

ELECTRICAL CONTROL SOLUTIONS

PANEL BUILDING

International reputable brands that we incorporate in our panels

ABB



Circuit Breakers
Magnetic Contactors Thermal
Overload Relays

GEWISS



Miniature Circuit Breakers
Polyester Distribution Board
Industrial Plugs & Sockets

IDEC



Control Units
Power Relays
Timers
Power Supply
Smart Relays
Programmable Logic Controllers
Terminal block

McGILL

BUILD BEYOND BOUNDARIES



Consumer Enclosures
Mechanical Lugs
Compression Lugs
Cable Ties
Cable Trunking

Different Type of Panels

1. Low-voltage Switch Gear
2. Distribution Panel
 - Main Distribution Panel
 - Power Panel
 - Lighting Panel
3. Motor Control Center
4. Enclosed Circuit Breaker
5. Control Panel
 - Direct On-line (DOL)
 - Wye Delta (Y-Δ)
6. Transfer Switches
 - Manual
 - Automatic
7. Consumer Enclosure

PENNUNION



Terminal Lugs
Penn-crimps
Ring Terminal
Butt Connector
Ground & Solderless Connectors

wöhner



Crossboard
Busbarring System

HELUKABEL



Single Core Cables:
HO5V-K (300/500V)
HO7V-K (450/750V)

GRÄSSLIN

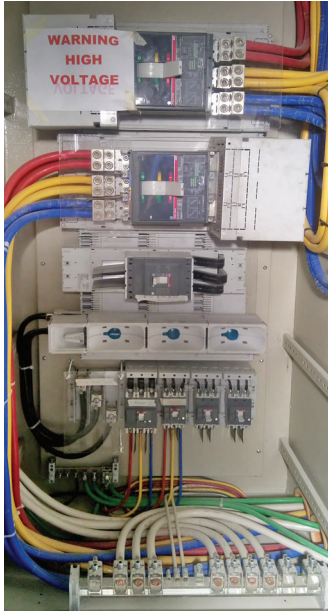
by INTERMATIC



talento smart
Time Switches



Low-voltage Switch Gear (LVSG)



CURRENT RATING

Up to 6,300 Amperes

BREAKER TYPES

Air Circuit Breaker
Molded Case Circuit Breaker

DISTRIBUTION SYSTEM

3 Phase 4W (with Solid Neutral) + G
3 Phase 3W + G

BUSBAR SYSTEM

Wohner Busbar System
Conventional Busbar System

ENCLOSURE TYPE

1.8~2.1mm thick GI sheet
Powder Coated Finish
RAL7032 (Customizable) Color
Single/Multi Vertical

MOUNTING TYPE

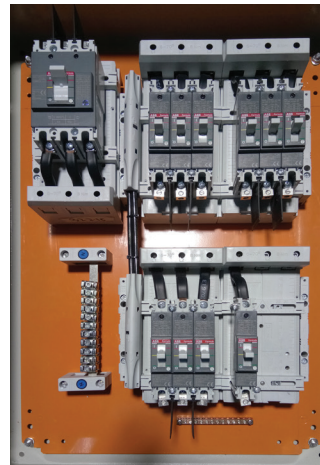
Free Standing

DEGREE OF PROTECTION

NEMA 1, NEMA 12, NEMA 3R, NEMA 4

- Additional accessories (e.g. Metering, Earth Leakage Protection, Voltage & Current Monitoring Circuit, and others) can be integrated in the panelboard as per request/requirement.
- Vertical enclosure units can be designed with provision so future columns can be added without significant fabrication or interruptions of service.

