QDX AND MSX RANGE

Industry and advanced services solutions

GEWISS

Ed. 01
2020

LOW VOLTAGE SYNERGY

Development as a constant of management is the philosophy that has guided GEWISS' choices from its foundation to today. From day one, the Company has created solutions marked by excellence and quality. Over the years, this vocation has taken shape in a business model based mainly on continuous investments aimed at research and development, the preparation of all personnel and the enhancement of production facilities.

GEWISS

ENERGY DISTRIBUTION

SAFETY UNDER CONTROL

When it comes to electricity, safety must be the first certainty, which is why all GEWISS products, thanks to careful design and controls, meet the highest international standards, both in terms of reliability and robustness and quality of materials.

ELECTRICITY IS THE FUTURE

Energy distribution infrastructures must be ready for the new challenges arising from the creation of increasingly multilayered structures and processes: network systems are subject to rapid obsolescence and must be replaced and updated. In addition, new solutions must be continuously applied to help increase transmission capacity, power quality and system stability.

Ability to manage change
Electricity has become one of the most important raw materials of our time. This entails profound technical and economic change, making the operation of the network more complex than ever. Every company will face new challenges, and who has the key to manage them will make the difference.

More advanced technologies and continuous innovation for over 50 years have given GEWISS products the safety and reliability of a valuable partner in all energy sectors, from the private sector, to the industry in the infrastructures of companies around the world.

New energy demands require a constant commitment and a strong dedication that GEWISS puts into the design, production and all the services offered:

- Connection
- Distribution
- Integrated power

GEWISS covers the entire value chain in all areas of business, actively participating in the success of all the actors involved from the point of entry of network energy, along the entire path to the final service provided to the customer.

FACING THE CHALLENGES OF ENERGY MANAGEMENT

The increasing complexity of electrical systems in buildings and industry requires higher levels of safety for energy distribution. Dedicated Gewiss products integrate into all network systems and significantly increase the efficiency of business processes by providing protection, stability, and ease of intervention in the event of breakdowns or routine maintenance.

Protection of property and people

Resistant, cutting-edge products

Service continuity safety

Optimization and reliability

Protection of property and people
Each GEWISS system is designed to work safely by protecting the environment in which it is used and all personnel involved in operation and maintenance.

Resistant, cutting-edge products
Each GEWISS product meets the needs of a constantly evolving market and is made with robust materials to meet any service needs.

Service continuity safety
Relying on GEWISS products allows you to create solutions that manage any energy stops, automatically or that allow them to be managed and reactivated immediately.

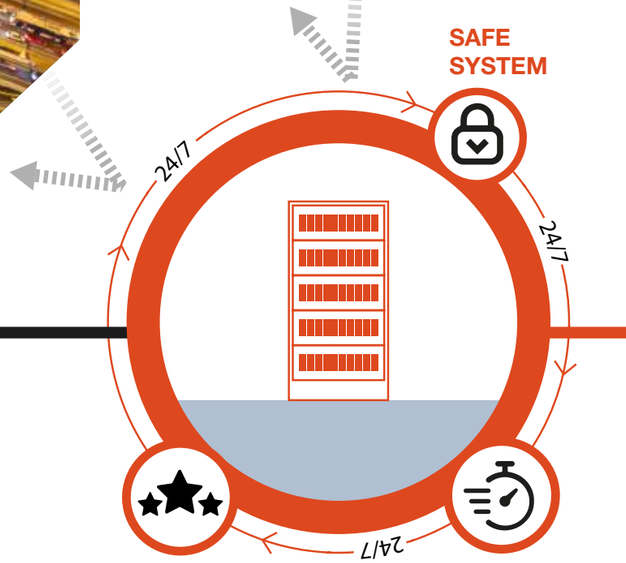
Optimization and reliability
The synergy between all GEWISS products makes it possible to create interchangeable, changeable and optimisable structures. This allows the creation of very high quality distribution nodes with a great saving of time and resources.

READY FOR EVERY NEED

IN ALL FIELDS OF APPLICATION

The range dedicated to energy management was created to respond to the strong demand for products that make efficiency and safety in all types of installation their strong point, from large industrial applications to the building sector and are the result of a design attentive to the needs of each customer.

- Fire protection
- Protection against accidental contact
- Protection against external agents
- Short-circuit protection
- High resistance against electrical disturbance



TO EACH APPLICATION ITS VALUE

GEWISS provides tailored responses to different power supply demands and in any industry and advanced service sector.
The range of products dedicated to energy management allows complete and integrated solutions to cover all aspects of reliable, efficient and safe energy distribution, from planning and design, to monitoring and control, from software to hardware, with a wide range of products suitable for every type of need.

Low Voltage Power
Products belonging to the QDX Electrical Distribution Boards and Cabinets and MSX Moulded Case Circuit Breaker range are the ideal answer in all those applications that require low voltage power distribution.
GEWISS ensures the protection of its distribution boards from external agents by meeting the standards of EN 60529 with products with varying degrees of protection up to IP 55. This allows GEWISS energy distribution lines to adapt even in those sectors where processing makes environments difficult.
The synergy between the distribution boards, circuit breakers, moulded case circuit breakers and all the accessories that GEWISS makes available makes it possible to maintain a high resistance and protection, both in small and large industry, in public and private infrastructures, making the work of installers much easier and faster.
In addition, a full range of value-added services covers the entire life cycle of GEWISS products and solutions.
Thanks to the development of dedicated software and mobile applications, the budgeting, management and design of systems are much easier.
Dedicated assistance, the support of specialised technicians and the training courses organised by THE GEWISS Academy also complete the service package available to installers.

In order to ensure complete protection of industrial plants from disruption and electrical hazards, each process must be protected simultaneously, from the production line to the design, and from machines to people. That is why GEWISS' approach to protection is the first defence at every level.

DEDICATED SOLUTIONS

FOR EVERY PROFESSIONAL

GEWISS products are dedicated to all those professionals who make quality of work the primary objective. QDX Distribution Boards and Cabinets and MSX Moulded Case Circuit Breakers are designed to make work easier and maximize results.

DISTRIBUTION BOARDS AND CABINETS

QDX 630 L - QDX 630 H - QDX 1600 H RANGES

GEWISS distribution boards and cabinets are designed to have better accessibility with increased width and depth for easy disassembly of independently fixed frames and front. Maximum standardisation of internal accessories facilitating quick and accurate mounting of modular devices.

MAIN CHARACTERISTICS OF THE RANGE

- Monobloc or modular welded sheet metal structure
- Interior accessories for every need common to the entire range
- Fully removable front
- Possibility of side-by-side coupling
- Powder epoxy coating after phosphating in RAL 7035 B shade
- Front panels equipped with hinges and opening/closing system with screws at a quarter turn

PRODUCT OVERVIEW

QDX DISTRIBUTION BOARDS AND CABINETS UP TO 1600 A

QDX 630 L
WALL MOUNTING

W x H x D
- 600 x 1000 mm
  200 mm
- 600 x 1200 mm
  200 mm
- 850 x 1000 mm
  200 mm
- 850 x 1200 mm
  200 mm

EXTERNAL COMPARTMENT
- 300 x 1000 mm
  200 mm
- 300 x 1200 mm
  200 mm

QDX 630 H
WALL MOUNTING

W x H x D
- 600 x 1000 mm
  200 mm
- 600 x 1200 mm
  200 mm
- 850 x 1000 mm
  200 mm
- 850 x 1200 mm
  200 mm

SIDE COMPARTMENT
- (600+200) x 1000 mm
  200 mm
- (600+200) x 1200 mm
  200 mm

QDX 630 L
FLOOR MOUNTING

W x H x D
- 600 x 1600 mm
  200 / 300 mm
- 600 x 1800 mm
  200 / 300 mm
- 600 x 2000 mm
  200 / 300 mm
- 850 x 1600 mm
  200 / 300 mm
- 850 x 1800 mm
  200 / 300 mm
- 850 x 2000 mm
  200 / 300 mm

EXTERNAL COMPARTMENT
- 400 x 1600 mm
  200 / 300 mm
- 400 x 1800 mm
  200 / 300 mm
- 400 x 2000 mm
  200 / 300 mm

QDX 630 H
FLOOR MOUNTING

W x H x D
- 600 x 1600 mm
  250 / 400 mm
- 600 x 1800 mm
  250 / 400 mm
- 600 x 2000 mm
  250 / 400 mm
- 850 x 1600 mm
  250 / 400 mm
- 850 x 1800 mm
  250 / 400 mm
- 850 x 2000 mm
  250 / 400 mm

SIDE COMPARTMENT
- (600+300) x 1600 mm
  250 / 400 mm
- (600+300) x 1800 mm
  250 / 400 mm
- (600+300) x 2000 mm
  250 / 400 mm

EXTERNAL COMPARTMENT
- 400 x 1600 mm
  250 / 400 mm
- 400 x 1800 mm
  250 / 400 mm
- 400 x 2000 mm
  250 / 400 mm

QDX 1600 H
FLOOR MOUNTING

W x H x D
- 600 x 1800 mm
  600 mm
- 600 x 2000 mm
  600 / 800 mm
- 850 x 1800 mm
  600 mm
- 850 x 2000 mm
  600 / 800 mm

SIDE COMPARTMENT
- (600+300) x 1800 mm
  600 mm
- (600+300) x 2000 mm
  600 / 800 mm

EXTERNAL COMPARTMENT
- 400 x 1800 mm
  600 mm
- 400 x 2000 mm
  600 / 800 mm

RANGE ADVANTAGES

ALUMINIUM BARS

Anodised aluminium profiles and nickel contact surface applied with cold spray technology for a valid alternative to traditional copper bars.

