



A smarter space for your installation ideas

MISTRAL41 and MISTRAL Multimedia

ABB is the world's leading provider of products for electrical installation in buildings. A comprehensive domain knowledge, global experience and continuous innovation enable us to provide the very best in comfort, security, design and energy efficiency for tomorrow's smart home. Our solutions shape the buildings of the future, today.

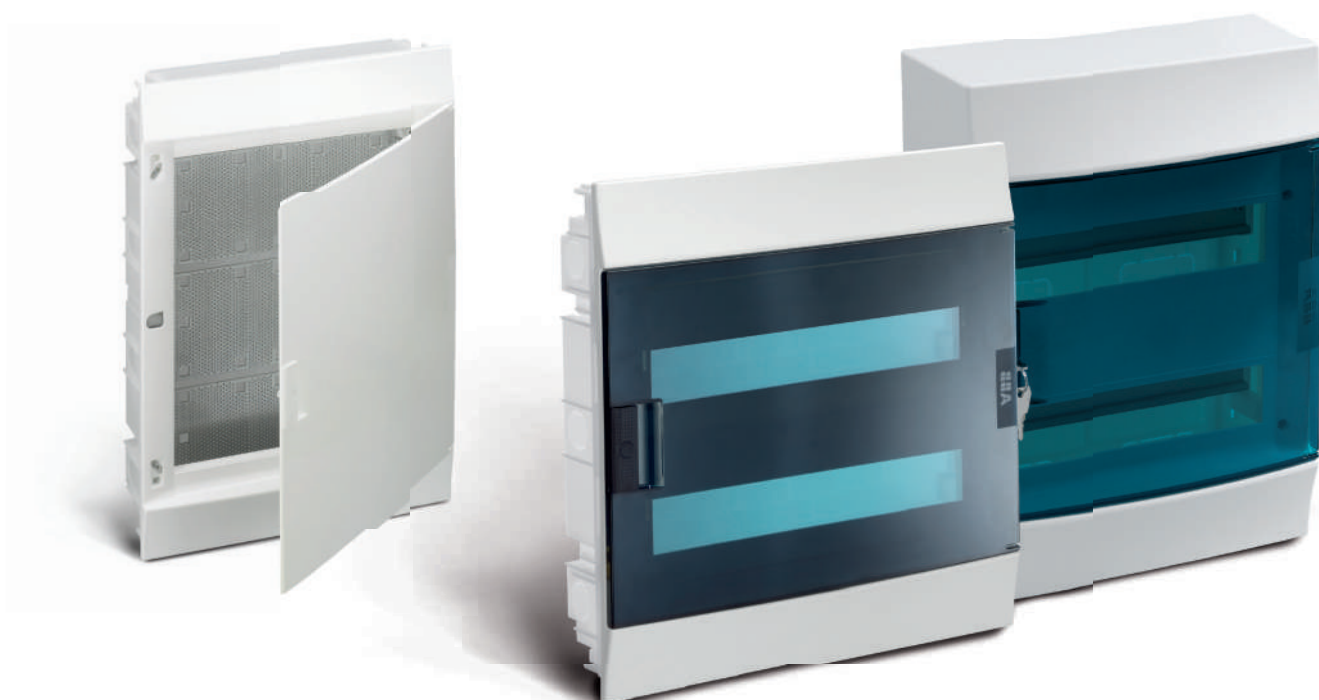
MISTRAL41 and MISTRAL Multimedia

Sustainability, flexibility and design

Innovating today does not just mean looking for functional and technologically advanced solutions. For ABB, being innovative means embracing a longer-term perspective by using eco-compatible materials for our products which respect the environment even at the end of their life cycle. For this reason, 100 % recyclable halogen-free thermoplastics (for GWT650 versions) have been used for the consumer units. Their environmental compatibility has been evaluated using the Life Cycle Assessment (LCA) method, an objective tool for assessing energy and environmental impact which analyses the energy and materials used and the emissions released during production.



(for GWT650 versions)



Reliable technology combined with a modern decorative look in a compact, elegant design.



Door opens up to 180° allowing full access to the interior of the unit.

The symmetrical design allows opening of the reversible door either from the left or from the right.

Door available in two versions: petrol blue and opaque.

Multimedia version for integration of internet routers, antenna or voice splitters.

In the flush-mounted version the depth of the base box ensures a perfect balance between internal space and the possibility of installation in thin walls.

Endless installation possibilities

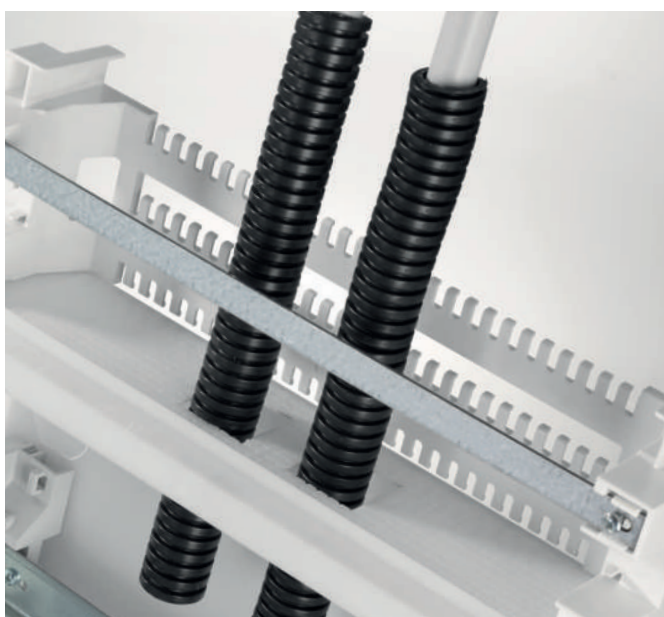
Horizontal coupling

The consumer units can be coupled side by side with the horizontal junction unit accessory, protecting the passage of cables between adjacent units.



