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A point of reference. For simplicity and effectiveness
A complete series, versatile and easy to install

Efficiency, safety, integration: the new System pro *E* comfort MISTRAL65 series rests on the strengths which have consolidated ABB's image over the years for its expertise and reliability in the area of products for protection, control, monitoring, measurement, safety and energy efficiency. These innovative IP65 rated consumer units complete ABB's wide product range for the industrial sector, but also the range for the commercial and residential sectors, in which ABB is represented in the market with the Élos and Chiara ranges of cabling accessories, the integrated Mylos system for home and building automation, the 2Line Musa & Zenith intercom and video intercom systems, and the wireless home automation system DomusTech.
The result of constant research and constant attention paid to technological development, the System pro *E* comfort MISTRAL65 series consumer units are designed to satisfy all requirements electrical installers might have.



The new range of System pro *E* comfort MISTRAL65 consumer units allows almost any type of electrical distribution system to be implemented in industrial, commercial and residential environments. The consumer units are manufactured in a halogen-free thermoplastic which is completely recyclable.
The range includes solutions with transparent or opaque doors which open up to 180°, and a choice of between 4 and 72 modules, meeting the most recent regulatory requirements and ensuring an enormous variety of application types are covered.
The refined design is marked by some particular characteristics, for example the perfect symmetry, which allows either the whole consumer unit or just the front panel to be rotated, easily changing the door opening side.
In the multi-row versions, the centre distance of the DIN rails can be varied from 150 mm to 125 mm, further increasing the versatility of the product and using the same standard accessories.

The frame is extractable for quick and easy bench cabling.
The ample internal space makes the cables more accessible, facilitating cabling and giving the possibility to anchor the cable-ties to special eyeholes on the frame.
The consumer units are designed to house optional dedicated terminal blocks in two different colour schemes to allow quick and tidy cabling, and making separate power supplies easily recognisable, when used.
The range is completely coordinated with ABB MCBs and MCCBs, all of which can be easily installed simply by moving the rail provided for their housing.
The project design also aimed to optimise cabling, assembly and installation times of the consumer units.
Everything has been designed to make the installer's job quicker and easier, allowing them to implement functional and tidy switchboards.



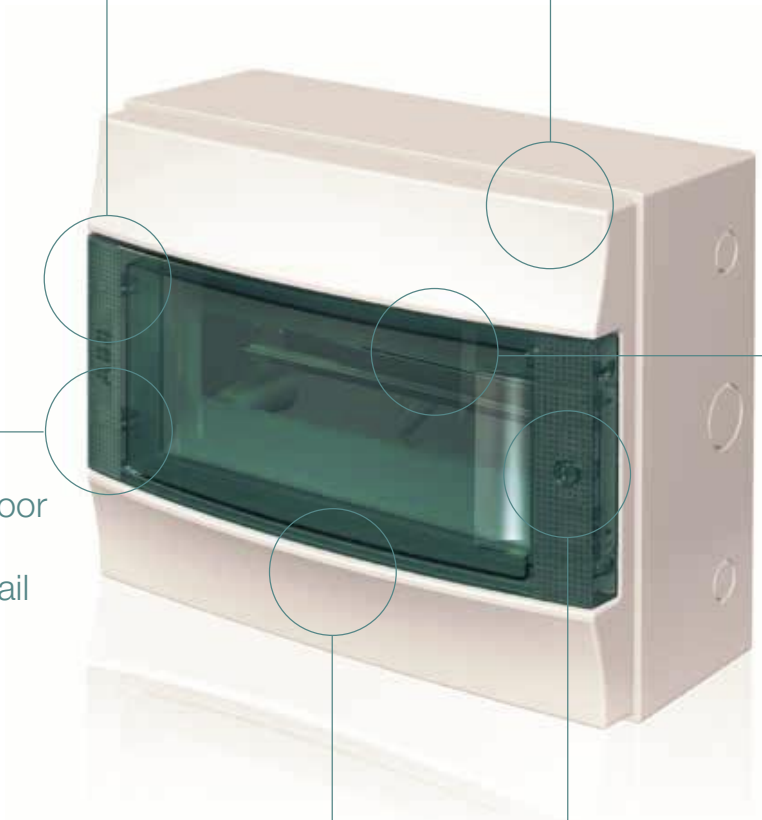


Innovating today does not just mean looking for functional and technologically advanced solutions. For ABB, being innovative means embracing a longer-term perspective by using eco-compatible materials for our products which respect the environment even at the end of their life cycle. For this reason,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