ASSEMBLY/DISASSEMBLY OF DIN GUIDES

Simple and immediate screwless interlocking system, thanks to the quick assembly and disassembly of double aluminium DIN guides.

DOOR DISASSEMBLY

Exclusive simplified door removal system, with external plugs that facilitate disassembly.

DOOR HANDLE

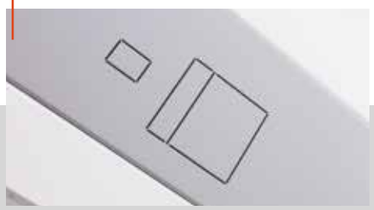
Ergonomic handle already equipped with safety key for all distribution boards.

CABLE DUCT FIXING

Simple and immediate fixing by means of supports adaptable to each height of the cable duct.

MOULDED CASE CIRCUIT BREAKERS PANELS

MCCB panels equal for both 3 poles and 4 poles, with pre-drilled window.



HINGES AND LOCKS

Exclusive system that provides a quick opening and closing of the panels with screws at ¼ turn. All panels are reversible: the locks with hinges can be reversed in few seconds.

VERTICAL SEPARATION

Vertical separation between modular devices area and bar compartment using plastic panel, easily machinable, with advantage of economy and practicality.

SOLUTIONS FOR EVERY NEED

WIDE RANGE OF ACCESSORIES

MAXIMUM SECURITY

QUICK FIXING

NO SCREWS NO TOOLS

STURDINESS AND DESIGN

DIN rail Kit

MCCB panels

Din row panels

Blind boards

DIN Rail Supports

Cable duct supports

Terminal box and ground bar supports

ACCESSORIES - CONVENIENCE AT YOUR FINGERTIPS
INSTALLATION AND MAINTENANCE MADE SIMPLE

Hammer head screws

Connection bar modular circuit breakers

Connection with brass washer

Bar alignment system

Phase and neutral identifiers

QDX 630 L

IP43 Distribution Boards up to 630 A

The QDX 630 L range of distribution boards is available in both wall and floor mounting versions.
Both solutions share the same concept, accessories and quick and easy wiring modes.
In fact, wiring is possible with the "completely open structure" and subsequently you can complete the assembly of the distribution board.

WALL MOUNTING

Amperes: up to 400A
Protection: IP43
Dividers: form 1/form 2

Width
600mm - 24 modules
600+200mm - 24 modules+internal compartment
850mm - 35 modules

Height	Depth	Sheet steel thickness
1000 mm	200 mm	15/10mm
1200 mm		

- Fully removable front, designed for maximum accessibility in every operation
- Possibility of both horizontal and vertical external wiring
- Available external compartment (L 300 mm)
- Horizontal and vertical separation to divide the boards between modular devices area and bar compartment
- Possibility of installing bars up to 400 A

FLOOR MOUNTING

Amperes: up to 630A
Protection: IP43
Dividers: form 1/form 2

Width
600mm - 24 modules
600+200mm - 24 modules+internal compartment
850mm - 35 modules

Height	Depth	Sheet steel thickness
1600 mm	200 mm	15/10mm
1800 mm	300 mm	
2000 mm		

- Depth of 300 mm for a more comfortable wiring
- Fully removable front part, designed for maximum accessibility in all operations
- Possibility of both horizontal and vertical external wiring
- Available external compartment (L 400 mm)
- Roll-over plinth
- Vertical and horizontal separation to divide the board between modular devices area and bar compartment
- Possibility of installing bars up to 630 A

EASY MAINTENANCE

Front indipendent fixing and side panels removal guarantee best working conditions for the operator.

INTEGRATED GASKET

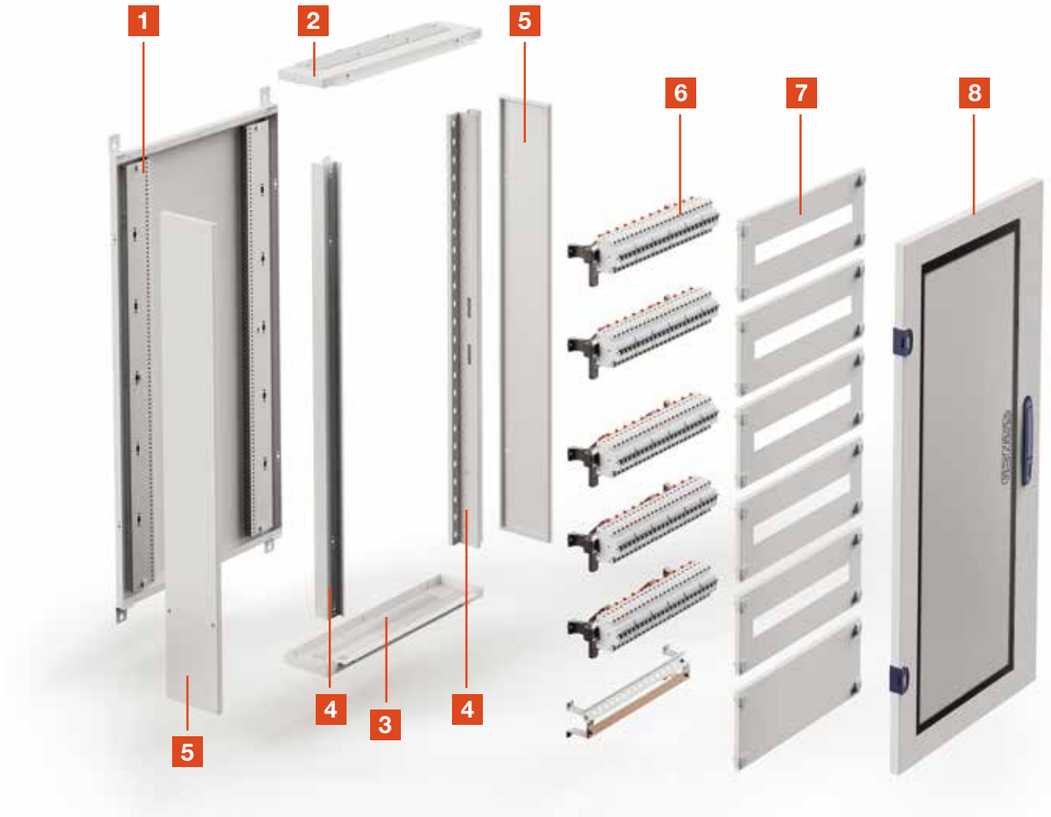
IP43 seal already mounted on the board without the need for an external roll.

FLEXIBLE USE

For structures with 35 modules, an internal compartment dedicated to the cables, terminal block or busbar system is available.

