System pro E® energy
Beyond connected, always one step ahead of maintenance

- **Flexible and scalable solutions for commercial and industrial areas**
- **Retrofit existing installations within a day**
- **Connect the system to the cloud in only 10 minutes**
- **Lower operational costs and improved facility value by 5 %**
- **Save up to 20 % of energy and reduce CO_2 emissions by 15 %**

Designed for commercial and industrial buildings, System pro E® energy sub distribution boards have been developed for simple and flexible configuration and offer 20 % more wiring space, require 30 % less stock and save up to 40 % of assembly time.

Table of contents

System pro E® energy

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System pro E® energy

The new modular and welded solution for wall-mounted and floor-standing distribution boards, up to 800 A

Wall mounted and floor standing sub distribution boards up to 800 A for commercial and industrial requirements.

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01
System pro E® energy M is the monoblock cabinet with attachable side panels

The comprehensive System pro E® energy range includes wall mounted and floor standing sheets steel cabinets, offering protection degrees against dust and water up to IP43 and IP55.

A common interior fitting and busbars for the complete platform, allows the users to easily integrate all types of ABB low voltage electrical devices, to build distribution panels up to 800A.

The range has been developed for simple and easy configuration and provides maximum flexibility to the panel builder and installer, to build the distribution board for any application. System pro E® energy is simple in planning, quick in assembly and safe in application.

System pro E® energy L is delivered as flat kits while System pro E® energy M is a monoblock cabinet with attachable side panels.

Both versions share the same busbars, functional units, doors, bases and cable flanges, reducing the overall commercial references for the overall pro E® energy platform.
This reduces the number of codes by 15% and 30% less stock is required.

System pro E® energy provides maximum simplifies configuration and saves 40% of assembly time. Several different wiring options and the modular plinth concept increase flexibility significantly.

System pro E® energy introduces several features to reduce the assembly time:
- Click-in supports to fix the mounting plates, DIN-rails, isolators etc. to the cabinets without any screw
- All the cover plates have the 1/4 turn screws already pre-assembled
- Innovative flange technology with tool-free installation
- Door ready to mount
- System pro E® energy L has a reduced number of screws to build the cabinet
- Frame to remove all cover plates at once
- Easy assembly of the base and the horizontal coupling
- Easy accessibility and 20% more wiring space

The combination of the System pro E® energy cabinets and ABB's low voltage devices are certified according the standard IEC 61439-2 / -3 and IEC62208.

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02
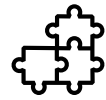
Product benefits

Easy, simple and flexible

Quick assembly

Safe application

System pro E® energy
The complete cabinet system …

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The System pro E® energy range includes two types of cabinets and one internal configuration system.

System pro E® energy L
Tailored and proven wall mounted and floor standing sub distribution boards up to 800 A.

Delivered in flat kits, System pro E® energy L provides a protection degree up to IP43 (IP30 without the door).

System pro E® energy M
Monoblock cabinet with attachable side panels, available in both configurations: wall mounted and floor standing.

