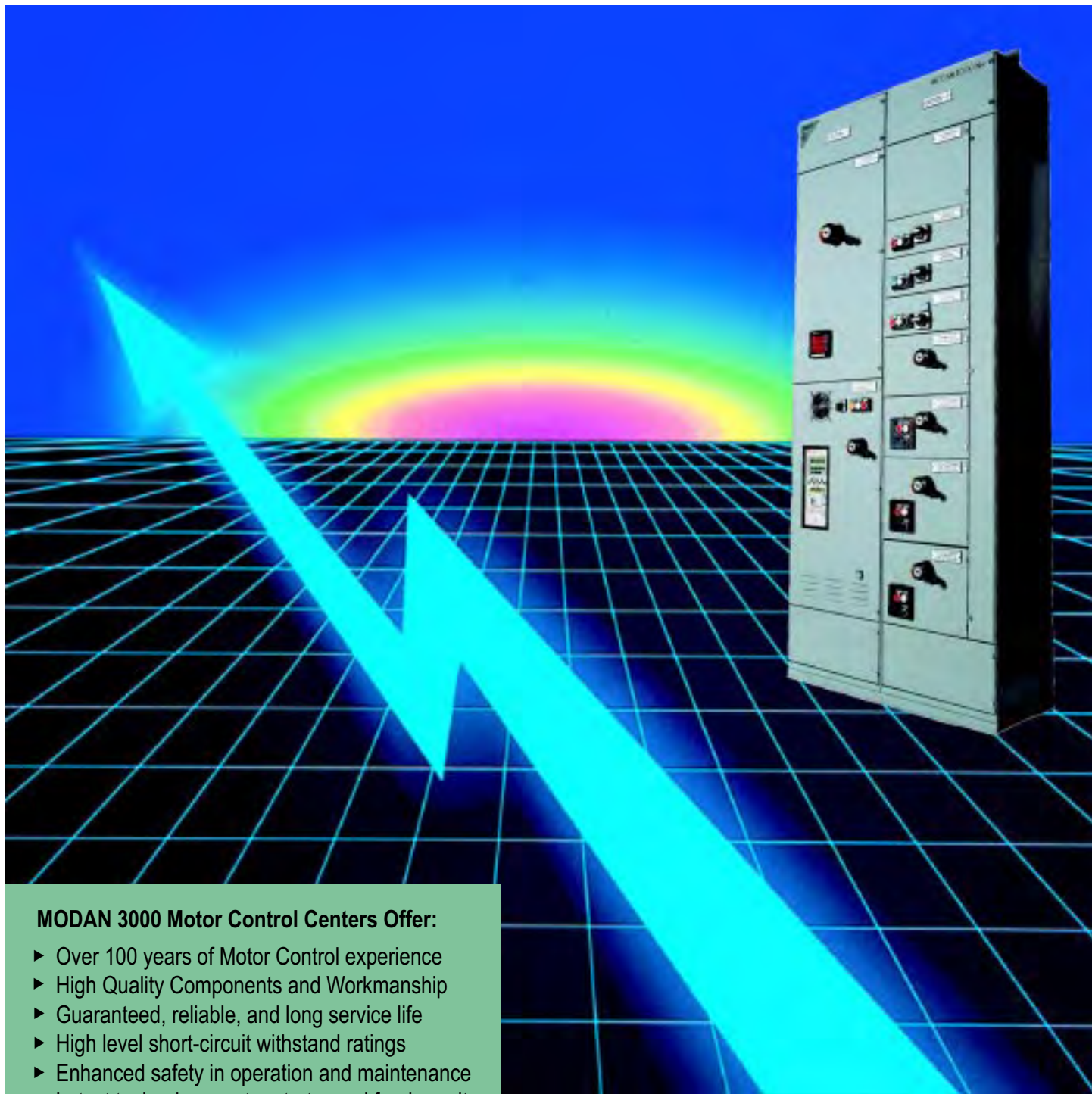


Modan 3000

ADVANCED TECHNOLOGY, INDUSTRIAL GRADE MOTOR CONTROL CENTER



MODAN 3000 Motor Control Centers Offer:

- ▶ Over 100 years of Motor Control experience
- ▶ High Quality Components and Workmanship
- ▶ Guaranteed, reliable, and long service life
- ▶ High level short-circuit withstand ratings
- ▶ Enhanced safety in operation and maintenance
- ▶ Latest technology motor starter and feeder units
- ▶ Optimum use of mounting space without sacrificing work space
- ▶ Multiple savings in installation, operation and maintenance

ADVANCED TECHNOLOGY, INDUSTRIAL GRADE MOTOR CONTROL CENTER



9 inch high, full width, full depth, empty horizontal wireway with hinged doors.

Main busbars located below the wireway.

Solid-state trip 65 kA RMS sym. high fault current interrupting 600 Amp main circuit breaker.

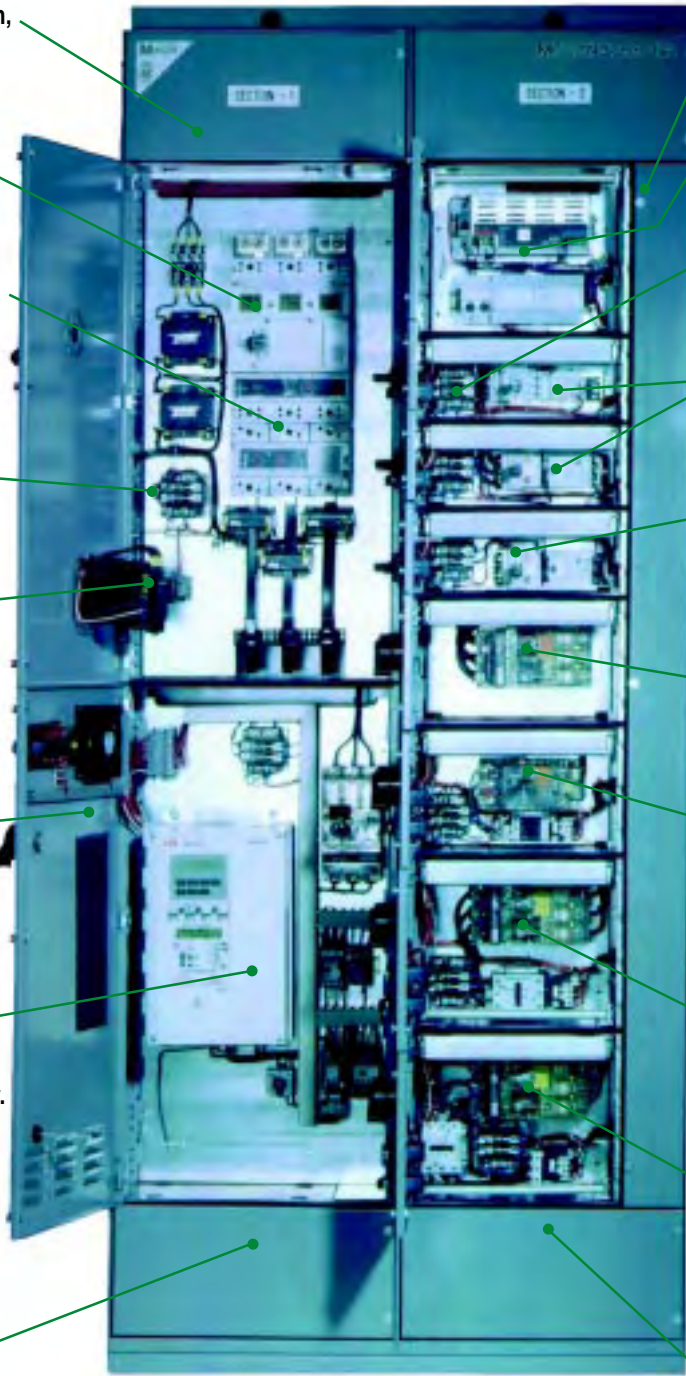
Sturdy 14 gauge reinforced structure.

Solid-state digital triple display, multifunction power monitoring system.

All doors are individually removable, ground connected to structure.