A point of arrival. For functions and applications
The benefits of a product range designed to last

The 180° door opening facilitates total accessibility to the interior of the consumer unit

The minimalistic simplicity of the new design combines technological reliability with the most innovative aesthetic trends

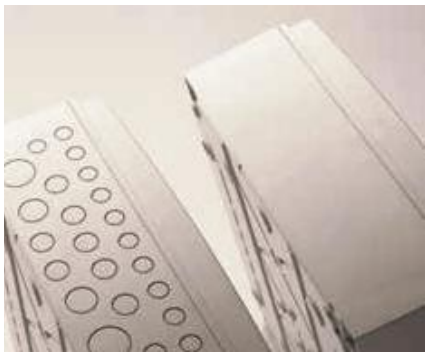


The transparent door in the exclusive new petrol blue colour ensures an elegant and original look

The decorative texture of the door underlines the attention to detail and the quality of the finish

The perfect symmetry of the front allows the opening to be completely reversed

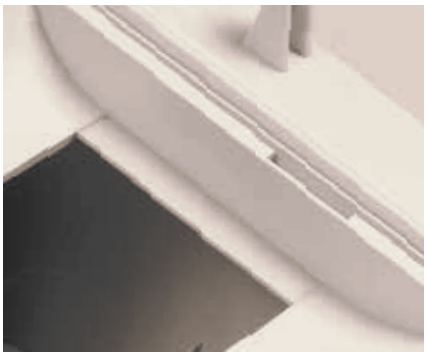
The door has an ergonomic handle with snap-on closing or a lock (optional)



Aside from a series of side knockouts for cable entry and exit, the consumer units can be supplied, on request, with cable entries and exits both at the top and bottom.



Interior slots allow the consumer unit to be fixed to the wall in points which are not visible from the outside, thus contributing to an aesthetically clean installation. Special snap-in closure plugs guarantee protection class II (double insulated).



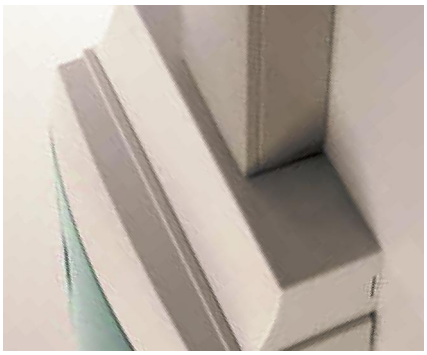
The possibility to add an additional module by removing two pre-trimmed elements is an extremely useful solution which allows additions to be managed easily and tidily when unforeseen installation requirements are called for.



To speed up cabling and make it neater, various snap-on terminal blocks can be installed (optional and in two different colours), both in the upper and the lower part of the consumer unit. The terminals come in two versions: screw and quick-coupling, for easy and effective cabling with any type of conductor.



The standard door with ergonomic handle and snap-on closure can be supplied with a lock and key on request, ensuring only authorised persons have access and avoiding tampering or incorrect operations.



The new polycarbonate accessory for trunking entry can be positioned at the top or bottom of the consumer unit, connecting and protecting the conductor bundles. A series of internal knockouts allows it to house any type of trunking.

A point of view. Never seen before
The technical characteristics and installation possibilities

Practical rear brackets provide practical and stable wall fastening

Every front panel is supplied with captive screws, giving practical and safety advantages



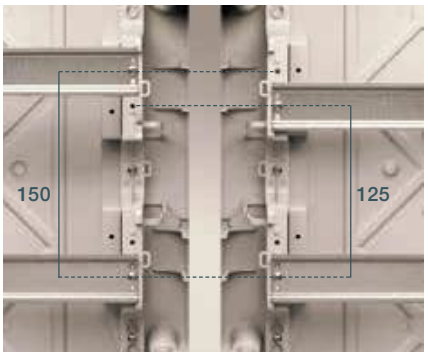
The side knockouts offer additional possibilities for the cables' path

The dual gasket on the front panel module ensures an improved seal

All accessories and the slightest details have been designed and developed in order for the consumer unit to maintain double insulation properties at all times



The extractable frame simplifies and speeds up bench cabling operations. The slotted holes in the frame allow it to be quickly fixed inside the enclosure.



In order to create space at the top or bottom of the consumer unit, the centre distance of the DIN rails can be modified from the standard distance of 150 mm to 125 mm. The closure panels, which are completely reversible, can be unhooked, reversed and reinstalled with a simple click.



Spaces have been created inside the consumer units to make cabling even easier, with cable clips and holes for fastening the conductors to the frame with simple cable-ties.