QDX 630 L

Modular structure composition



WALL MOUNTING

1	Rear frame	5	Side panels
2	Head	6	MCCB Installation Kit
3	Base	7	Front panels
4	Front uprights	8	Door

FLOOR MOUNTING

1	Rear frame	5	Side panels
2	Head	6	MCCB Installation Kit
3	Base with plinth	7	Front panels
4	Front uprights	8	Door

DISTRIBUTION BOARD

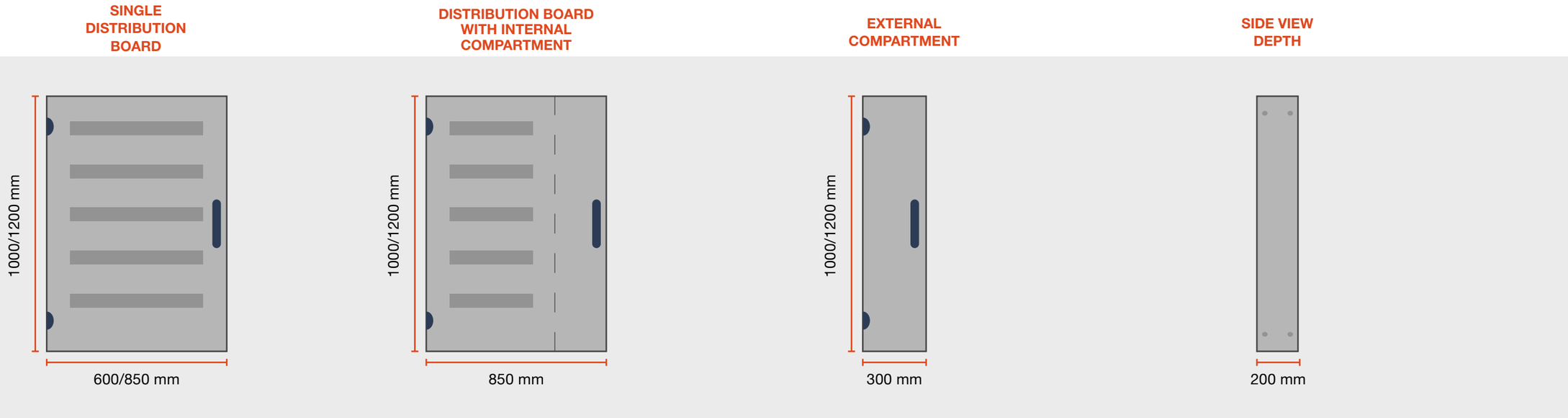
DISTRIBUTION BOARD WITH INTERNAL COMPARTMENT

EXTERNAL COMPARTMENT

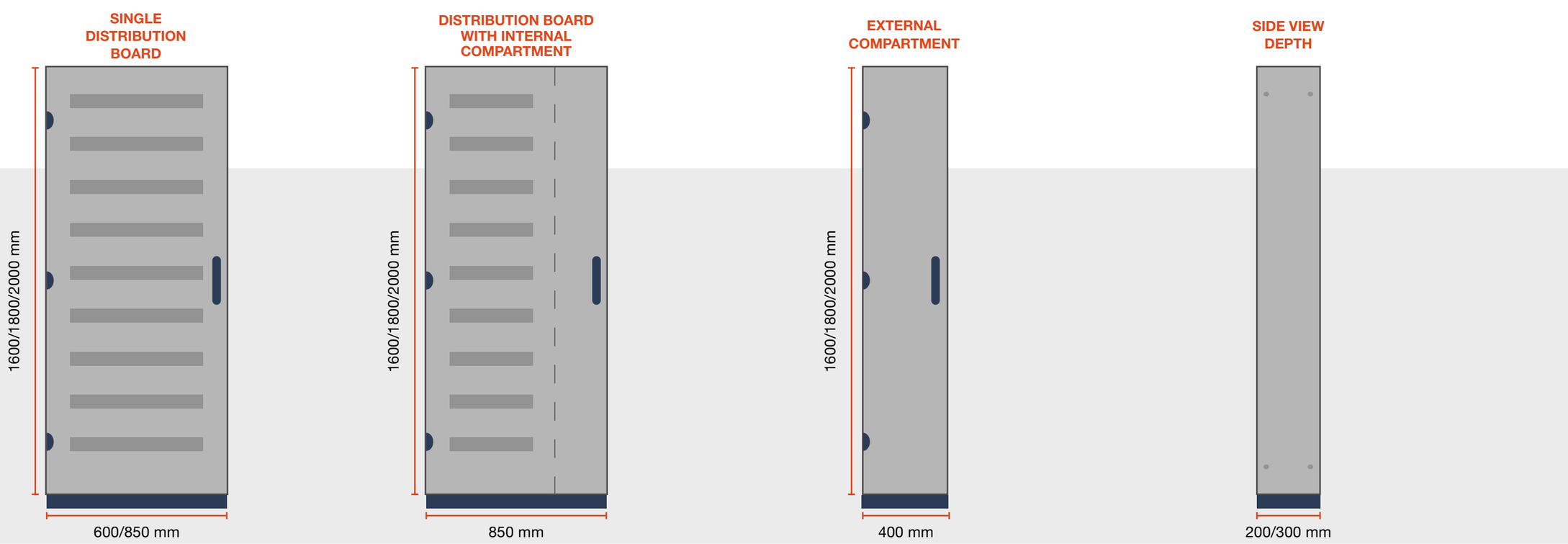
QDX 630 L

Selection tables

WALL MOUNTING



FLOOR MOUNTING



QDX 630 H

IP55 Distribution Boards up to 630 A

The QDX 630 H range of distribution boards is available in two distinct solutions, wall and floor mounting. It is ideal in all those applications where maximum protection from external agents is needed.

WALL MOUNTING

Amperes	Protection	Dividers
up to 250A	IP55	form 1

Width

600 mm - 24 modules
600+200 mm - 24 modules+side compartment
850 mm - 35 modules

Height	Depth	Sheet steel thickness
1000 mm	200 mm	12/10mm
1200 mm		

Monobloc structure in 12/10 thick welded sheet metal with side compartment dedicated to the cables, terminal block or busbar system

Staccability by means of a coupling frame in height of two boards

Vertical frames easily removable thanks to independent structure fixing

FLOOR MOUNTING

Amperes	Protection	Dividers
up to 630A	IP55	form 1/form 2

Width

600 mm - 24 modules
600+300 mm - 24 modules+side compartment
850 mm - 35 modules

Height	Depth	Sheet steel thickness
1600 mm	250 mm	15/10mm
1800 mm	400 mm	
2000 mm		

Modular structure in sheet steel thickness 15/10 mm, IP55 with the possibility of a side compartment dedicated to the cables, terminal block or busbar system

Depth 400 mm for more comfortable wiring

Fully removable front to facilitate maintenance

Possibility of rear accessibility

Anti-seismic tested distribution boards, in compliance with current legislation

FACILITATED MAINTENANCE AND ASSEMBLY

Easily removable side panels and rear panel in total safety.

FREE STANDING MOUNTING

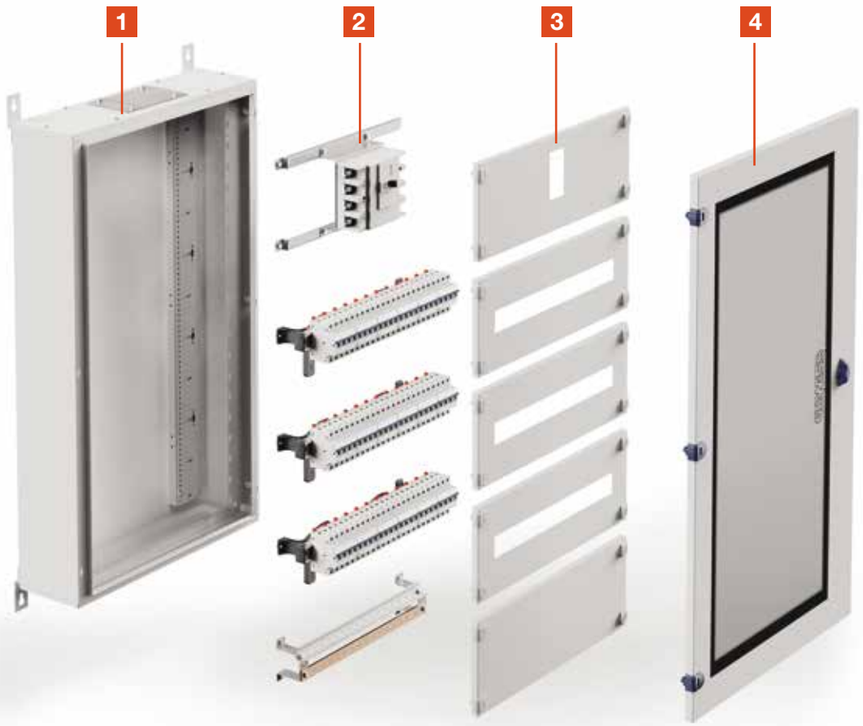
Removable front, fully removable side panels and rear panels allow the operator to mount the frame standing.

BUSBARS SYSTEM IN EACH POSITION

The linear busbar system (positioned at the bottom of the panel in the switch area) or inclined (positioned in the cable compartment) is also available in aluminium.

