



# Logstrup Solutions

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**Logstrup**

## Logstrup Solutions



The flexible Logstrup system offers a range of solutions depending on purpose and industry.

# Total Systems



Logstrup provides a total low voltage electrical equipment package to cover all applications.

Because of the unique design and adaptability of the product all of the following solutions can easily be supplied and even integrated into the same enclosure:

- Busbar Trunking System
- Packaged Substations
- Main Switchboards
- Distribution Boards
- Power Factor Correction Cubicles
- Motor Control Centre (Fixed and Withdrawable)
- Process Control Panel
- 19" Rack Systems
- Service Ducting
- RFI / EMP Shielded Cabinets
- Consoles and Control Desks

The use of one product range reduces costs, maintains a high level of safety and quality and ensures a uniform design throughout the plant.

## Unit Substations



Complete unit substations can be constructed from the standard modular system.

Doors and plates of the transformer house may be customised to clients specifications depending on ventilation and safety requirements.

# Switchboards



Logstrup offers the complete range from packaged substations to main / sub-distribution boards with nominal ratings from 250A up to 8000A.

Incoming feeder sections and bus-coupler arrangements are available for rated currents up to 6300A. Power factor correction equipment, if required, can be built into the switchboard.

Bus duct arrangement to transformers or between panel sections can be made in the Logstrup enclosure and busbar system. This ensures complete integration and provides a professional uniform design throughout the switchroom.

Full freedom of choice is offered in the selection of electrical equipment with regard to type and manufacturer of breakers for fixed, removable and withdrawable versions. Segregation level up to Form 4B is available as a standard.

## MCC's



The complete modularity of the Logstrup system allows maximum freedom when designing Motor Control Centers.

The physical dimensions of each compartment can be varied in width, height and depth to accommodate the various space requirements for different starter types:

- Direct on Line
- Autotransformer Starters
- Star Delta
- Variable Speed Drives
- Soft Start

In order to meet the high demand for uninterrupted power supply in industries with complex manufacturing technologies or critical services, motor control centers can be made in fixed, removable, fully withdrawable or any combination thereof.

The system will also allow the design of intelligent motor control centers which integrate electronic and programmable devices connected to a network such as DeviceNet and ProfiBus together with traditional electromechanical equipment.

# Marine



Logstrup has been involved in the design and manufacture of Low Voltage Systems for 50 years. During this time the company has been a major supplier to the marine & offshore industries.

## Custom Design

Marine Switchboards and Motorcontrol Centers are available in various types:

- Fixed Type
- Removable Type
- Withdrawable Type
- Inline Type

Logstrup provides customised solutions for Bridge Control Consoles using the latest 3D technology. Services include:

- 3D Concept Model
- 3D Visualisation
- Detailed design
- CAD/CAM manufacturing
- Precision welding
- Manufactured in mild or stainless steel
- Choice of colours and textures

## Flexibility

The framework and cladding system provides the most robust flexible system available:

- High strength 5 bend profile
- IP 3X and IP 44 standard (IP 54 optional)
- 2mm Aluzinc material
- Special colours available
- Modular in 3 axes
- Customised door cut-out's
- Doors in 1.5mm or 2.0mm

The busbar system forms the main power distribution within an assembly and is one of the critical elements determining the assembly's operational reliability and safety. Features of the busbar system include:

- 2, 3 or 4 bar systems up to 8,500A
- IP 20 protection
- High fault level up to 135kA
- Internal Arc barriers ( optional )
- Rated voltage 690 V AC
- Fitted to top, centre or bottom of panel

## Maintenance of correct temperature

Logstrup Marine & Offshore Panels incorporate advanced features to ensure optimum use of space on the vessel while still maintaining correct temperature within the panels.

- Front or Rear Access
- Ventilation front and back
- Raised roofs to IP 31
- Interlacing of phases

## Modular Design

Logstrup has been supplier of the following to the Marine Industry:

- Main Switchboards
- Bridge Control Consoles
- Motorcontrol Centers
- Busbar Ducts
- Control Panels



Systems are available as loose part kits or mechanically assembled.

## Safety

The primary demand in today's society is personal safety. Logstrup marine & offshore panels achieve the highest safety standards:

- Type Test acc. IEC 60439-1
- Thermographic inspection areas
- Internal Arc Test acc. IEC 61641
- Mechanical safety interlocks
- Ships Classifications
- IP 20 internal protection
- Arc Barriers
- Protection of degrees