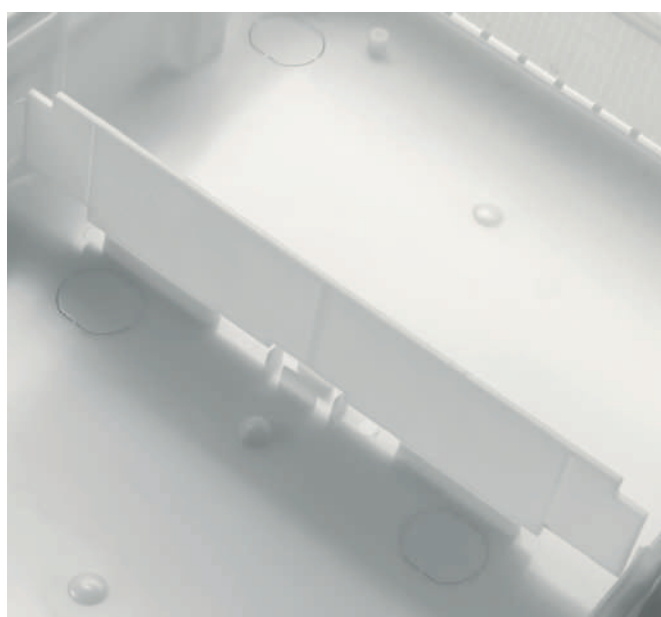
Mortar guard

All versions include a mortar guard that prevents mortar sprays inside the consumer unit.



Dual-function accessory

A single accessory performs a dual function. It can be used to fix pipes to the unit's housing or to vertically couple two consumer units.

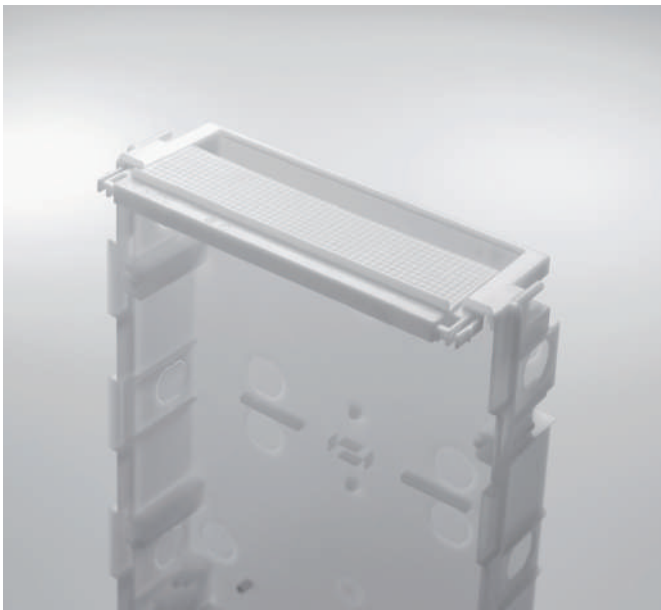


Internal partition

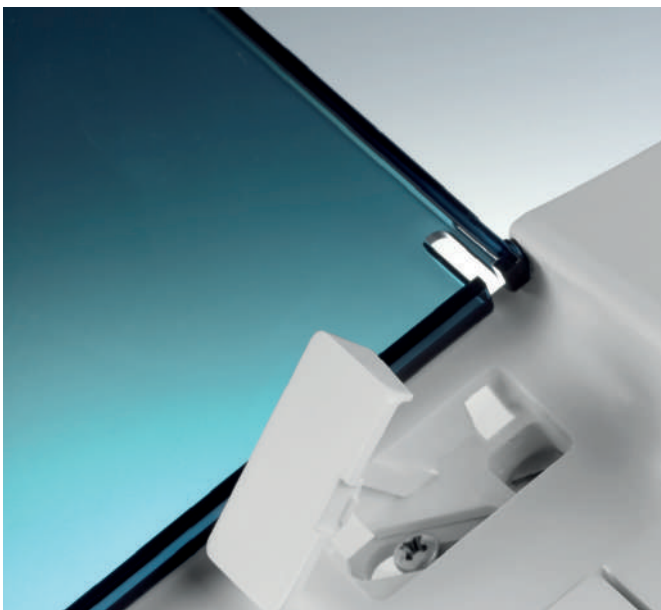
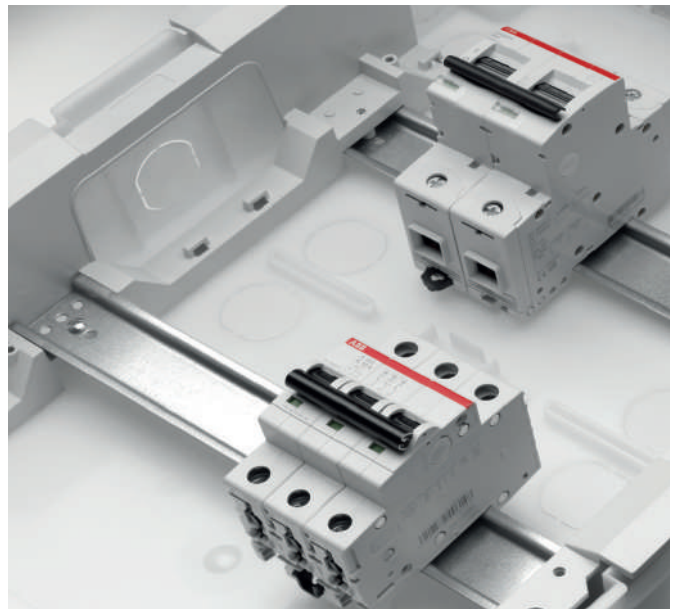
The horizontal partition allows the interior of the unit to be divided into two parts.