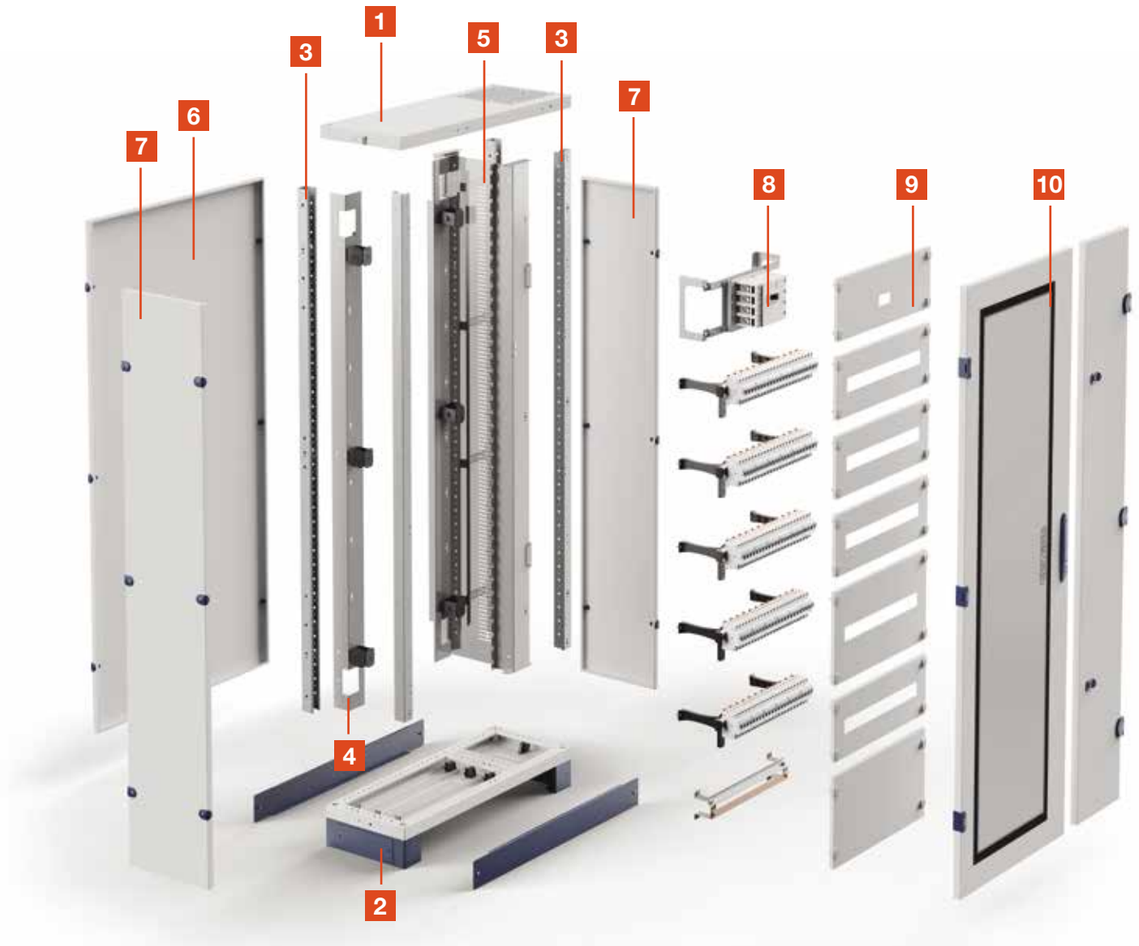
QDX 630 H

Modular structure composition



WALL MOUNTING

1	Casing
2	MCCB Installation Kit
3	Front panels
4	Door



FLOOR MOUNTING

1	Head
2	Base with plinth
3	Front and rear uprights
4	Functional frames
5	Side compartment segregation
6	Rear panel
7	Side panels
8	MCCB Installation Kit
9	Front panels
10	Doors (board and compartment)

DISTRIBUTION BOARD

DISTRIBUTION BOARD WITH SIDE COMPARTMENT

DISTRIBUTION BOARD

DISTRIBUTION BOARD WITH SIDE COMPARTMENT

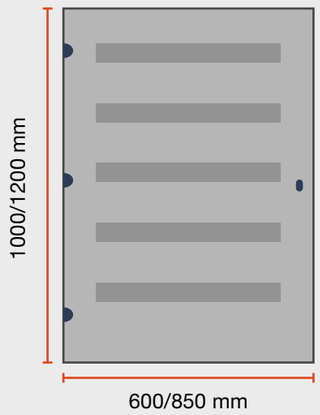
EXTERNAL COMPARTMENT

QDX 630 H

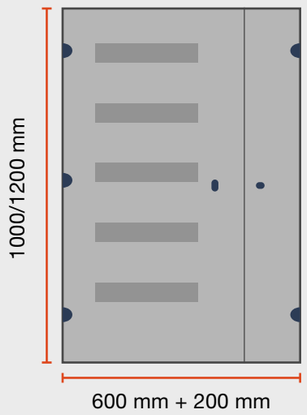
Selection tables

WALL MOUNTING

SINGLE DISTRIBUTION BOARD



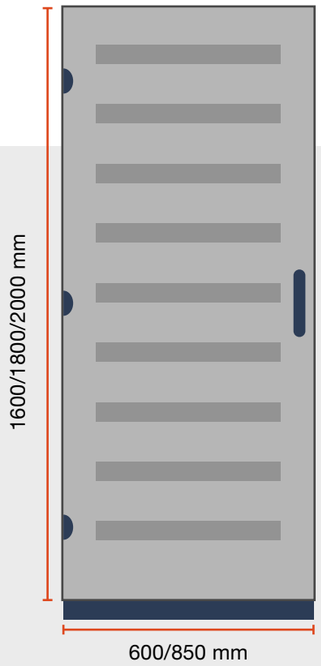
DISTRIBUTION BOARD WITH SIDE COMPARTMENT



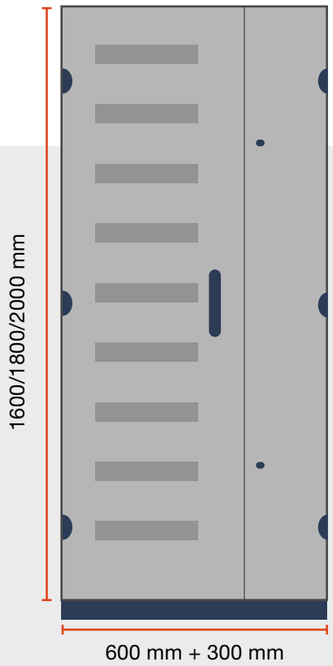
SIDE VIEW DEPTH

FLOOR MOUNTING

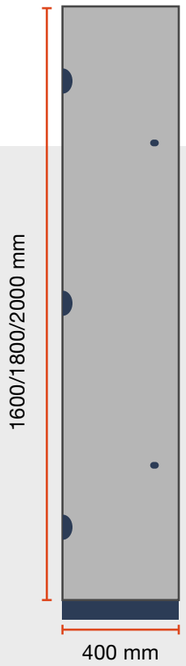
SINGLE DISTRIBUTION BOARD



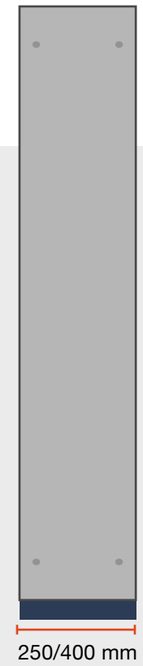
DISTRIBUTION BOARD WITH SIDE COMPARTMENT



EXTERNAL COMPARTMENT



SIDE VIEW DEPTH



QDX 1600 H

IP55 Distribution boards up to 1600 A

The QDX 1600 H range of cabinets makes robustness its strong point, specifically in all those applications where both a high level of protection from external agents and a short circuit high breaking capacity are required. This range responds to these needs effectively and safely.

FLOOR MOUNTING

Amperes	Protection	Dividers
up to 1600 A	IP55	form 1/form 2

Width

600 mm - 24 modules
600+300 mm - 24 modules+side compartment
850 mm - 35 modules

Height	Depth	Sheet steel thickness
1800 mm	600 mm	20/10 mm
2000 mm	800 mm	

Modular structure in sheet steel thickness 20/10 able to guarantee IP55 with the possibility of a side compartment dedicated to the cables, terminal block or busbar system

Depth 800 mm for more comfortable wiring

Busbar system with different positioning possibilities (on the bottom, in the compartment and in the lower/upper part)

Fully removable front

Possibility of rear accessibility

Anti-seismic tested distribution boards in compliance with current legislation

FACILITATED MAINTENANCE AND ASSEMBLY

Easily removable side panels and rear panel in total safety.

