

Reliable Switchgear from One Proven Supplier

Xtra Combinations

Xtra Combinations from Moeller offers a range of products and services, enabling the best possible combination options for switching, protection, control and visualization in power distribution and automation.

xCommand



xControl



xStart



xEnergy

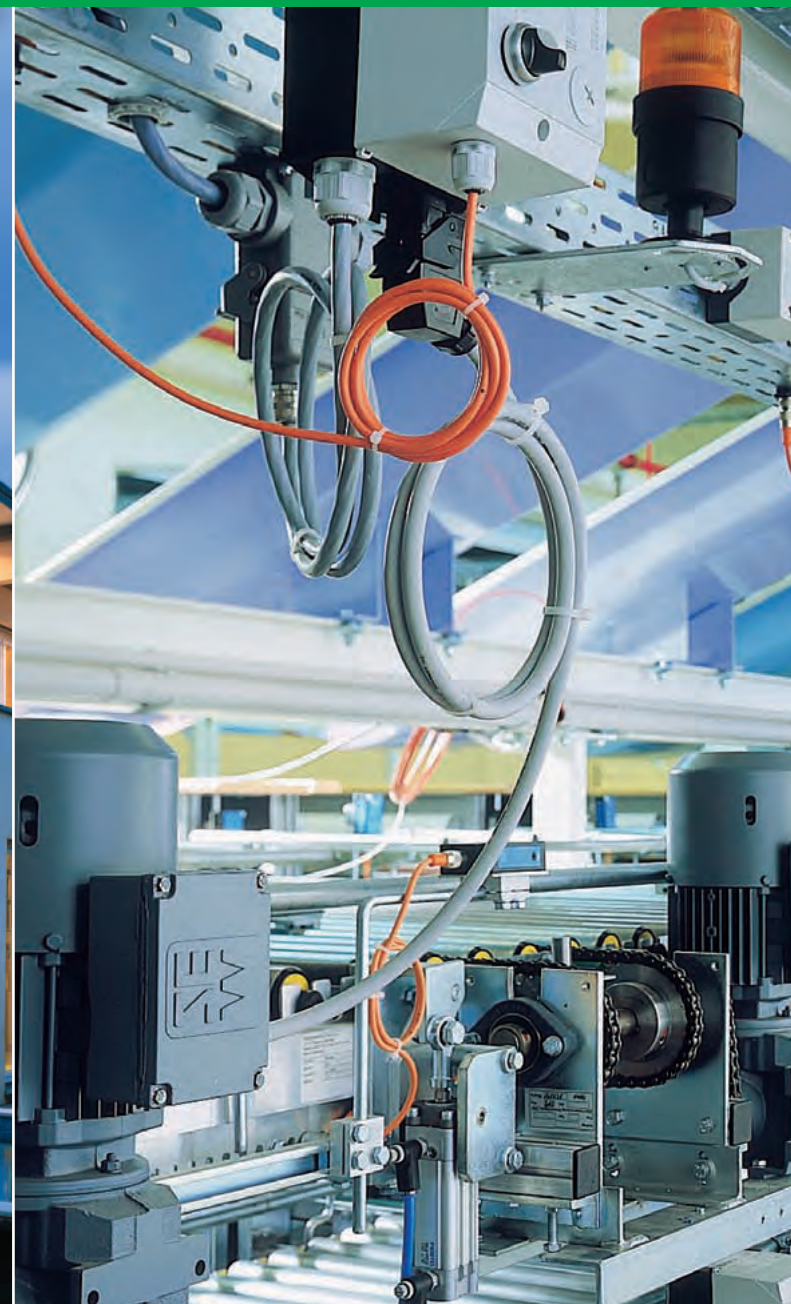


MOELLER



We keep power under control.

We keep power under control.



Quality and innovation

Handling electrical energy, giving it form and direction, making effective use of it where it is needed, this has been our mission for over a century. With quality products and technical innovation with products and solutions for industry and buildings.

Electrical engineering with verve

As leading specialists in electrical engineering we aim to impress you with the Moeller brand. For wherever power distribution, switching, protecting, operating, monitoring and controlling are required, we are your ideal partners.

Right around the world

Internationalism is our mission. You'll find us wherever markets are growing: available as partners in your location, with our own branches and production sites - your strong local partner with global expertise. With short routes and a global sales network made up of our own national subsidiaries and distributors in over ninety countries.











With passion for our customers

Our employees are always open for new challenges. Constantly offering new ideas, we design the future of electrical engineering and help you to create efficient and future-oriented solutions. With passion and concentration on what we can do: power distribution and automation.