System pro E® energy M sub distribution boards provide a protection degree up to IP55 (IP30 without the door).
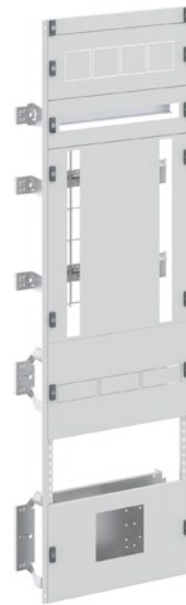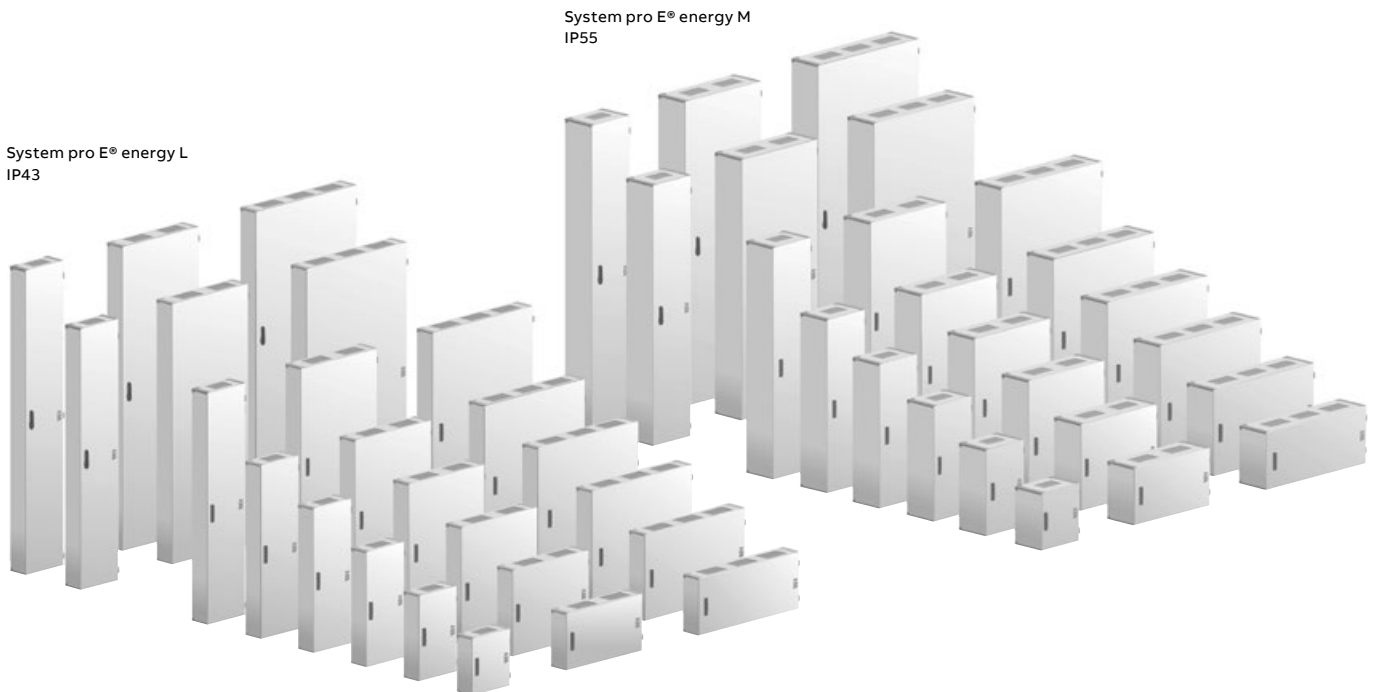
System pro E® energy Combi
The common internal configuration system facilitates the installation of a wide range of ABB Low Voltage devices based on its modular system, delivered in flat packs.

01

System pro E® energy
... in every size and application

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Easy, simple and flexible in configuration
Quick in assembly
Safe in application

System pro E® energy M
IP55

System pro E® energy L
IP43

Cabinet type		System pro E® energy L			System pro E® energy M		
Degree of protection		up to IP43			up to IP55		
Protection Class		I			I		
Depth		250mm			250mm		
Width		400	600	800	400	600	800
Height	600	■	■	■	■	■	■
	800	■	■	■	■	■	■
	1000	■	■	■	■	■	■
	1200	■	■	■	■	■	■
	1400	■	■	■	■	■	■
	1600	■	■	■	■	■	■
	1800	■	■	■	■	■	■
	2000	■	■	■	■	■	■

> Dimensions in mm

System pro E® energy
Product benefits

Easy, Simple and Flexible

- Cabinets of 400, 600 and 800 mm width. The 800 mm width cabinets can incorporate an integrated cable compartment.
- Heights available from 600 up to 2000 mm, always with a common depth of 250 mm, horizontal coupling of 2 or more cabinets possible
- Modular concept: all functional units in steps of 50mm in height
- The busbars can be assembled vertically or horizontally
- Only one type of tool is required for the assembly of the cabinets

Innovative cable entry and ease of installation
Several options provide the right solution for any kind of wiring application. System pro E® energy offers the options of cabinets with the top and bottom in different executions: plain with pre-knockouts for flanges, big opening.