Distribution Panel (MDP/DP/PP/LP)



CURRENT RATING

Up to 1,600 Amperes

BREAKER TYPES

Molded Case Circuit Breaker
Miniature Circuit Breaker

DISTRIBUTION SYSTEM

3 Phase 4W (with Solid Neutral) + G
3 Phase 3W + G
1 Phase 2W (with Solid Neutral) + G
1 Phase 2W + G

BUSBAR SYSTEM

Wohner Busbar System
Conventional Busbar System

ENCLOSURE TYPE

1.5~1.8mm GI sheet
Powder Coated/Epoxy Polyester Coated Finish
RAL7032 (Customizable) Color
Single/Multi Vertical

MOUNTING TYPE

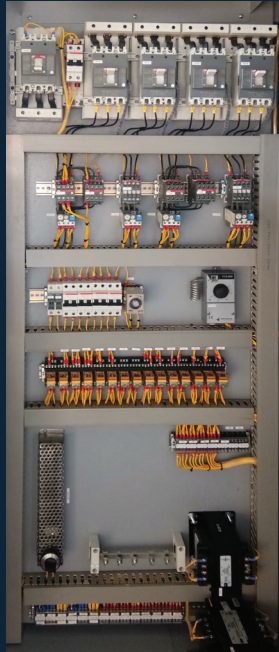
Free Standing
Wall Mounted

DEGREE OF PROTECTION

- McGill Enclosure
NEMA 12 / NEMA 4 / NEMA 4X*
 - Local Fabricated:
NEMA 1, NEMA 12, NEMA 3R, NEMA 4
- Additional accessories (e.g. Metering, Earth Leakage Protection, Voltage & Current Monitoring Circuit, and others) can be integrated in the panelboard as per request/requirement.



Motor Control Center



CURRENT RATING

Up to 1, 000 Amperes (main breaker)

STANDARD COMPONENTS

Miniature Circuit Breaker
Molded Case Circuit Breaker
Magnetic Contactor
Thermal Overload Relay
Door Mounted Control Units

DISTRIBUTION SYSTEM

3 Phase 4W (with Solid Neutral) + G
3 Phase 3W + G
1 Phase 2W (with Solid Neutral) + G
1 Phase 2W + G

BUSBAR SYSTEM

Wohner Busbar System
Conventional Busbar System

ENCLOSURE TYPE

1.5~1.8mm GI sheet
Powder Coated/Epoxy Polyester Coated Finish
RAL7032 (Customizable) Color
Single/Multi Vertical

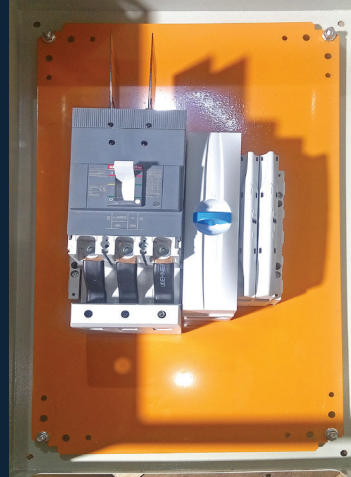
MOUNTING TYPE

Free Standing
Wall Mounted

DEGREE OF PROTECTION

- McGill Enclosure:
NEMA 12 / NEMA 4 / NEMA 4X*
- Local Fabricated:
NEMA 1, NEMA 12, NEMA 3R, NEMA 4

Enclosed Circuit Breaker



CURRENT RATING

Up to 1, 600 Amperes

BREAKER TYPES

Miniature Circuit Breaker
Molded Case Circuit Breaker

DISTRIBUTION SYSTEM

3 Phase 4W (with Solid Neutral) + G
3 Phase 3W + G
1 Phase 2W (with Solid Neutral) + G
1 Phase 2W + G

ENCLOSURE TYPE

1.5mm GI sheet
Powder Coated/Epoxy Polyester Coated Finish
RAL7032 (Customizable) Color

MOUNTING TYPE

Free Standing
Wall Mounted

DEGREE OF PROTECTION

- McGill Enclosure:
NEMA 12 / NEMA 4 / NEMA 4X*
- Local Fabricated:
NEMA 1, NEMA 12, NEMA 3R, NEMA 4

- Additional accessories (e.g. Metering, Earth Leakage Protection, Voltage & Current Monitoring Circuit, and others) can be integrated in the panelboard as per request/requirement.

- Custom Designed with controls from simple DOL motor Control circuits to Complex PLC & HMI programming w/ complete Control accessories like pilot light indicators, pushbuttons, selector switches and breaker extended rotary switches.