FREE STANDING MOUNTING

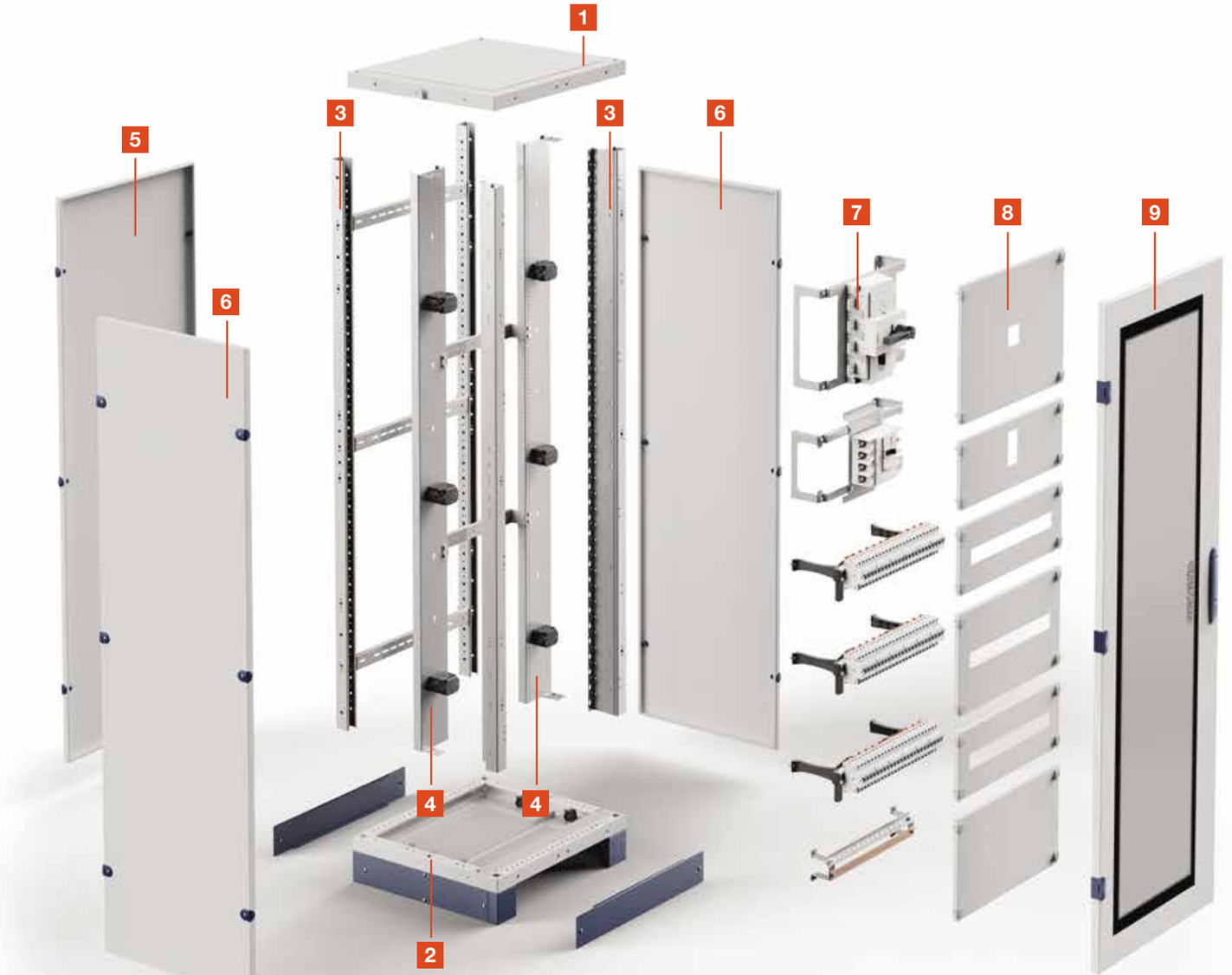
Removable front, fully removable side panels and rear panels allow the operator to mount the frame standing.

BUSBAR SYSTEM

Fast, economical, versatile, the universal aluminium busbar system allows maximum customisation of GEWISS distribution boards, thanks to the different positioning configurations.

QDX 1600 H

Modular structure composition



FLOOR MOUNTING

1. Head
2. Base with plinth
3. Front and rear uprights
4. Functional frames
5. Rear panel
6. Side panels
7. MCCB Installation Kit
8. Front panels
9. Door

CABINET

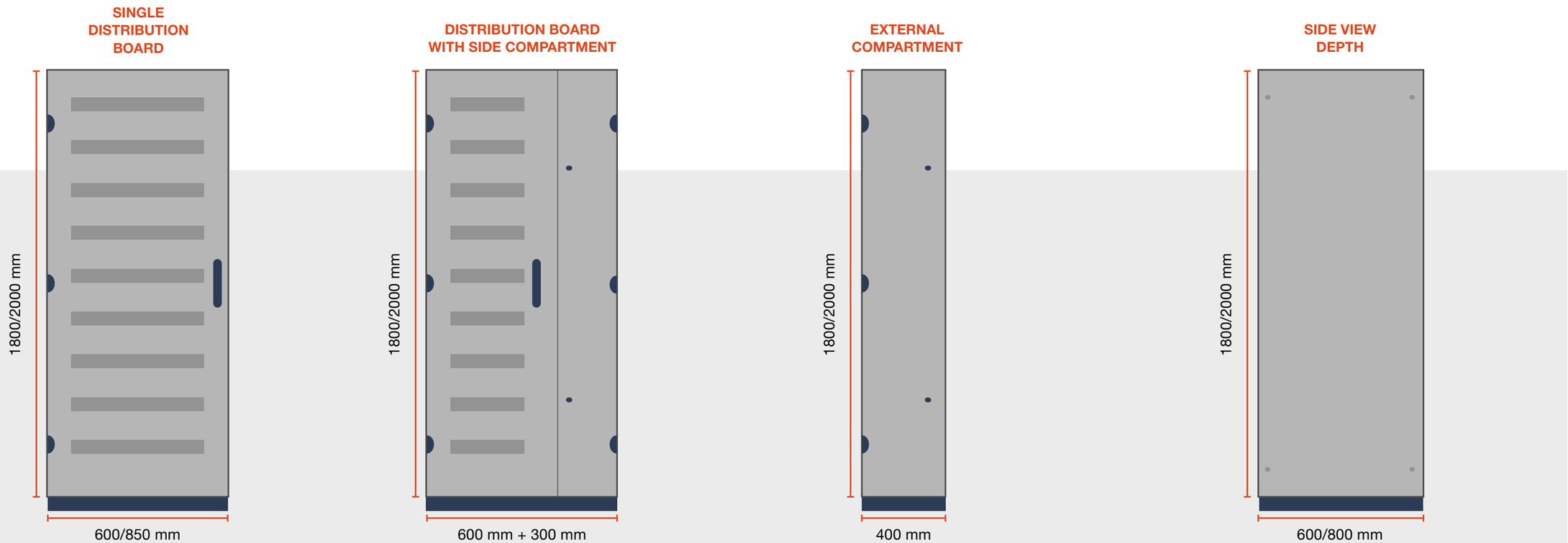
CABINET WITH SIDE COMPARTMENT

EXTERNAL COMPARTMENT

QDX 1600 H

Selection tables

FLOOR MOUNTING



MOULDED CASE CIRCUIT BREAKERS

MSX RANGE

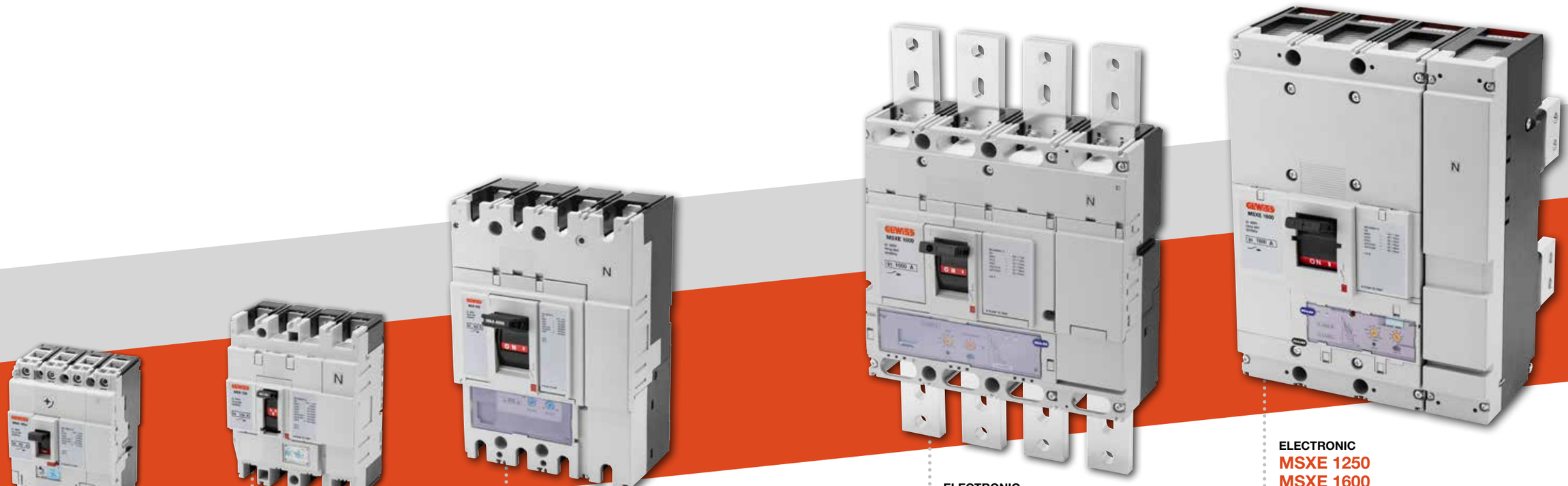
Whether it's industrial installations, buildings or infrastructure, the distribution of electrical power must meet increasingly stringent requirements in safety and efficiency. The MCCB's MSX provide complete protection against short circuits and overloads.
They are ideal for industrial and advanced service applications.