If the consumer unit must be made completely inaccessible, it is possible to use accessories to seal the front panel.



The consumer units can be installed side by side, with cable gland accessories protecting the conductors' path between adjacent units.



The accessories include blind panels and base plates allowing installation of other types of devices aside from modular DIN rail products such as contactors, manual motor starters or devices on the front of the panel.

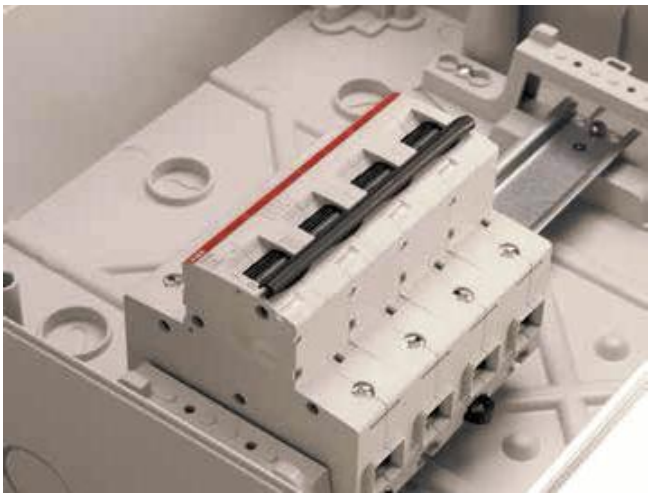
A point of contact with the world of ABB
Perfect coordination with all products

The project was inspired by the objective of allowing a wide range of products and solutions with different functions and dimensions to be installed in a single IP65 consumer unit, thus meeting the widest range of needs.
MCBs, MCCBs and devices installed in the front of the panel in an integrated, rational and functionally appropriate position.

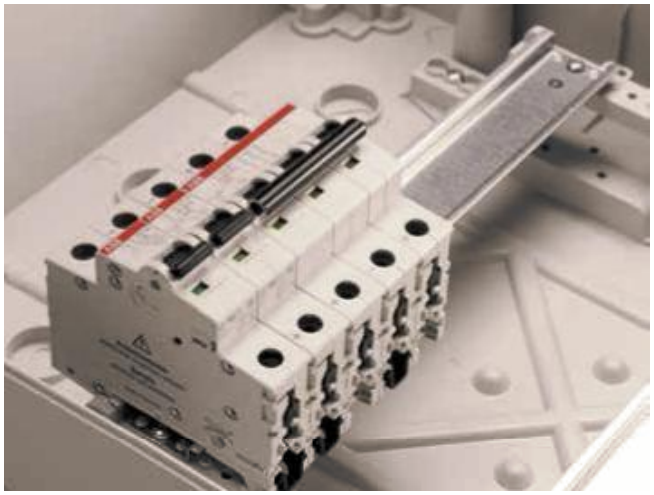




The frame allows for two different DIN rail positions.
This allows products with different depths to be installed, for example MCCBs which, thanks to this solution, are perfectly aligned with other devices in the panel.



Among these components with greater depth dimensions which can benefit from this flexibility of the frame, we must remember high-performance MCBs with greater than standard depth.