Control Panel

DIRECT ON-LINE (DOL)



MOTOR RATING

Up to 30HP (22KW)

SYSTEM VOLTAGE COMPATIBILITY

220 – 480Vac 3Ph 60Hz

220 – 240Vac 1Ph 60Hz

STANDARD COMPONENTS

Molded Case Circuit Breaker

Miniature Circuit Breaker

Magnetic Contactor

Thermal Overload Relay

Door Mounted Control Units

ENCLOSURE TYPE

1.5mm GI sheet

Epoxy Polyester Coated Finish

RAL7032 Color

MOUNTING TYPE

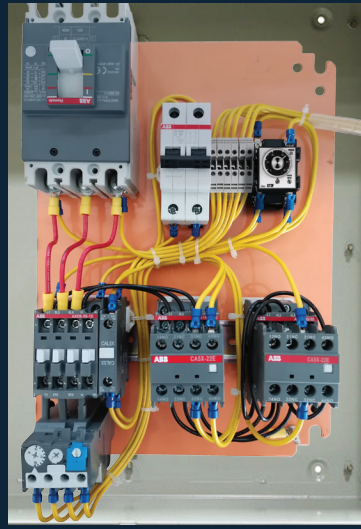
Wall Mounted

DEGREE OF PROTECTION

NEMA 12 / NEMA 4 / NEMA 4X

- Available with standard designs (with Pilot light indicators, Pushbuttons and/or Selector Switches) for up to 30HP (22KW) 3Ph 60Hz 230 – 480Vac Motors.
- Custom Designs for higher motor rating and additional functionality requirement

WYE - DELTA (Y-Δ)



MOTOR RATING

Up to 50HP (37KW)