MAIN CHARACTERISTICS OF THE RANGE

- **RCCB protection integrated in the MCCB**
- **Compatibility with QDX GEWISS distribution boards and cabinets**
- **Immediate MCCB status indication using coloured displays**
- **Maximum precision in adjustments**
- **Wide range of accessories**

PRODUCT OVERVIEW

MCCB'S MSX UP TO 1600 A



COMPACTI THERMAL MAGNETIC
MSX 160c
MSX 250c

SWITCH DISCONNECTORS
MSXM 160c
MSXM 250c

I_n 25 ÷ 250 A

I_{cu} 16 - 25 KA

THERMAL MAGNETIC
MSX 125
MSX 160
MSX 250

MAGNETIC FOR MOTOR PROTECTION
MSX 125
MSX 160
MSX 250

ELECTRONIC
MSXE 160
MSXE 250

THERMAL MAGNE-TIC MCCB + RCD
MSXD 125
MSXD 160
MSXD 250

I_n 20 ÷ 250 A

I_{cu} 25 - 36 - 65 KA

THERMAL MAGNETIC
MSX 400

ELECTRONIC
MSXE 400
MSXE 630

SWITCH DISCONNECTORS
MSXM 400
MSXM 630

I_n 400 ÷ 630 A

I_{cu} 36 - 50 KA

ELECTRONIC
MSXE 1000

SWITCH DISCONNECTORS
MSXM 1000

I_n 800 ÷ 1000 A

I_{cu} 50 KA

ELECTRONIC
MSXE 1250
MSXE 1600

SWITCH DISCONNECTORS
MSXM 1250
MSXM 1600

I_n 1250 ÷ 1600 A

I_{cu} 50 KA

MSX

MCCBs up to 1600 A

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MCCB's MSX provide safety and reliability in circuit protection and isolation up to 1600A. The 5 available versions: MSXc - MSX - MSXD - MSXE - MSXM makes the ranges ideal for every application and offer the right selection based on the type of function and need.

Application solutions

A up to 1600 A

Breaking capacity

kA 16÷65kA

Rated current adjustment

In Thermal magnetic MCCBs: 0.63÷1
Electronic MCCBs: 0.4÷ 1

MSXc - Compact MCCBs up to 250 A
and breaking capacity up to 25kA

MSX - Thermal magnetic and magnetic MCCBs up to 400 A
and breaking capacity up to 65kA

MSXD - Thermal magnetic MCCBs + RCD up to 250 A
and breaking capacity up to 36kA

MSXE - Electronic MCCBs up to 1600 A
and breaking capacity up to 65kA

MSXM Switch disconnectors up to 1600A

LONGER LIFE CYCLE

Installing a durable product is a good environmental policy. By installing a MCCB the service life is at least 30,000 mechanical operations (size 250 A). This means 22,000 more operations than those recommended by IEC 60947-2, the international standard governing switches.
For end-of-life recycling of the product, we have adopted the following criteria:

- Modularity of the project to allow easy disassembly and elimination of components and accessories. Organic parts do not contain embedded metal elements.
- Clear marking of materials to allow easy identification and correct recycling.

INTEGRATED RCCB

Integrated RCCB protection with the same dimensions as a traditional thermal magnetic MCCB, without the need for the installation of external relays or additional blocks.

CABLE MECHANICAL INTERLOCK

Flexibility of use thanks to the possibility of combining MCCBs of different sizes, also positioned in different columns and without the use of plates dedicated to interlocking.

EASIER ADJUSTMENTS

Easier adjustments with preset curves and rotary selectors on the front of MCCB.

UNCHANGED PERFORMANCE AT HIGH TEMPERATURES

Superior reliability and performance even at high temperatures, no downgrading of performance up to 50°C.

ECO MATERIALS

Lead-free welds and cadmium-free contacts.

SIMPLIFIED INSTALLATION

Fast and easy accessory integration thanks to clip installation that does not require dedicated tools.

MSX RANGE
Models and functions

MSXc
Compact MCCBs

Compact, high-performance models for cost and space savings, great quality at a competitive price.
The MCCBs are double-insulated and equipped with terminals for connection with cables without terminals, more practical for smaller currents.
Internal accessories, such as releases and auxiliary contacts, are easy to install thanks to clip hooks and are common throughout the line.
The single-screw front access door also identifies the installation position of the various accessories and makes assembly and maintenance easy.

MSX
Traditional MCCBs

MSX line models with higher breaking capacities, 36 kA and 65 kA. They ensure superior interruption performance, protecting valuable parts of the electrical system.
The MSX range also allows the mechanical and electrical interlock, which prevents the parallel (simultaneous) insertion of two MCCBs.
For all models, it is possible to mount a motor operator that allows the opening and closing of the MCCB remotely. Easy installation and maintenance due to the possibility of removing, thanks to the kit, individual MCCBs in a simple and immediate way.

MSXM
Switch disconnectors

Switch disconnectors for the safe opening and closing of electrical circuits, even under load. All models in the MSXM range share the same internal accessories (releases and auxiliary contacts) and the same external accessories (rotary handles and motor commands) of the respective MCCB's MSXc and MSX.

MSXc	
16 kA - 25 kA	
≤125 A	MSX 160c
160 A	
250 A	MSX 250c
400 A	-
630 A	-
800-1000 A	-
1250 A	-
1600 A	-

MSX	
36 kA - 65 kA	
≤125 A	MSX 125
160 A	MSX 160
250 A	MSX 250
400 A	MSX 400
630 A	-
800-1000 A	-
1250 A	-
1600 A	-

MSXM	
≤125 A	-
160 A	MSXM 160c
250 A	MSXM 250c
400 A	MSXM 400
630 A	MSXM 630
800-1000 A	MSXM 1000
1250 A	MSXM 1250
1600 A	MSXM 1600

MSX RANGES
Models and functions

3 PROTECTIONS IN A SINGLE MCCB

SAME SIZEAS A TRADITIONAL THERMAL MAGNETIC MCCB

MSXD
THERMAL MAGNETIC MCCB + RCD

These models provide protection against overload, short circuit and current dispersion.
Three protections in a single device with the same dimensions as a traditional thermal magnetic MCCB, high performance and simple installation for increased safety and space saving.
Each model has the same dimensions, fixing points and performance as a thermal magnetic MCCB and also ensures differential protection without the need for external relays or additional blocks.

MSXE
Electronic MCCBs

Electronic MCCBs models offer great adjustment flexibility: their curves can be adjusted to suit a wide range of application conditions. The operating current can be adjusted from 0.4 to 1 x In.
The MSXE models are ready to use with the preset current time intervention curves visible on the front of the product, each curve can be configured with two simple adjustments:**the left trimmer** adapts the nominal current of the MCCB according to the conductor flow **rate, the right trimmer** allows you to select one of the preset time-current intervention curves.

MSXD	
25 kA - 36 kA	
≤125 A	**MSXD 125**
160 A	**MSXD 160**
250 A	**MSXD 250**
400 A	-
630 A	-
800-1000 A	-
1250 A	-
1600 A	-

MSXE	
36 kA - 50 kA - 65 kA	
≤125 A	**MSXE 160**
160 A	
250 A	**MSXE 250**
400 A	**MSXE 400**
630 A	**MSXE 630**
800-1000 A	**MSXE 1000**
1250 A	**MSXE 1250**
1600 A	**MSXE 1600**