Flanges

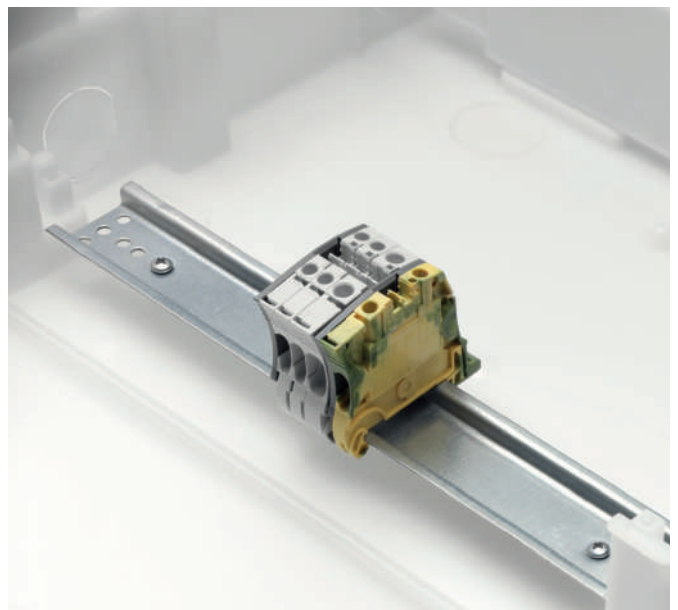
The flange with multi pre-cuts is designed to be sheared only where necessary in order to ensure a more secure fastening. The removable flange with knockout holes ensure a reliable and safe placing of flexible pipes and other conduits, especially in plasterboard installation.

**Two DIN rail positions**

The extraxtable frame offers two DIN rail positions so devices of different depths, like S200 or S800 miniature circuit breakers, can be installed in perfect alignment.

**Captive screw covers**

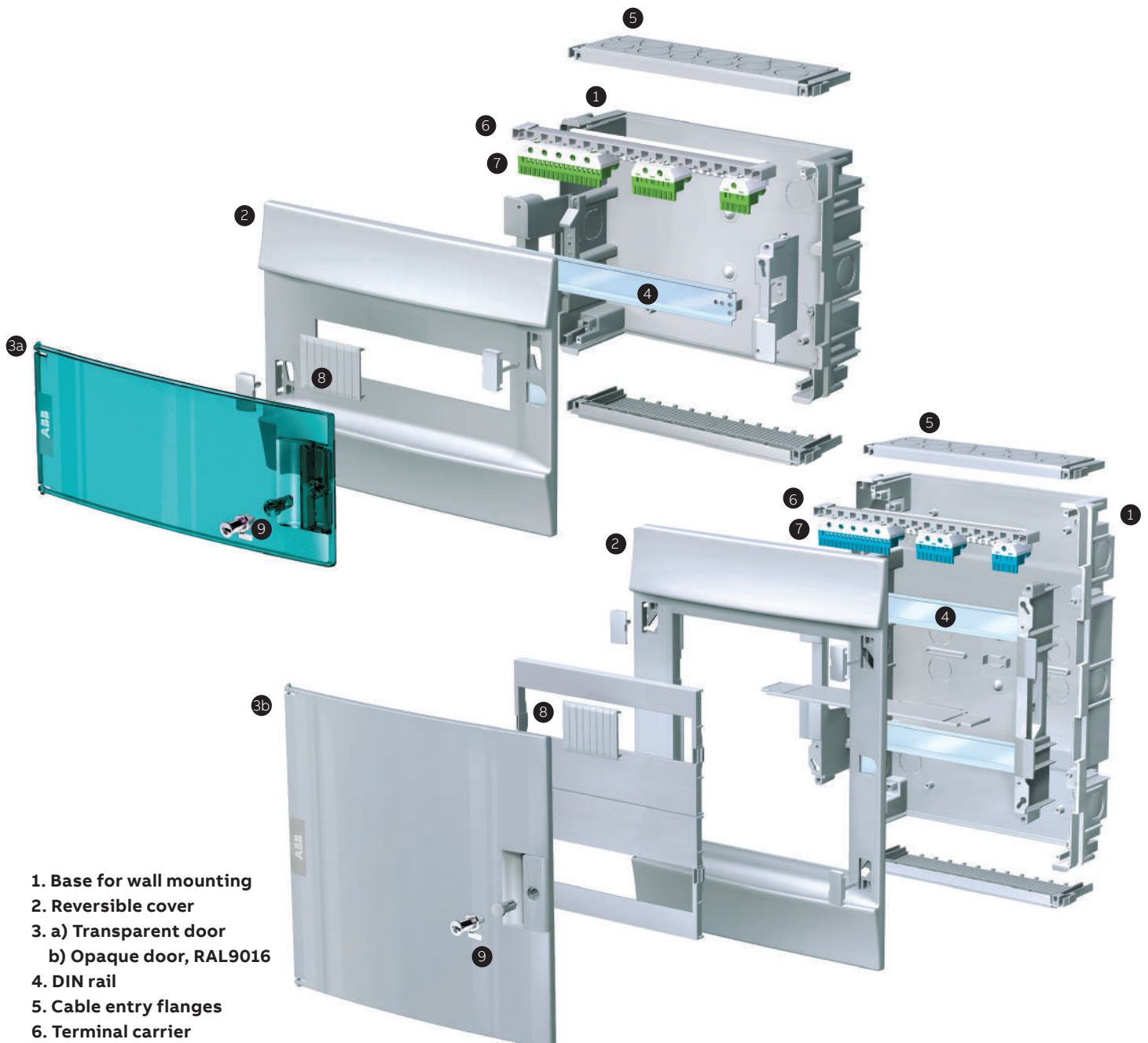
Screw covers are hooked to the front panel so they can be removed without the risk of losing them.