Adjustable frequency drive and bypass system rated 10/15 HP with 65 KA RMS sym. high fault current withstand capacity.

Horizontal ground busbar with cable connection facilities located in the wireway.



36 sq. inch cross-section vertical wireway.

Fully automated control of motor starters, VFD, power monitoring via compact PLC.

3 inch high space factors, 6 inch minimum height units, maximum 12 units per section.

Compact, high performance, Type 2 coordinated, fuseless motor controllers.

Self-protected motor controllers rated up to 30 HP, 65 kA RMS sym. offering damage-free protection.

65 kA RMS sym. high fault-interrupting current-limiting feeder circuit breaker.

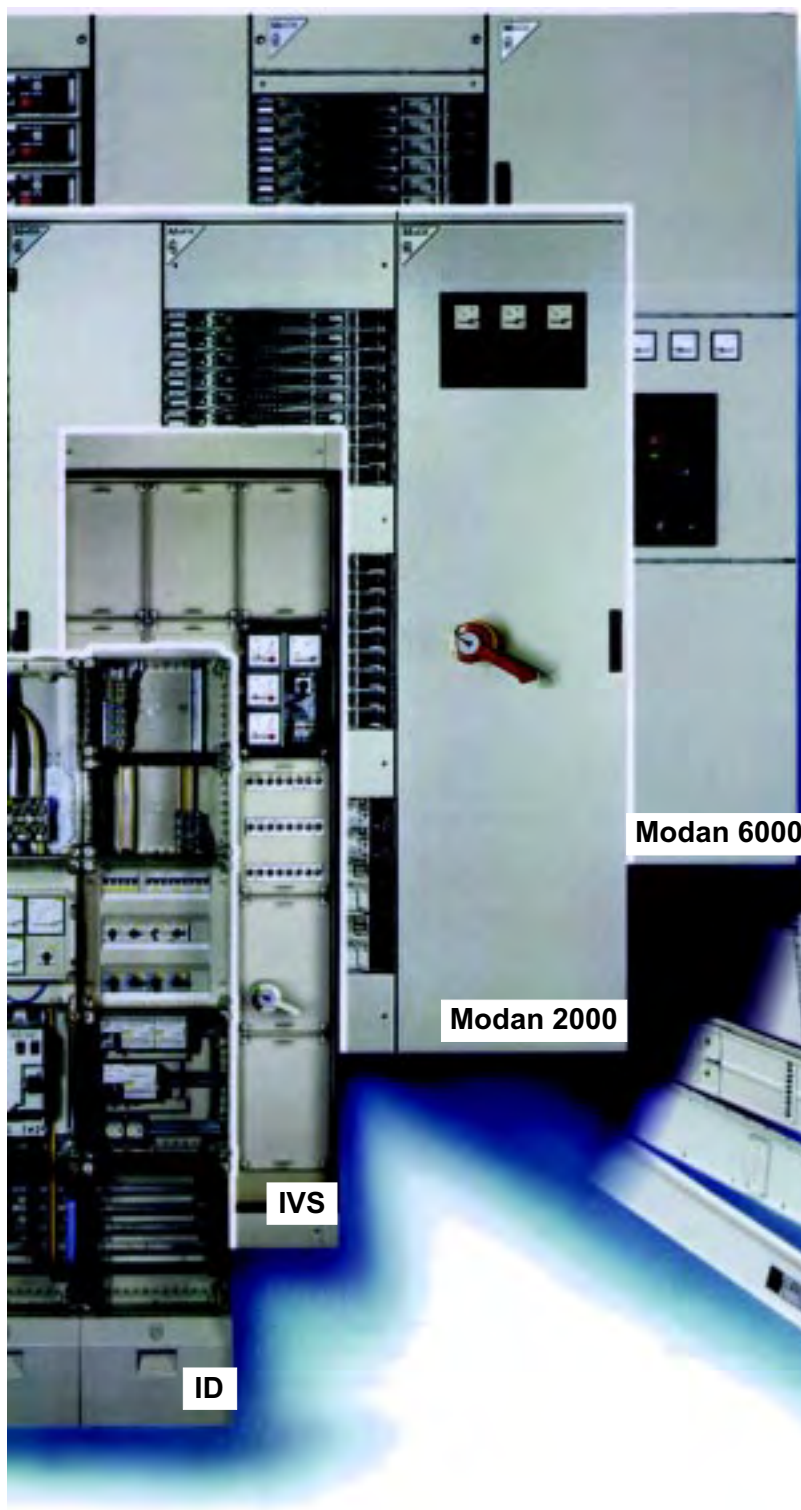
Compact high performance, 10 HP, 100 kA RMS sym. fault current withstand rated circuit breaker combination motor controller.