MSXc - MSX - MSXE RANGE

Technical data

TYPE			MSX 160c		MSX 250c		MSX 125		MSX 160 - MSX 250	
Standard			IEC EN 60947-2		IEC EN 60947-2		IEC EN 60947-2		IEC EN 60947-2	
Rated current (In)		(A)	25, 40, 63, 80, 100, 125, 160		160, 250		20, 32, 50, 63, 100, 125		160, 250	
Category of use			A		A		A		A	
Number of poles			3.3+N		3.3+N		3.4		3.4	
Rated frequency		(Hz)	50/60		50/60		50/60		50/60	
Rated operational voltage (Ue)		(V)	525 AC - 250 DC		525 AC - 250 DC		690 AC - 250 DC		690 AC - 250 DC	
Rated impulse withstand voltage (Uimp)		(kV)	8		8		8		8	
Overvoltage category			IV		IV		IV		IV	
Rated insulation voltage (Ui))		(V)	690		800		800		800	
Rated breaking capacity (Icu)										
Alternating current	220/240V	(kA)	25	35	25	35	50	85	65	85
	400/415V	**(kA)**	**16**	**25**	**16**	**25**	**36**	**65**	**36**	**65**
	440V	(kA)	10	15	10	15	25	50	25	50
	525V	(kA)	6	7.5	6	7.5	22	25	25	25
	690V	(kA)	-	-	-	-	6	6	7.5	7.5
Direct current	250V	(kA)	13	20	13	15	25	40	40	40
Service breaking capacity (Ics)										
Alternating current	220/240V	(kA)	13	18	13	27	50	85	65	85
	400/415V	(kA)	8	13	8	19	36/30	36/33	36	36
	440V	(kA)	5	7.5	5	12	25	25	25	25
	525V	(kA)	3	4	3	6	22	22	25	25
	690V	(kA)	-	-	-	-	6	6	7.5	7.5
Direct current	250V	(kA)	7	10	7	12	19	40	40	40
Type of protection			Adjustable thermal Fixed magnetic		Adjustable thermal Adjustable magnetic		Adjustable thermal Adjustable magnetic		Adjustable thermal Adjustable magnetic	
Versions			Fixed		Fixed		Fixed Plug-in		Fixed Plug-in	
Mounting on DIN rail by means of the accesory			yes		yes		yes		yes	
Mounting position			any		any		any		any	
Upline/downline power supply			yes		yes		yes		yes	
Terminals	Front for cables (FW)		■ (25A÷100 A)		-		□		-	
	Front (FC)		■ (125-160 A)		■		■		■	
	Front extended (FB)		□ (63÷160 A)		□		□		□	
	Front extended spread terminals (FB)		□ (63÷160 A)		□		-		-	
	Rear (RC)		□ (63÷160 A)		□		□		□	
Electrical life (415 V AC)		(No. cycles)	14,000 (≤125A) 10,000 (160 A)		6,000		30,000		20,000 (MSX 160) 10,000 (MSX 250)	
Mechanical life		(No. cycles)	20,000		18,000		30,000		30,000	
Can be equipped with motor operator			no		yes		yes		yes	
Interlock type			-		Lever / Cable		Lever / Cable		Lever / Cable	
Operating temperature		(°C)	-5 +65		-5 +65		-5 +65		-5 +65	
Reference temperature		(°C)	50		50		50		50	
Storage temperature		(°C)	-20 +60		-20 +60		-20 +60		-20 +60	
Relative humidity			45%÷85%		45%÷85%		45%÷85%		45%÷85%	
Dimensions	Width (3P / 4P)	(mm)	75 / 100		105 / 140		90 / 120		105 / 140	
	Height	(mm)	130		165		155		165	
	Depth	(mm)	68		68		68		68	
Weight (3P / 4P)		(kg)	0.8 / 1		1.5 / 1.9		1.1 / 1.4		1.5 / 1.9	

■ = supplied as standard □ = optional - = not available [1] max 225A [2] max 536a

MSXE 160 - MSXE 250		MSX 400		MSXE 400 - MSXE 630		MSXE 1000		MSXE 1250	MSXE 1600
IEC EN 60947-2		IEC EN 60947-2		IEC EN 60947-2		IEC EN 60947-2		IEC EN 60947-2	IEC EN 60947-2
40, 125, 160, 250		400		400, 630		800	1000	1250	1600
A		A		B (MSXE 400) / A (MSXE 630)		B	A	B	B
3.3+N,4		3.3+N,4		3.3+N,4		3.4		3.4	3.4
50/60		50/60		50/60		50/60		50/60	50/60
690 AC		690 AC - 250 DC		690 AC		690 AC		690 AC	690 AC
8		8		8		8		8	8
IV		IV		IV		IV		IV	IV
800		800		800		800		800	800
65	85	50	85	50	85	85	85	85	85
36	**65**	**36**	**50**	**36**	**50**	**50**	**50**	**50**	**50**
25	50	30	45	25	45	50	45	45	45
25	25	22	30	15	30	30	30	30	30
7.5	7.5	15	20	10	20	20	20	20	20
-	-	40	40	-	-	-	-	-	-
65	85	50	85	50	85	85	65	65	65
36	36	36	50	36	50	50	38	38	38
25	25	30	45	25	45	50	34	34	34
25	25	22	30	15	30	30	23	23	23
7.5	7.5	15	15	10	15	20	15	15	15
-	-	40	40	-	-	-	-	-	-
LSI Electronics		Adjustable thermal Adjustable magnetic		Electronic LSI Electronic LSIG		Electronic LSI Electronic LSIG		Electronic LSI Electronic LSIG	Electronic LSI Electronic LSIG
Fixed Plug-in[1]		Fixed Plug-in		Fixed Plug-in[2]		Fixed Plug-in	Fixed	Fixed	Fixed
no		no		no		no		no	no
any		any		any		any		any	any
yes		yes		yes		yes		yes	yes
-		-		-		-	-	-	-
■		■		■		■	-	-	-
□		□		□		□	■	■	■
-		□		□		-	-	-	-
□		□		□		□	□	■	■
10,000		4,500		4,500		4,000		4,000	2,000
30,000		15,000		15,000		10,000		5,000	5,000
yes		yes		yes		yes		yes	yes
Lever / Cable		Lever / Cable		Lever / Cable		Lever / Cable		Cable	Cable
-5 +65		-5 +65		-5 +65		-5 +65		-5 +65	-5 +65
40		50		40		40		40	40
-20 +60		-20 +60		-20 +60		-20 +60		-20 +60	-20 +60
45%÷85%		45%÷85%		45%÷85%		45%÷85%		45%÷85%	45%÷85%
105 / 140		140 / 185		140 / 185		210 / 280		210 / 280	210 / 280
165		260		260		273		370	370
103		103		103		103		120	140
2.3 / 3.1		4.3 / 5.6		4.3 / 5.7 (MSXE 400)- 5 / 6.5 (MSXE 630)		9.1 / 12.3	11 / 14.8	19.8 / 25	27 / 35

MSXM RANGE
Technical data

TYPE			MSXM 160c	MSXM 250c	MSXM 400 - MSXM 630	MSXM 1000		MSXM 1250	MSXM 1600
Standard			IEC EN 60947-3	IEC EN 60947-3	IEC EN 60947-3	IEC EN 60947-3		IEC EN 60947-3	IEC EN 60947-3
Rated current (In)		(A)	160	250	400, 630	800	1000	1250	1600
Category of use			AC-23A DC-22A	AC-23A DC-22A	AC-23A DC-22A	AC-23A DC-22A		AC-23A DC-22A	AC-23A DC-22A
Number of poles			3.4	3.4	3.4	3.4		3.4	3.4
Rated frequency		(Hz)	50/60	50/60	50/60	50/60		50/60	50/60
Rated operational voltage (Ue)		(V)	690 AC 250 DC	690 AC 250 DC	690 AC 250 DC	690 AC 250 DC		690 AC 250 DC	690 AC 250 DC
Rated impulse withstand voltage (Uimp)		(kV)	8	8	8	8		8	8
Overvoltage category			IV	IV	IV	IV		IV	IV
Rated insulation voltage (Ui)		(V)	690	800	800	800		800	800
Rated short-circuit making capacity (Icm)		(kA)	2.8	6	9	17		32	45
Brief allowable rated current for 0.3s (Icw)		(kA)	2	3	5	10		15	20
Versions			Fixed	Fixed	Fixed Plug-in[1]	Fixed, Plug-in	Fixed	Fixed	Fixed
Mounting on DIN rail by means of the accessory			yes	yes	no	no		no	no
Mounting position			any	any	any	any		any	any
Upline/downline power supply			yes	yes	yes	yes		yes	yes
Terminals	Front for cables (FW)		-	-	-	-	-	-	-
	Front (FC)		■	■	■	■	-	-	-
	Front Extended (FB)		□	□	□	□	■	■	■
	Front extended spread terminals (FB)		□	□	□	-	-	-	-
	Rear (RC)		□	□	□	□	□	-	■
Electrical life (415 V AC)		(No. cycles)	10,000	6,000	4,500	4,000		4,000	2,000
Mechanical life		(No. cycles)	20,000	18,000	15,000	10,000		5,000	5,000
Can be equipped with motor operator			no	yes	yes	yes		yes	yes
Interlock type			-	Lever / Cable	Lever / Cable	Lever / Cable		Cable	Cable
Operating temperature		(°C)	-5 +65	-5 +65	-5 +65	-5 +65		-5 +65	-5 +65
Reference temperature		(°C)	50	50	50	50		50	50
Storage temperature		(°C)	-20 +60	-20 +60	-20 +60	-20 +60		-20 +60	-20 +60
Relative humidity			45%÷85%	45%÷85%	45%÷85%	45%÷85%		45%÷85%	45%÷85%
Dimensions	Width (3P / 4P)	(mm)	75 / 100	105 / 140	140 / 185	210 / 280		210 / 280	210 / 280
	Height	(mm)	130	165	260	273		370	370
	Depth	(mm)	68	68	103	103		120	140
Weight (3P / 4P)		(kg)	0.7 / 0.9	1.5 / 1.9	4.2 / 5.6 (MSXM 400) 4.4 / 5.8 (MSXM 630)	8.5 / 11.5	10.4 / 14	18.2 / 23.4	24.9 / 32.9