**DIN rail terminals**

It is possible to install an extra DIN rail at the bottom of the consumer unit.

A versatile range suitable for every application

The simple construction of the MISTRAL41F series makes the units fast and easy to assemble. What is more, the flexible design allows easy adaptation to various application requirements.

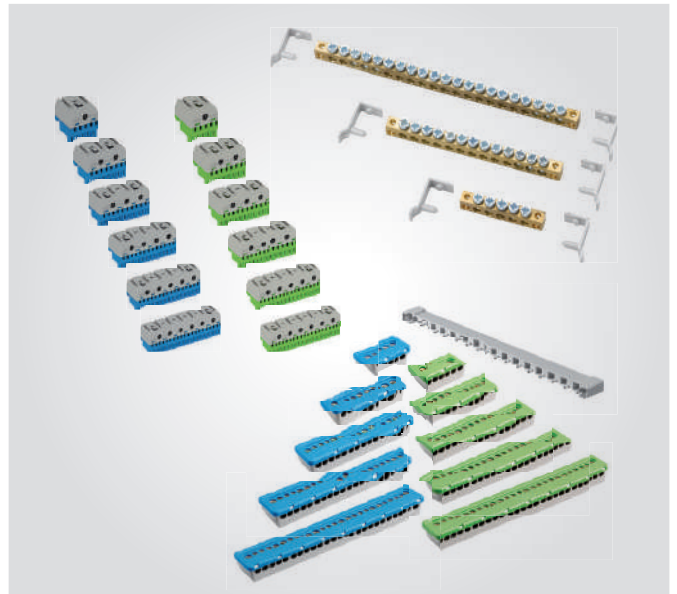


1. Base for wall mounting
2. Reversible cover
3. a) Transparent door
b) Opaque door, RAL9016
4. DIN rail
5. Cable entry flanges
6. Terminal carrier
7. Quick coupling terminal blocks
8. Module cover
9. Finish or closure element
(optional lock)



Horizontal levelling

The external adjustments of the front cover assure a perfect horizontal levelling even if the consumer unit is slightly crooked.



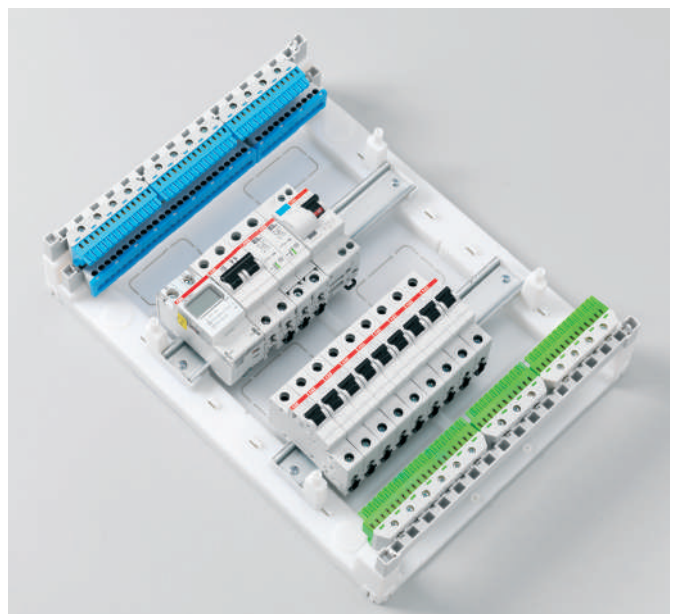
3 different terminal systems available

The MISTRAL range of consumer units is supplied with a wide range of terminal systems: Terminal bars with screws and the two versions of terminal blocks offering screw or screwless couplings.



Hollow wall mounting

For the hollow wall mounting our consumer units provide a special enclosure and hollow mounting screws.








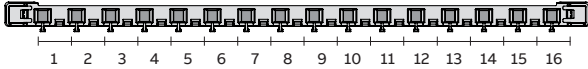
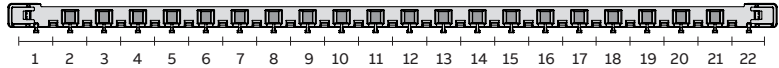


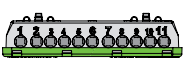
Fast and tidy cabling

Both versions of terminal blocks can be installed on the terminal carriers on the upper and lower part of the unit. They are available in the colors green and blue.