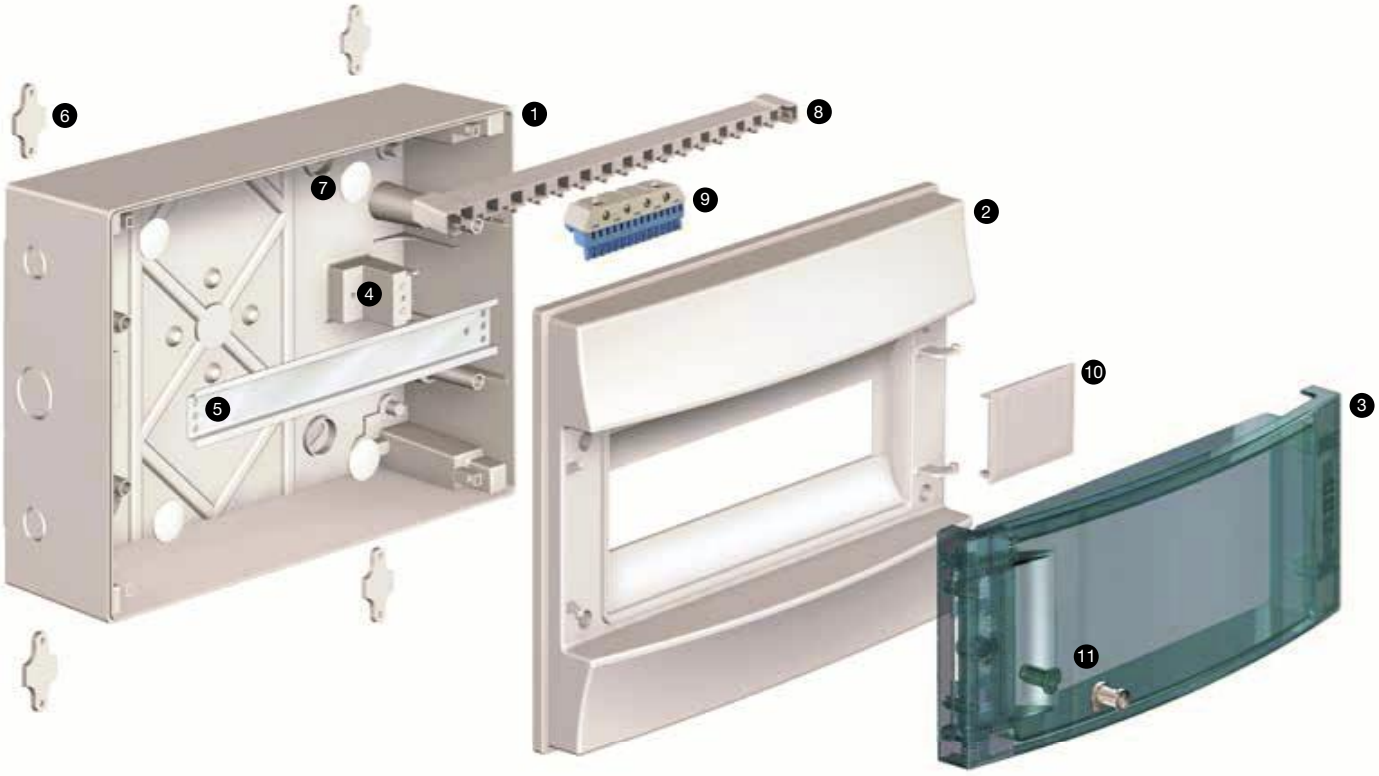
The first depth level allows standard products to be housed; these include most modular products currently available on the market.



Among the accessories, the availability of blank panels and base plates allows non-modular equipment to be installed on the front of the consumer unit, such as control buttons and indicator lights.

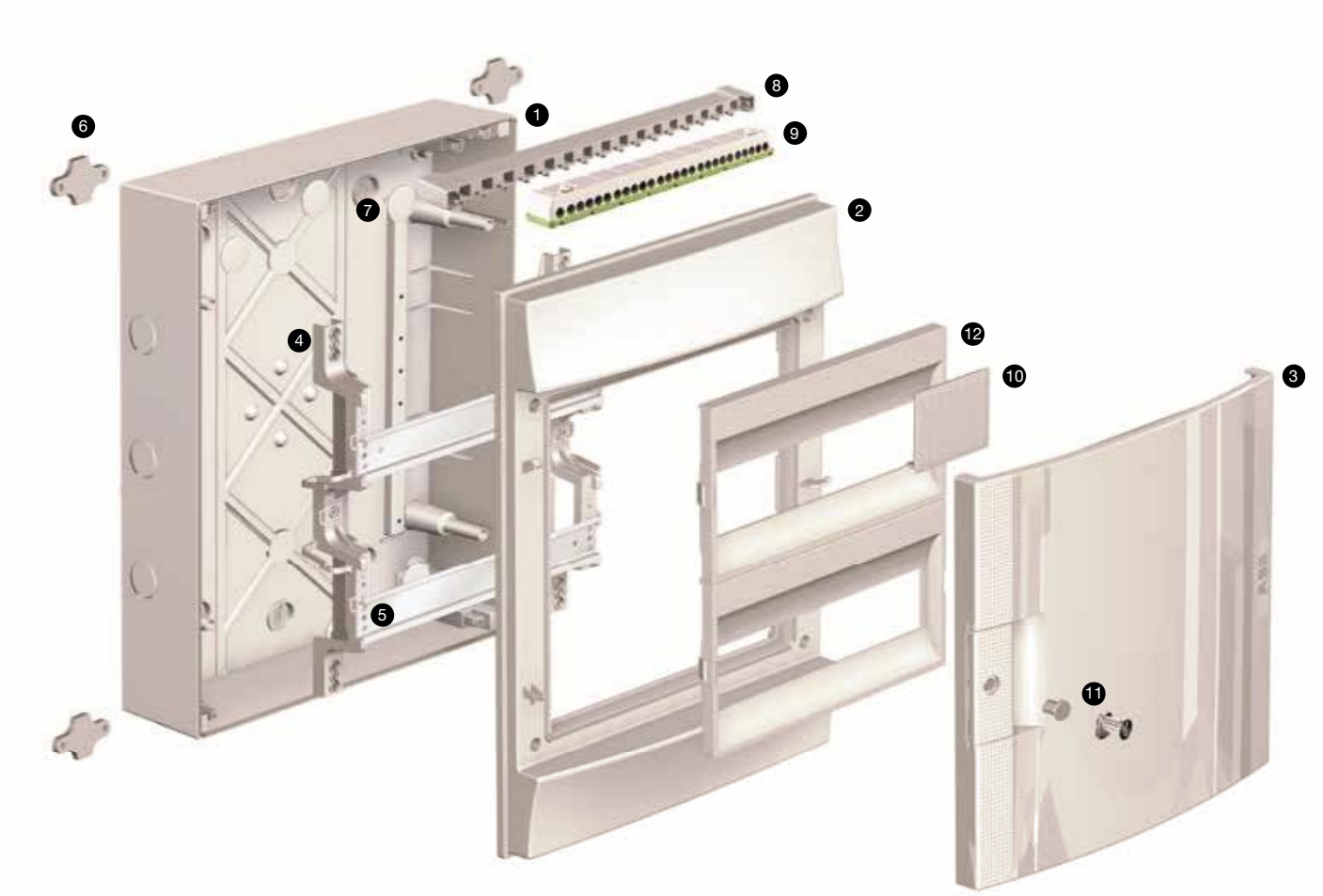
A point of departure for made-to-measure solutions
The flexibility of a range designed for every application