SYSTEM VOLTAGE COMPATIBILITY

220 – 480Vac 3Ph 60Hz

STANDARD COMPONENTS

Miniature Circuit Breaker

Molded Case Circuit Breaker

Magnetic Contactor

Thermal Overload Relay

Door Mounted Control Units

ENCLOSURE TYPE

1.5mm GI sheet

Epoxy Polyester Coated Finish

RAL7032 Color

MOUNTING TYPE

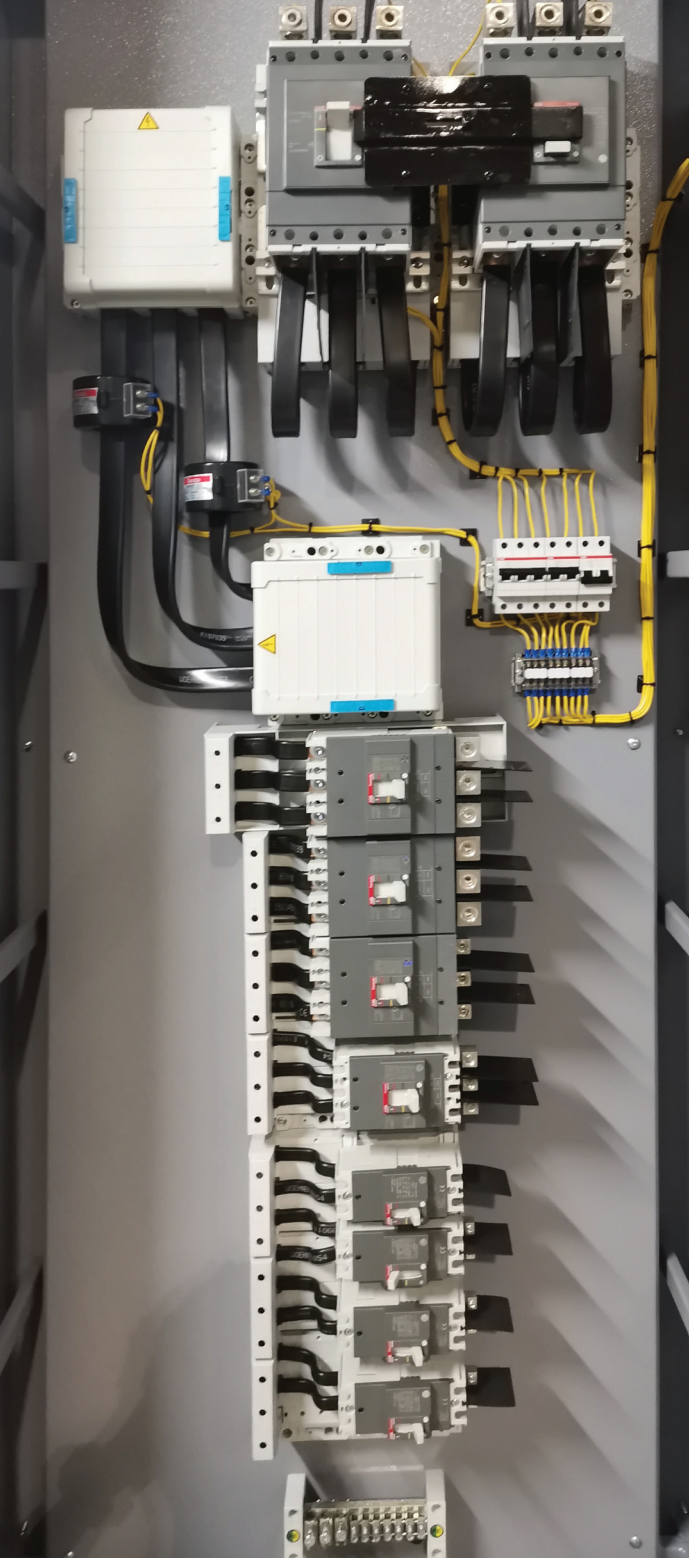
Wall Mounted

DEGREE OF PROTECTION

NEMA 12 / NEMA 4 / NEMA 4X

- Available with standard designs (with Pilot light indicators, Pushbuttons and/or Selector Switches) for up to 50HP (37.3KW) 3Ph 60Hz 230 – 480Vac Motors.
- Custom Designs for higher motor rating and additional functionality requirement





Transfer Switches

(Manual & Automatic)

CURRENT RATING

Up to 6300 Amperes

BREAKER TYPES

Air Circuit Breakers
Miniature Circuit Breaker
Molded Case Circuit Breaker

DISTRIBUTION SYSTEM

3 Phase 4W (with Solid Neutral) + G
3 Phase 3W + G
1 Phase 2W (with Solid Neutral) + G
1 Phase 2W + G

INTERLOCKED TYPE

ATS: Cable Type
Unigear Type
Contactor Type
MTS: Sliding Bar

ENCLOSURE TYPE

1.5~1.8mm GI sheet
Powder Coated/Epoxy Polyester Coated Finish
RAL7032 (Customizable) Color

MOUNTING TYPE

Free Standing
Wall Mounted

DEGREE OF PROTECTION

- McGill Enclosure
NEMA 12 / NEMA 4 / NEMA 4X*
- Local Fabricated:
NEMA 1, NEMA 12, NEMA 3R, NEMA 4

Manual Transfer Switch (MTS)

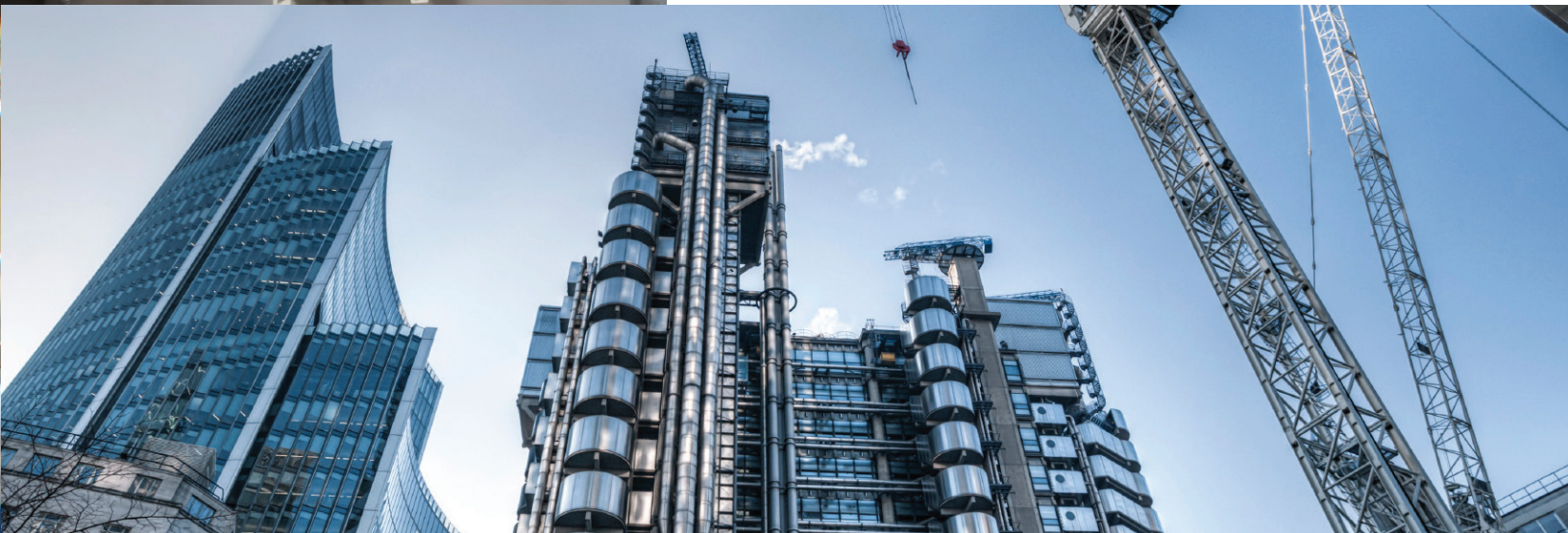
Available with:

1. Preassembled ABB Manual Change-over switches (Close and Open Transition)
2. Conventional manual transfer switch with fabricated mechanical interlock (Open Transition)

Automatic Transfer Switch (ATS)

Available with:

1. Preassembled ABB Motorized Change-over switches (Open Transition)
2. Conventional automatic transfer switches
 - Motorized Breaker Type
 - Unigear Type
 - Contactor Type





Consumer Enclosure

COVER COLOR

Gray

MATERIAL

Polycarbonate PC

BASE

1.0mm Powder Coated Metal Base Box



Diamond
Cutting
Design



Built-in
gradienter



Dynamic
regulation

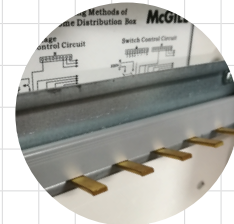


Flame
retardant

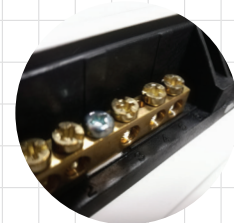
	Units	Rated Current	Maximum Power Consumption
Rated Current	6,8	63A	10W
	12,16,20	100A	15W
	24,32,36	100A	30W
Rated Voltage		230/400V~	
Rated Frequency		50/60Hz	
IP Rating		IP30	
Opening Way		Sideward-Left and Right (Interchangeable)	
Fire Resistant and abnormal heat capacity		650°C/30s(real wall installation)	
Applicable Standard		IEC60670-1;IEC60670-24	

Model#	L	W	H	L1	W1	H1
MGCE-08	243	210	107	220	186	80
MGCE-12	315	230	109	292	206	80
MGCE-16	387	230	109	364	206	80
MGCE-20	459	230	109	436	206	80
MGCE-24	315	360	109	292	336	80
MGCE-32	387	360	109	364	336	80

Accessories



Comb Busbar



Neutral & Copper Bar



Guide Rail

Project References

Avotech Inc.

Baguio Convention Center

Balayan Bay Batangas Development Inc.

Bostik Phils.

Camp Aguinaldo

Daiho (Phils.), Inc.

Filminera Resources Corporation

First Gen Hydro Power Corporation

Goodyear Container Corp.

Grasco Allied Metalworks Specialist Inc.

Green Future Innovations Inc.

Homeaide Depot

Jg Summit Petrochemical Corporation

La Filipina Uy Gongco Corporation

Laguna Metts Corporation

Linde Phils.

Progreen Agricornp Inc.

Sem-Calaca Power Corp.

Smc Shipping And Lighterage Corporation

South Pacific Inc.

St. Mary Academy, Manila

Sta. Clara International Corporation

Sto. Nino Hospital, Tarlac

Unioil Petroleum Philippines Inc.

Xentro Mall, Bulacan