MISTRAL41F

Order codes with terminals | Flush-mounted – Brick wall

MISTRAL41F – Order codes 650

MISTRAL41F	Description	N° of modules [18 mm]	GWT	Dimensions W x H x D [mm]	Order code	Type code	Packaging
	MISTRAL41F flush opaque door 8M 12SM	8	650	232 x 250 x 108	1SLM004102A1102	41A08X11A	1/12
	MISTRAL41F flush transparent door 8M 12SM	8	650	232 x 250 x 108	1SLM004101A1202	41A08X12A	1/12
 1 2 3 4 5 6 7 8 9 10 11 1SPE007715F0751		 1 2 3 1SPE007715F0731	 1 2 3 1SPE007715F0741				
	MISTRAL41F flush opaque door 12M 12SM	12	650	320 x 250 x 108	1SLM004102A1103	41A12X11A	1/9
	MISTRAL41F flush transparent door 12M 12SM	12	650	320 x 250 x 108	1SLM004101A1203	41A12X12A	1/9
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 1SPE007715F0752		 1 2 3 1SPE007715F0731	 1 2 3 1SPE007715F0741				
	MISTRAL41F flush opaque door 18M 22SM	18	650	430 x 250 x 108	1SLM004102A1104	41A18X11A	1/6
	MISTRAL41F flush transparent door 18M 22SM	18	650	430 x 250 x 108	1SLM004101A1204	41A18X12A	1/6
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 1SPE007715F0753		 1 2 3 4 5 1SPE007715F0732	 1 2 3 4 5 1SPE007715F0742				
	MISTRAL41F flush opaque door 24M 32SM	24	650	320 x 435 x 108	1SLM004102A1105	41A12X21A	1/5
	MISTRAL41F flush transparent door 24M 32SM	24	650	320 x 435 x 108	1SLM004101A1205	41A12X22A	1/5
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 1SPE007715F0752		 1 2 3 4 5 6 7 1SPE007715F0733	 1 2 3 4 5 6 7 1SPE007715F0743				
	MISTRAL41F flush opaque door 36M 2F 42SM	36	650	430 x 435 x 108	1SLM004102A1106	41A18X21A	1/3
	MISTRAL41F flush transparent door 36M 2F 42SM	36	650	430 x 435 x 108	1SLM004101A1206	41A18X22A	1/3
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 1SPE007715F0753		 1 2 3 4 5 6 7 8 9 1SPE007715F0734	 1 2 3 4 5 6 7 8 9 1SPE007715F0744				
	MISTRAL41F flush opaque door 36M 3F 44SM	36	650	320 x 600 x 108	1SLM004102A1107	41A12X31A	1/4
	MISTRAL41F flush transparent door 36M 3F 44SM	36	650	320 x 600 x 108	1SLM004101A1207	41A12X32A	1/4
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 1SPE007715F0752		 1 2 3 4 5 1SPE007715F0732	 1 2 3 4 5 1SPE007715F0742				
 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 1SPE007715F0752		 1 2 3 4 5 1SPE007715F0732	 1 2 3 4 5 1SPE007715F0742				

MISTRAL41F – Order codes 650

[illegible]

MISTRAL41W

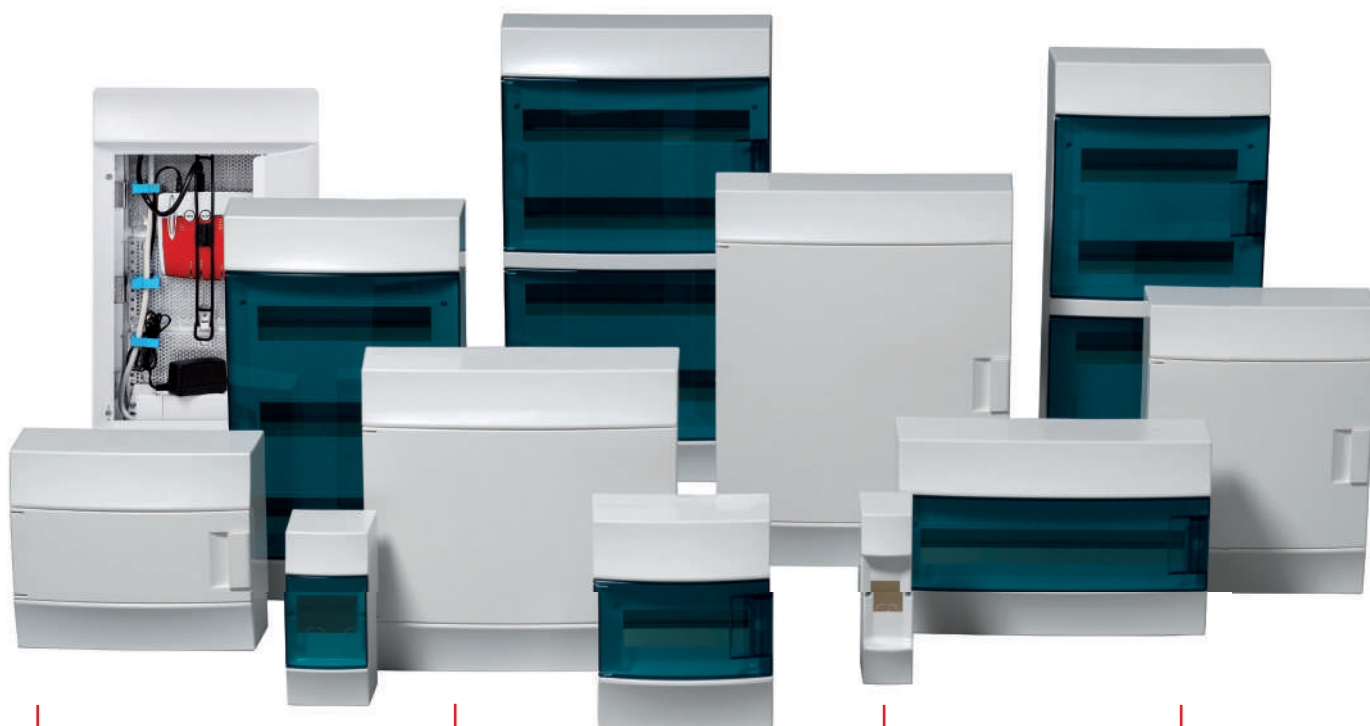
Wall-mounted series

The MISTRAL41W series of consumer units gives installers the freedom and flexibility to implement any type of electrical distribution system in residential buildings. This wide range of wall-mounted, IP41-rated units has been designed from scratch to enhance the unique features that make ABB the leading industry standard.

The units are fast and easy to install and look great anywhere thanks to their elegant design. Furthermore, ample internal space, a choice of doors and a unified range of accessories offer endless possibilities to create high-quality work installers can be proud of.