■ = supplied as standard □ = optional - = not available [1] max 536A

MSXD RANGE
Technical data

TYPE			MSXD 125		MSXD 160 - MSXD 250	
Standard			IEC 60947-1 IEC 60947-2 IEC 60755		IEC 60947-1 IEC 60947-2 IEC 60755	
Rated current (In)		(A)	20, 32, 50, 63, 100, 125		160, 250	
Category of use			A		A	
Number of poles			3+N		3+N	
Rated frequency		(Hz)	50/60		50/60	
Rated operational voltage (Ue)		(V)	525 AC		525 AC	
Rated impulse withstand voltage (Uimp)		(kV)	8		8	
Overvoltage category			IV		IV	
Rated insulation voltage (Ui)		(V)	525		525	
Rated breaking capacity (Icu)						
Alternating current	220/240V	(kA)	35	50	35	65
	400/415V	**(kA)**	**25**	**36**	**25**	**36**
	440V	(kA)	15	25	15	25
	525V	(kA)	8	22	10	25
Service breaking capacity (Ics)						
Alternating current	220/240V	(kA)	27	50	27	65
	400/415V	(kA)	19	36/30	19	36
	440V	(kA)	12	25	12	25
	525V	(kA)	6	22	7.5	25
Type of protection			Adjustable thermal Fixed Magnetic Adjustable residual current		Adjustable thermal Fixed Magnetic Adjustable residual current	
Versions			Fixed		Fixed	
Mounting on DIN rail by means of the accessory			yes		yes	
Mounting position			any		any	
Upline/downline power supply			yes		yes	
Terminals	Front for cables (FW)		□		-	
	Front (FC)		■		■	
	Front extended (FB)		□		□	
	Front extended spread terminals (FB)		-		-	
	Rear (RC)		□		□	
Electrical life (415 V AC)		(No. cycles)	30,000		10,000	
Mechanical life		(No. cycles)	30,000		10,000	
Can be equipped with motor operator			yes		yes	
Interlock type			-		-	
Operating temperature		(°C)	-5 +65		-5 +65	
Reference temperature		(°C)	50		50	
Storage temperature		(°C)	-20 +60		-20 +60	
Relative humidity			45%÷85%		45%÷85%	
Dimensions	Width (3P / 4P)	(mm)	90 / 120		105 / 140	
	Height	(mm)	155		165	
	Depth	(mm)	68		68	
Weight (3P / 4P)		(kg)	1.1 / 1.4		1.5 / 1.9	

■ = supplied as standard □ = optional - = not available

GEWISS

INTEGRATED OFFER

CONTINUOUS EVOLUTION

GEWISS products are the ideal solution for low voltage power distribution, with a wide range of modular devices, rotary switch disconnectors and dedicated accessories for all types of assembly. The compatibility and synergy between the different models makes GEWISS the right choice for all those applications that require dedicated, high-performance solutions.

OPTIMIZED INTEGRATION

The wide range of GEWISS products can help you meet all your electrical needs. Full circuit breaker compatibility, different combinations of modular distribution boards and cabinet make it possible to create highly customised solutions.
Coordinating the different ranges permits taking advantage of the peculiarity of each product and maximizing its features, thus making each GEWISS integrated solution the perfect arrival point of energy and the right resource for distribution to specific applications.

Compatibility

The complete compatibility of GEWISS solutions has the added advantage of ensuring an excellent level of safety of the system. All product lines are tested with type tests and take advantage of the decades of experience of GEWISS technicians and all the work experience of recent years.

Continuous evolution

Modularity is also synonymous with evolution thanks to the ability to modify and update systems easily, integrating new functional units when necessary. Full accessibility and the use of standard components make maintenance and upgrade operations quick and easy.

Optimal solutions

The ample flexibility of the lines, the numerous accessories and the wide range of solutions offered always guarantee the best solution for each application. Functionality, high production standards and perfect mechanical design have always been A GEWISS GUARANTEED COMMITMENT.

ROTARY SWITCH DISCONNECTORS

MSS

AUTOMATIC RECLOSING DEVICES

ReStart

MODULAR CIRCUIT BREAKERS FOR CIRCUIT PROTECTION

90 MCB

RESIDUAL CURRENT PROTECTION CIRCUIT BREAKERS

90 RCD

MODULAR ACCESSORIES

90 AM

DISTRIBUTION BOARD

CVX 160 I/E

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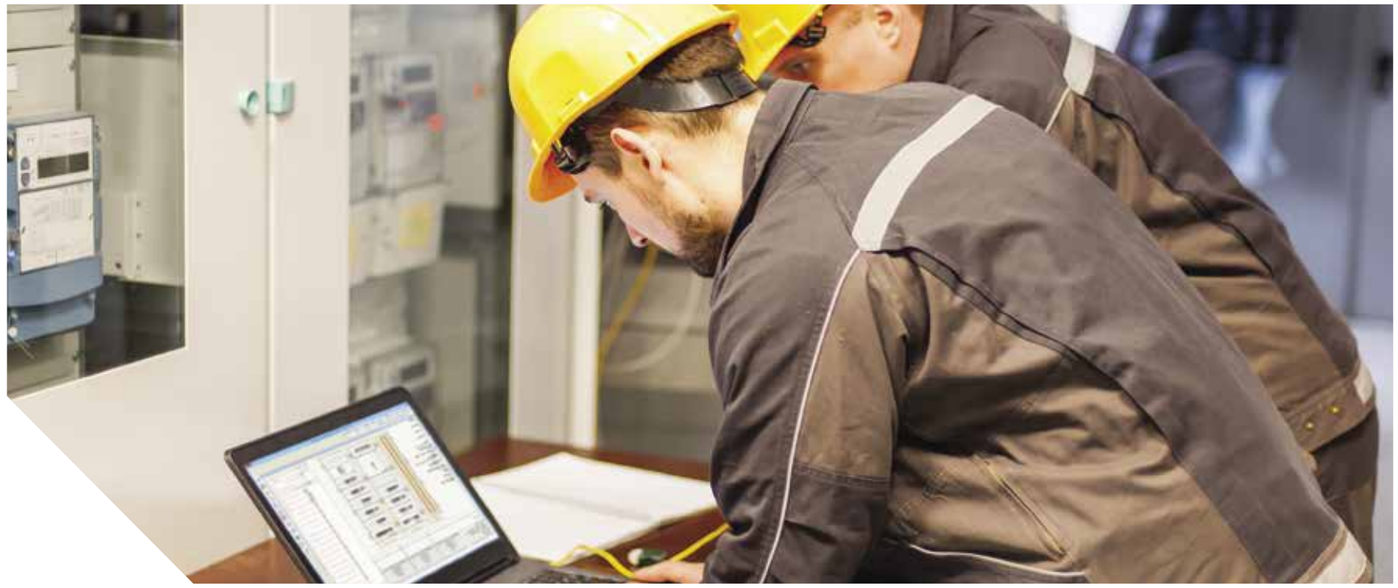
READY FOR EVERY NEED

GEWISS is always attentive to the needs of all its customers, which is why over the years IT has developed a ranges of software that facilitates and speeds up the design, creation of documentation and remote management of plants.

STEP BY STEP SOFTWARE

TECH Suite

Complete suite of software dedicated to the design, testing and budgeting of systems. It is possible to perform metric calculations and electrical diagrams, draw up estimates, draw up electrical systems, configure distribution boards, compile declarations of conformity and draft the complete documentation to be attached to the projects.



Technician Concept | **Electrical Sizing** | **Metalwork Design** | **Documentation and Certification** | **Full quote** | **Installation**

DESIGN, SIZING AND BUDGETING OF LOW VOLTAGE SYSTEMS AND SWITCHBOARDS

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PBT-Q provides a simple and fast way to design and estimate Low Voltage electrical systems and boards.
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CONTROL PANEL FOR THE MANAGEMENT AND AUTOMATIC UPDATING OF GEWISS SOFTWARE

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APPLICATION MANAGER facilitates the management and choice of Gewiss Software by detecting the programs installed on your PC, allowing them to be updated, and also shows programs that are not installed, facilitating their installation by providing descriptions and manuals about the operation and characteristics of each software.

NOTES

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