For Moeller Electric Sales and Support call KMparts.com (866) 595-9616

Industrial switchgear
Main catalogue 2007/2008



New items		1	NEWS	
Control and Indication		2	Control circuit devices RMQ-Titan, RMQ16 Signal towers SL	
		3	Position switches LS +++ Proximity switches LS +++ Pressure switches MCS	
Switching, control and visualisation		4	Electronic relays ETR, EMR, ESR +++ Easy Relay, easy HMI, easy Control Controllers XC100, XC200, PS4, PS416 +++ HMI devices MI4 +++ Power supply units SN3, GW4, GD4	
		5	Mini contactor relays DILER, DILEM +++ Contactor relays DILA +++ Contactors DILM7...DILM1600, DILH1400... DILH2000 +++ lighting contactors DILL +++ 4 pole contactors DILP +++ Contactors for capacitor DILK Contactor combinations SDAINL, DIUL +++ Contactor monitoring devices CMD	
		6	Overload relays ZE, ZB12...ZB150, Z5 +++ Current transformer-operated overload relays ZW7 Electronic motor-protective system ZEV +++ Thermistor relay EMT6	
		7	Rotary switches T +++ Switch-disconnectors P Small enclosures CI-K +++ Empty enclosures CI-B, CI-C, CI-D	
Switching and Protection		8	Motor-protective circuit-breakers PKZM0, PKZM1, PKZM4 Motor-protective circuit-breakers with plug-in trip units PKZ2	
		9	Motor starter combinations: DOL starter MSC-D, Reversing starter MSC-R Motor starter on busbar adapter MSC.../BBA +++ Control wiring system SmartWire	
		10	Circuit-breakers NZM1, 2, 3, 4 up to 2000 A Switch-disconnectors N, NS, PN up to 1600 A	
		11	IZM from 630 to 6300 A IN from 630 to 6300 A	
Matching of Voltage and Current		12	Control transformers STN, STI, STZ, DTZ Multi-winding transformers UTI +++ Universal power supply units AING	
Power Distribution		13	Insulated enclosures CI: empty enclosures, fitted enclosures, mounting and busbar systems Insulated distribution boards CI: panel enclosures, distribution board assembly	
Motor Control and Regulation		14	Soft starters DS4, DS6, DM4	
		15	Frequency inverters DF51, DF6 Vector frequency inverters DV51, DV6	
Switching and Protection		16	Miniature circuit-breakers FAZ +++ Residual current devices FI Fuse material, low-voltage h.b.c. fuse bases GSU +++ Switch-disconnector GST	
Approvals		A1	Approvals for world markets +++ Shipping classifications	
Infos		A2	General +++ Alphabetical index +++ Sales branches	

LS-Titan: Basic devices now also in screw terminal design, safety door switch LSR and safety position switch LS...-ZB(Z)

Position switches LS-Titan are now available in screw terminal and cage clamp design.

The safety position switches and door switches feature the black-yellow colour combination preferred for safety engineering applications and are approved by the employers liability insurance association.

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DILL – Safe switching of lamp loads

Additional contactor series expands the xStart range.

The DILLS are based on the DILM contactors and are optimised for lamp switching. Their high switching capacity enables them to control the inrush currents of all lamp types.

The box terminals for connecting large conductor cross sections make it possible to bridge large distances.

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MSC.../BBA – Motor starter wired even faster

The reduction of the time required for mounting MSC motor starters using tool-less plug connectors has been developed even further with the MSC.../BBA. Motor starters fully mounted on the busbar adapter guarantee the shortest possible mounting times. A "plug & play" functionality when the system is maintained reduces machine downtimes, enabling the installation to be restored quickly to operation.

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easyControl EC4P – Powerful compact PLCs

easy Control EC4P can be used for implementing both small and medium-sized automation solutions. The devices can be expanded with I/O and network modules from the easyRelay system. A special feature is the large number of interfaces available: CANopen, easyNet and Ethernet.

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Rear drive for NZM1 and NZM2

A main switch with a door coupling rotary handle in a restricted space: the rear drive for circuit-breakers and switch-disconnectors. For implementing worldwide from a rated current of 16 to 250 A and for short-circuit levels up to 150 kA in compliance with IEC and UL/CSA requirements. The "invisible" 4-fold screw fixing allows the compact mechanical system to be mounted in any location in the control panel.

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easyHMI: Input/output modules with temperature measuring

The new easyHMI input/output modules enable PT100 or NI1000 temperature sensors to be connected directly. Two-wire or 3-wire connections are possible. The modules are designed for different temperature ranges with and without output analog outputs.

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NZM1 and NZM2: Inexpensive system protection up to 36 kA at 400 V and 250 A

For a wide range of standard applications such as power supply networks with supply transformers up to 2 x 630 kVA, Moeller offers inexpensive compact circuit-breakers with a short-circuit breaking capacity of 36 kA for rated currents up to 250 A.

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easyConnect SmartWire: Connect don't wire

SmartWire reduces the control wiring by up to 80% and moves the I/O of the PLC to the switching device. Wiring errors are therefore no longer possible. Existing Moeller switching devices do not have to be changed and can be used further. Gateways are available to connect SmartWire to PROFIBUS DP, CANopen or easyNET.

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Residual-current module for NZM1 to 125 A

Residual current release modules for protecting persons and systems, suitable for any mounting requirement. This compact solution does not require any auxiliary voltage is available in 3 and 4-pole versions as well as with different rated residual currents.

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Everything from a Single Source: Products for Industry and Buildings

Your brands for industrial automation

xCommand

Control and indication – in an ergonomical and attractive design. Switching control reliably and accurately.

xControl

Innovative automation products for controlling, operating and monitoring machines and electrical installations.

xStart

The complete range for the motor feeder. From the contactor via efficient motor starters up to the variable speed drive. New communication-based solutions.

xEnergy

Reliably and safely controlling, switching and managing power, in industry, in buildings and in machine construction. Innovative protective concepts. Diagnostics and communication built in. Compactly housed in state-of-the-art switchboards.

Your brands for
building automation

Xpole

Installation devices of the new generation, ensuring safe electrical installations worldwide – optimum operating safety for persons and electrical systems.

Xboard

The new service distribution concept for power distribution in residential and utility buildings – from 63 to 1600 A.

Xcomfort

Moeller's Xcomfort product range offers a number of new options for convenient electrical installation.

Xpatch

The product and system ranges for implementing future-oriented data networks up to Category 6.