Fast and easy to be installed.
Design and simplicity
"all in one".



Multimedia version for integration of internet routers, antenna or voice splitters.

Door available in two versions: petrol blue and opaque. Units without doors are also available.

Door opens up to 180° allowing full access to the interior of the unit.

Concealed rear mounts for secure wall installation.

The symmetrical design allows opening of the reversible door either from the left or from the right.

Endless installation possibilities

Invisible cable entry and exit

Pre-cut knockout slots allow cable entry and exit from the top and bottom. When not used, the slots remain invisible on the outside maintaining the consumer unit's sleek look and feel.



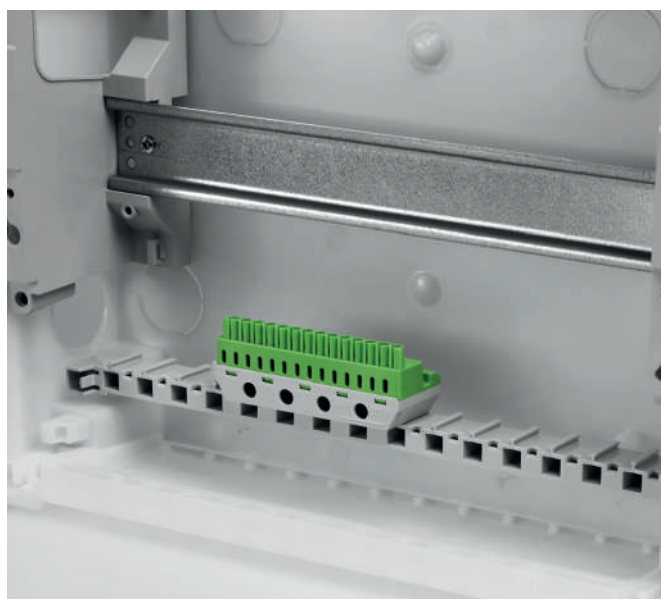
More than enough internal space

Lots of internal space makes cabling even easier. Cable clips and holes allow wires to be fastened to the frame with simple cable ties.



Easy installation of extra modules

An extra module can be added by removing two pre-cut elements. This offers a quick and easy solution when unexpected additional installation is required.

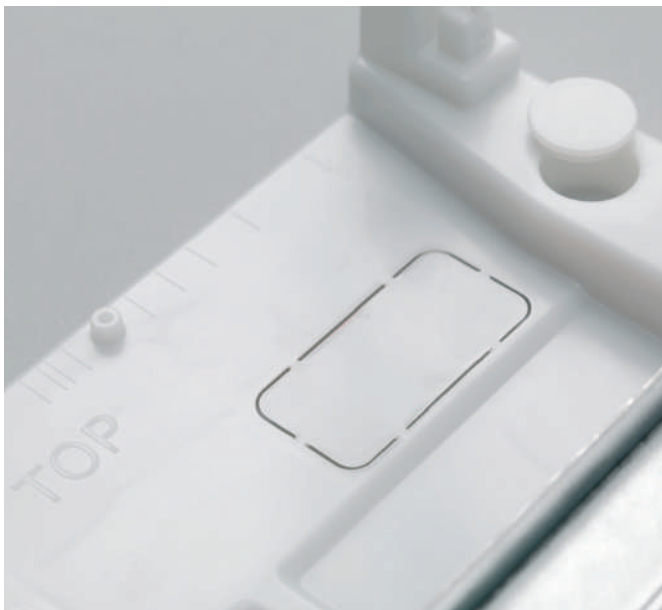


Terminal blocks – screwless version

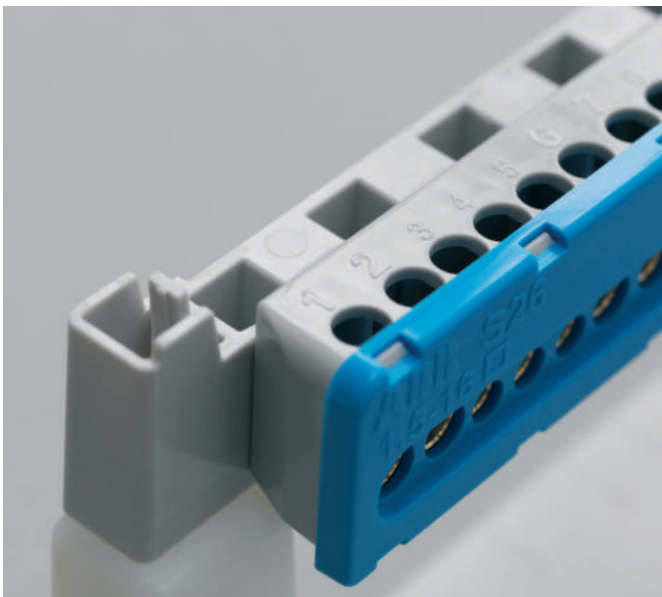
Time-saving installation thanks to the snap-on system of the screwless terminal blocks which can simply be plugged into the terminal carriers.

Double insulation protection

The unit housing and all accessories have been designed and developed to ensure Class II double insulation protection.

**Multi-row units**

Multi-row units are available with a standard distance of 125 mm between DIN rails.