The simplicity of the consumer units makes adapting them to various system requirements easy.
Optional terminal blocks which can be installed in the top or bottom of the consumer unit allow the cabling to be performed in a tidy manner and their different colours facilitate recognition of any separate circuits.



1. Box for wall mounting
2. Reversible front panel
3. Transparent door
4. Fixed support for DIN rail
5. DIN rail
6. Wall fastening brackets
7. Plugs, protection class II
8. Jumper for terminals
9. Quick-coupling terminals
10. Module cover
11. Finish or closure elements (lock and key optional)

The perfectly symmetrical design of the front panel makes the choice of opening direction for the door simple – this can be changed just by rotating the whole structure, without having to perform risky separation of parts. The extractable doors also facilitate access to the various components installed in the consumer unit.



1. Box for wall mounting
2. Reversible front panel
3. RAL 7035 opaque door
4. Fixed support for DIN rail
5. DIN rail
6. Wall fastening brackets
7. Plugs, protection class II
8. Jumper for terminals
9. Quick-coupling terminals
10. Module cover
11. Finish or closure elements (lock and key optional)
12. Reversible panels


801025F0901

Wall fixing bracket


801028F0901

Module cover


801027F0901

Lock


801026F0901

Cable gland


801029F0901

Adapter for trunking


801030F0901

Junction unit


801031F0901

Terminal carrier

Description	ABB code	Order code	Pack./ N. pieces
Other accessories			
Wall fixing brackets (4 pcs) MISTRAL65	1SLM006500A1927	1SL1927A00	1/30
Module cover 12M MISTRAL65	1SLM006500A1929	1SL1929A00	5/180
Sealing kit MISTRAL65	1SLM006500A1950	1SL1950A00	1/50
Lock with key MISTRAL65	1SLM006500A1931	1SL1931A00	1/10
Cable glands			
Cable gland Ø 16	1SLM006500A1935	1SL1935A00	10/100
Cable gland Ø 20	1SLM006500A1936	1SL1936A00	10/100
Cable gland Ø 25	1SLM006500A1937	1SL1937A00	10/100
Cable gland Ø 32	1SLM006500A1938	1SL1938A00	5/50
Adapter			
Adapter for trunking MISTRAL65	1SLM006500A1942	1SL1942A00	1/10
Junction unit			
Junction unit Ø 28,5 MISTRAL65	1SLM006500A1949	1SL1949A00	10/400
Terminal carrier			
Terminal carrier 8M MISTRAL65	1SPE007715F0751		5/280
Terminal carrier 12M MISTRAL65	1SPE007715F0752		5/225
Terminal carrier 18M MISTRAL65	1SPE007715F0753		5/150

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«FORSTAR» (основан в 1998 г.)

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