Compact high performance, 25 HP, 65 kA RMS sym. fault current withstand rated circuit breaker combination motor controller.

Compact high performance, 50 HP, 65 kA RMS sym. fault current withstand rated circuit breaker combination motor controller.

10 inch high, full width, full depth, spacious horizontal wireway.

Moeller Electric offers a complete line of IEC 439 type-tested low voltage Power Distribution and Motor Control Systems rated up to 6300 Amps and Busduct Systems rated up to 5000 Amps.



Modan 6000

Switchgear and Motor Control Centers with current ratings to 6300 Amps, available as withdrawable, removable and fixed mounted units.

Modan 2000

Switchboards and Motor Control Panels with current ratings to 2500 Amps.

ID

Nonmetallic Power Distribution and Motor Control Panels with current ratings up to 1600 Amps.

IVS

Power Distribution Panelboards with current ratings up to 630 Amps.

LD / BD / CD

Busduct Systems with current ratings up to 5000 Amps.

Modan 6000

Modan 2000

IVS

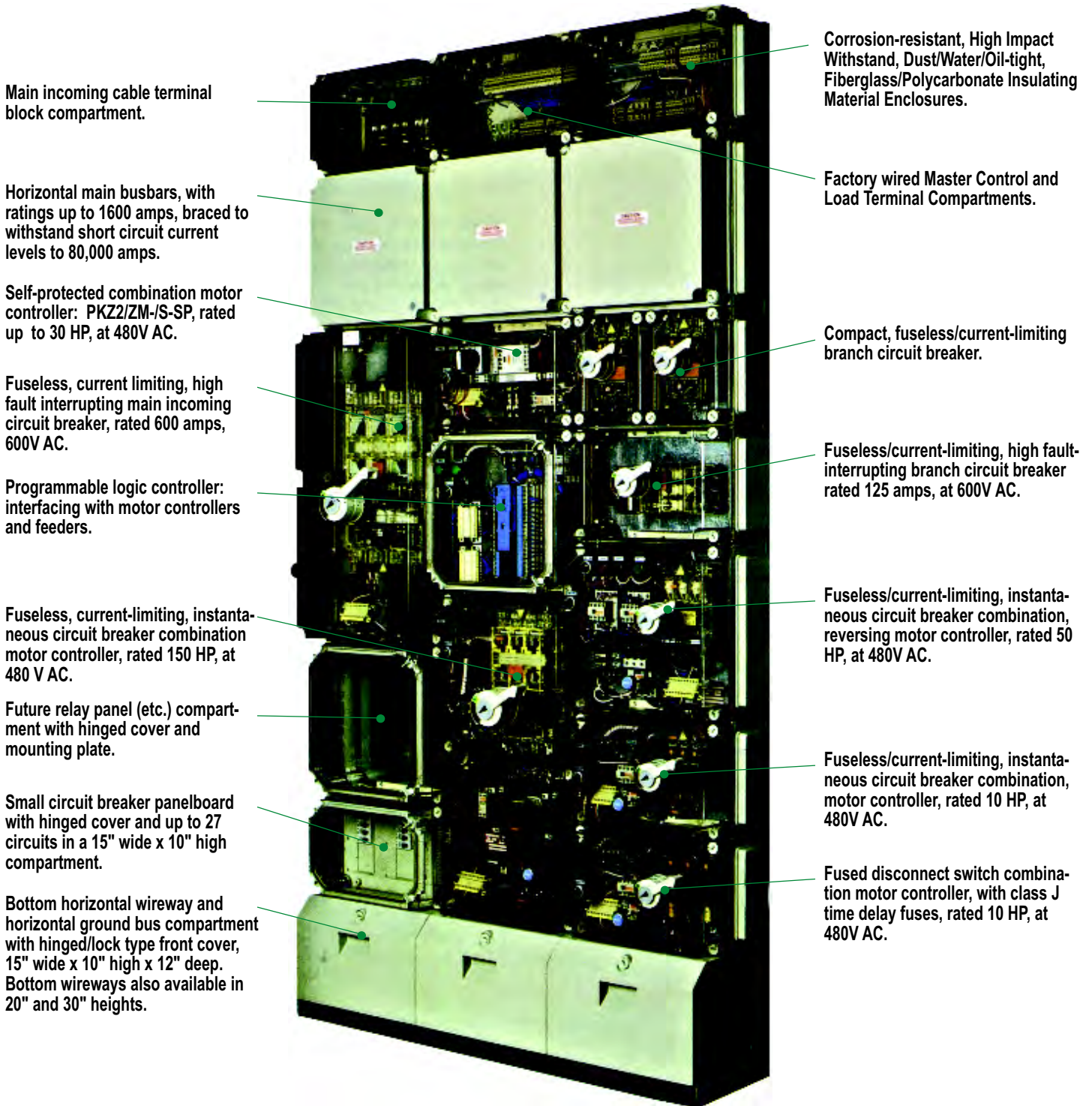
ID

LD, BD, CD

Type-tested to IEC 439 for International Applications

Type ID Nonmetallic, Corrosion-resistant, Dust/Water/Oil-tight, Insulating material enclosed Motor Control Panels...

For applications, where the main concern is protecting operating personnel from electrical shock hazards and shielding electrical/electronic equipment from harsh industrial environments.



Main incoming cable terminal block compartment.

Horizontal main busbars, with ratings up to 1600 amps, braced to withstand short circuit current levels to 80,000 amps.