**Terminal blocks – screw version**

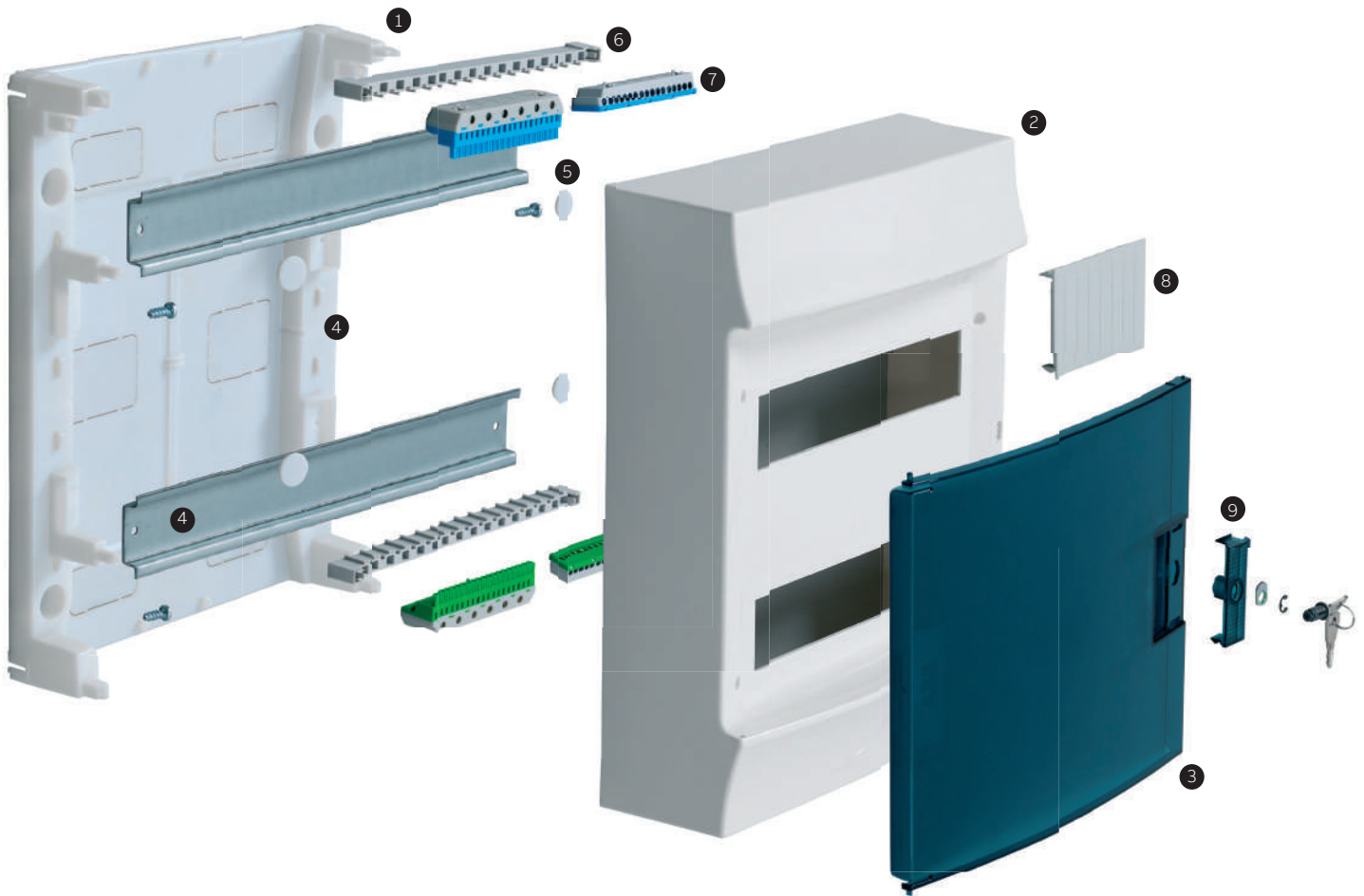
Within the flexible modular concept the new terminal blocks both screw and screwless versions ensure easy and effective cabling up to 63A or 100A.

**Optional door lock**

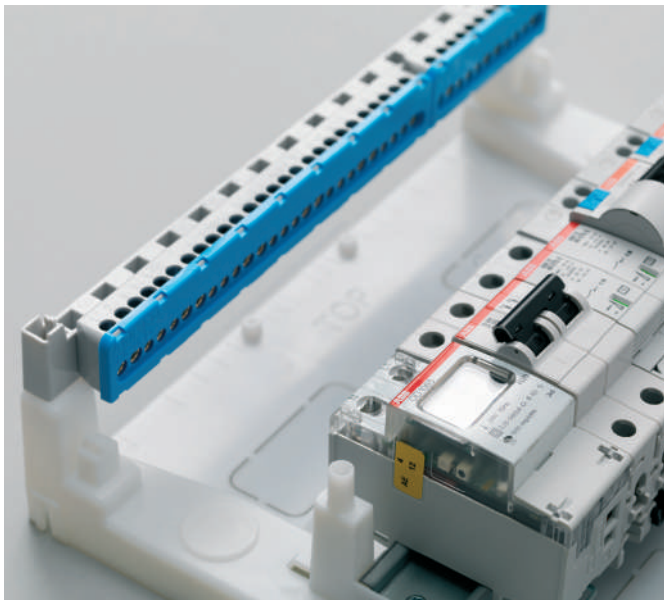
The standard door with ergonomic handle is available with a lock for additional security.

A versatile range suitable for every application

The simple construction of the MISTRAL41W series makes the units fast and easy to assemble. Furthermore, they can be easily adapted to various application requirements thanks to their flexible design.

