18/B - 24040 Casirate d'Adda (Bergamo) - Italy

has been approved by Lloyd's Register Quality Assurance to the following Quality Management System Standards:

ISO 9001:2008

The Quality Management System is applicable to:

Design, assembly and wholesale marketing of products and systems for the generation, transformation, transmission, distribution and use of electricity in High, Medium, and Low voltage and lighting systems.

Approval Certificate
No: LRC 6017273/QMS/U/EN

Original Approval: 29th April 2013
Current Certificate: 26th September 2016
Certificate Expiry: 14th September 2018

Issued by: Lloyd's Register
for and on behalf of



CERTIFICATE OF APPROVAL

This is to certify that the Occupational Health & Safety Management System of:

Inesing S.p.A.

Via dell'Industria, 18/B
24040 Casirate d'Adda (Bergamo) - Italy

has been approved by Lloyd's Register Quality Assurance to the following standard:

OHSAS 18001:2007

The Occupational Health & Safety Management System is applicable to:

Design, assembly and wholesale marketing of products and systems for the generation, transformation, transmission, distribution and use of electricity in High, Medium and Low voltage and lighting systems.

Approval Certificate
No: LRC 6025913/OHS/U/EN

Original Approval: 30th October 2015
Current Certificate: 26th September 2016
Certificate Expiry: 29th October 2018


Lloyd's Register Quality Assurance Italy Srl
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Inesing S.p.A.

Via dell'Industria, 18/B
24040 Casirate d'Adda (Bergamo) - Italy

has been approved by Lloyd's Register Quality Assurance to the following Environmental Management System Standard:

ISO 14001:2004

The Environmental Management System is applicable to:

Design, assembly and wholesale marketing of products and systems for the generation, transformation, transmission, distribution and use of electricity in High, Medium and Low voltage and lighting systems.

Approval Certificate
No: LRC 6025913/EMS/U/EN

Original Approval: 30th October 2015
Current Certificate: 26th September 2016
Certificate Expiry: 14th September 2018


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