Self-protected combination motor controller: PKZ2/ZM-/S-SP, rated up to 30 HP, at 480V AC.

Fuseless, current limiting, high fault interrupting main incoming circuit breaker, rated 600 amps, 600V AC.

Programmable logic controller: interfacing with motor controllers and feeders.

Fuseless, current-limiting, instantaneous circuit breaker combination motor controller, rated 150 HP, at 480 V AC.

Future relay panel (etc.) compartment with hinged cover and mounting plate.

Small circuit breaker panelboard with hinged cover and up to 27 circuits in a 15" wide x 10" high compartment.

Bottom horizontal wireway and horizontal ground bus compartment with hinged/lock type front cover, 15" wide x 10" high x 12" deep. Bottom wireways also available in 20" and 30" heights.

Corrosion-resistant, High Impact Withstand, Dust/Water/Oil-tight, Fiberglass/Polycarbonate Insulating Material Enclosures.

Factory wired Master Control and Load Terminal Compartments.

Compact, fuseless/current-limiting branch circuit breaker.

Fuseless/current-limiting, high fault-interrupting branch circuit breaker rated 125 amps, at 600V AC.

Fuseless/current-limiting, instantaneous circuit breaker combination, reversing motor controller, rated 50 HP, at 480V AC.

Fuseless/current-limiting, instantaneous circuit breaker combination, motor controller, rated 10 HP, at 480V AC.

Fused disconnect switch combination motor controller, with class J time delay fuses, rated 10 HP, at 480V AC.

Available in Freestanding and Wall-mounting Forms

High Quality, Advanced Technology Assemblies, Designed, Constructed and Tested For North American or International Destinations – including CE Applications.