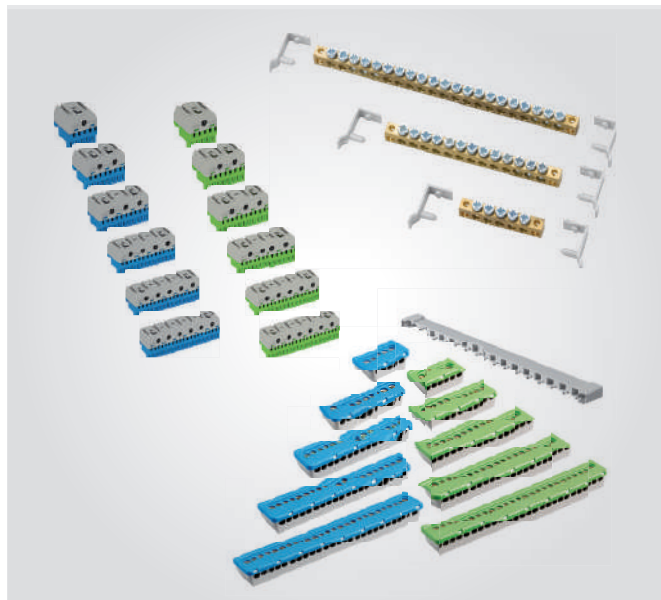


1. Base for wall mounting
2. Reversible cover
3. Transparent door
4. DIN rail
5. Plugs, protection class II
6. Terminal carrier
7. Quick coupling terminal blocks
8. Module cover
9. Finish or closure element
(optional lock)



A unified range of products

The MISTRAL41W series is compatible with a unified range of ABB products. As a result, terminal blocks, circuit breakers, switches, surge protective devices and many other components can all be installed in the units for a wide variety of applications.



3 different terminal systems available

Choose from a range of terminal bars or two versions of terminal blocks for precise configurations responding to individual requirements thanks to the flexible modular concept.





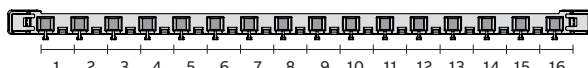

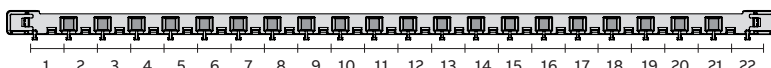

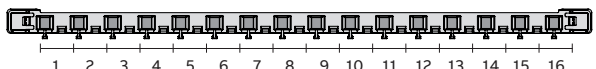
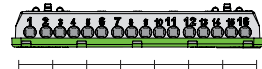

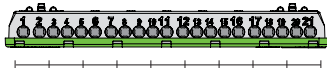

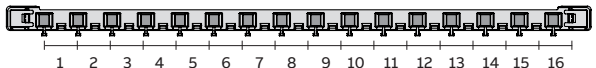


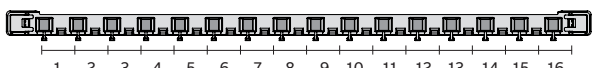
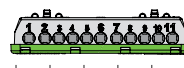
You can find all additional information, technical details and service offers on the ABB website whenever you need them. If you miss some information or need additional support you can also contact your local ABB retailer or ABB sales representative. They would be happy to assist you.



MISTRAL41W

Order codes with terminals

MISTRAL41W – Order codes 650

MISTRAL41W	Description	N° of modules [18 mm]	GWT	Dimensions W x H x D [mm]	Order code	Type code	Packaging
	MISTRAL41F opaque door 8M 12SM	8	650	202 x 257 x 120	1SLM004102A3102	41P08X11A	1/7
	MISTRAL41W transparent door 8M 12SM	8	650	202 x 257 x 120	1SPE007717F0321	41P08X12A	1/7
	  						
	MISTRAL41W opaque door 12M 12SM	12	650	292 x 257 x 120	1SLM004102A3103	41P12X11A	1/5
	MISTRAL41W transparent door 12M 12SM	12	650	292 x 257 x 120	1SPE007717F0421	41P12X12A	1/5
	  						
	MISTRAL41W opaque door 18M 22SM	18	650	382 x 257 x 120	1SLM004102A3104	41P12X21A	1/3
	MISTRAL41W transparent door 18M 22SM	18	650	382 x 257 x 120	1SPE007717F0821	41P12X22A	1/3
	  						
	MISTRAL41W opaque door 24M 32SM	24	650	292 x 382 x 120	1SLM004102A3105	41P12X31A	1/2
	MISTRAL41W transparent door 24M 32SM	24	650	292 x 382 x 120	1SPE007717F0521	41P12X32A	1/2
	  						
	MISTRAL41W opaque door 36M 2F 42SM	36	650	382 x 382 x 120	1SLM004102A3106	41P12X41A	1/2
	MISTRAL41W transparent door 36M 2F 42SM	36	650	382 x 382 x 120	1SPE007717F0921	41P12X42A	1/2
	  						
	MISTRAL41W opaque door 36M 3F 44SM	36	650	292 x 507 x 120	1SLM004102A3107	41P18X11A	1/2
	MISTRAL41W transparent door 36M 3F 44SM	36	650	292 x 507 x 120	1SPE007717F0621	41P18X12A	1/2
	     						

MISTRAL41W – Order codes 650

MISTRAL41W	Description	N° of modules [18 mm]	GWT	Dimensions W x H x D [mm]	Order code	Type code	Packaging
	MISTRAL41W opaque door 54M 64SM	54	650	382 x 507 x 120	1SLM004102A3109	41P18X31A	1/2
	MISTRAL41W transparent door 54M 64SM	54	650	382 x 507 x 120	1SPE007717F1021	41P18X32A	1/2
							
							
	MISTRAL41W opaque door 48M 64SM	48	650	292 x 656 x 120	1SLM004102A3108	41P18X21A	1/1
	MISTRAL41W transparent door 48M 64SM	48	650	292 x 656 x 120	1SPE007717F0721	41P18X22A	1/1
							
							
	MISTRAL41W opaque door 72M 84SM	72	650	382 x 656 x 120	1SLM004102A3110	41P18X41A	1/1
	MISTRAL41W transparent door 72M 84SM	72	650	382 x 656 x 120	1SPE007717F1121	41P18X42A	1/1
							
							