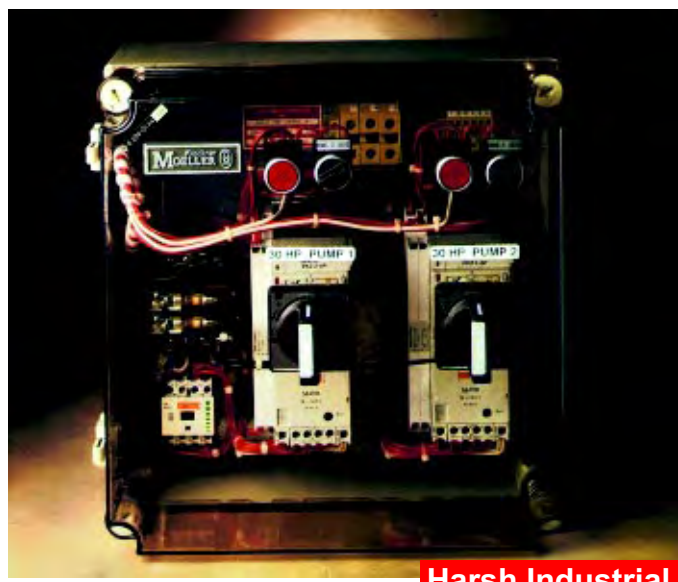
High Quality Components from Moeller Electric are the Necessary Ingredients for High Quality Control Panels



Pumps, Compressors and Vacuum Pumps

Moeller Electric is a world-renowned, full-line manufacturer of high quality industrial electrical and electronic components, engineered assemblies and enclosures. Control panels with Moeller Electric installed components are lab-tested, application selected and fully coordinated for protection against short-circuit, overload and motor single-phasing induced damages, etc. Moeller Electric control panels can be engineered to protect, switch and control the connected equipment throughout their expected lifespan.

Complex, Multiple Pump Applications



Harsh Industrial Environments

High Quality, Advanced Technology Assemblies, Designed, Constructed and Tested For North American or International Destinations – including CE Applications.

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ICA 1000 - High Short Circuit Withstand Rated Machine Tool Control Panel with busbar mounted/fed UL 508 Type E self-protected combination motor controllers



Special Manufacturing Processes for Export

Large and Complex Special Industrial Process Control Panel with PLC Automation



ICA 1000 - High Short Circuit Withstand Rated Adjustable Frequency Drive Control Panel with Bypass



Approvals and Certifications

Systems and devices... for world markets.

Moeller Electric products are accepted in all countries where official approval is required. If you export, this fact can save you and your customers the trouble of having to deal with individual approval authorities. At Moeller Electric, we take into account national and international specifications and regulations right from the design stage so that the equipment will meet the local specifications.

UL **CSA**[®]

Contact
Moeller Electric, the
"Export Expert"
with your specific
North American or
International requirements,
including

CE

for Europe.

The Moeller Electric quality management system encompasses all Company areas and activities: from marketing through to product application and customer, their needs, their objectives, and their approaches to problems. Together with its employees, Moeller Electric has founded a quality management system which is considered exemplary all over the world.



C E R T I F I C A T E

**DQS Deutsche Gesellschaft zur Zertifizierung
von Managementsystemen mbH**
Qualitäts- und Umweltgutachter

hereby certifies that the companies

Moeller Holding GmbH & Co. KG

Hein-Moeller-Straße 7-11
D-53115 Bonn

Klöckner-Moeller GmbH

Hein-Moeller-Straße 7-11
D-53115 Bonn

Klöckner-Moeller Vertrieb Deutschland GmbH

Adenauerallee 90
D-53113 Bonn

with the locations as listed in the annex

Development, production and sales of electrical and electronic equipment systems and components

have implemented and maintains a

quality system.

A quality audit, documented in an audit report, has verified
that this quality system fulfills the requirements
of the following standard:

DIN EN ISO 9001

August 1994 edition

This certificate is valid until 2001-07-22

Certificate Registration No. 177-02

Frankfurt am Main, Berlin 1998-07-23

Dr.-Ing K. Petrick

MANAGING DIRECTOR

Dipl.-Ing. J. Pärsch

Offices: D-60433 Frankfurt am Main, August-Schanz-Straße 21
D-10787 Berlin, Burggrafenstraße 6

Moeller Electric first received ISO 9000 certification in 1991. The Company qualified for its third tri-annual recertification in July 1998. — **All-around Quality, Right from the Start**