The wide range of flange types provides the right solution for every application. The flanges can be attached without the need of tools. System pro E® energy offers unrestricted access during operation, expansion, maintenance and functional monitoring.

Plinth
The common plinth for System pro E® energy L and M has a height of 100 mm, and up to 3 of them can be stacked without any additional accessories.

The plinth consists of corner parts and lateral, front and back covers. Removing the front and back panels simplifies the panel's transportation and provides the required accessibility for the wiring in the final installation. The same applies to coupled cabinets, the removal of the internal lateral covers enables the cross-wiring between cabinets.
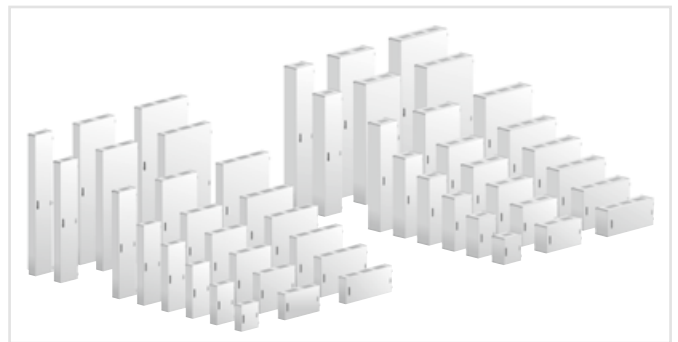
01

02

04

03

05

01 Complete range

02 Innovative cable entry

03 Easy assembly of plinth

04 Top and bottom cable entries

05 Easy assemble by one tool

System pro E® energy
Product benefits

Quick to assemble

- Assembly can be done by a single person
- Tool-free snap-on system thanks to click-in supports for DIN-rails, mounting plates, busbar holders, etc.
- Pre-assembled handles with ¼ turn screws for cover plates
- System pro E® energy Combi provides a time-saving installation due the hook-in technology. This quick assembly limits the numbers of screws.
- Guiding ledges in back panel for top and side panel fixation
- Generous wiring space, enough for vertical cable ducts of 80 mm width on each side
- Markings in the fixation profiles to quickly position the functional units and cover plates
- Frame allowing the removal of all cover plates at the same time
- Innovative flange technology with tool-free installation

Door ready to mount
- Common doors for System pro E® energy L and M
- Choose between plain and transparent doors for all cabinet widths
- PUR gasket to guarantee perfect closing and the protection degree
- 3 point locking system already mounted
- Easy and quick mounting without tools
- 130º opening angle
- Handle with several inserts available to adapt to the needs of each customer individual requirements

01

04

02

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03

01 Tool-free snap-on system thanks to click-in support / spring

04 Pre-assembled cover locks with 1/4 turn lock.

02 Adjustable bracket

05 Steel door and glass door ready for mounting

03 Removable cover

System pro E® energy
Product benefits

Safe for users, reliable and sturdy

The combination of the System pro E® energy cabinets and ABB's low voltage devices are certified according to the standard IEC 61439-2 / -3 and IEC62208

Protection degree against dust and liquids:
- System pro E® energy L: up to IP43
- System pro E® energy M: up to IP55

Strong mechanical construction
- Back panel galvanized sheet steel 1.5mm thick
- Internal corner parts to fasten the external panels, the frame of the cover plates and to execute the horizontal coupling of the cabinets
- Vertical profiles to fasten the mounting plates and isolator mounted at the back panel providing additional rigidity
- External panels sheet steel, powder coated
- Optional horizontal reinforcement for coupled cabinets
- Internal segregation up to Form 2b
- Tempered glass for the transparent door

01

02

01 Easy assembly from side-by-side

02 Internal corner part

System pro E® energy
Innovative cable entry

A wide range of flange types provides the right solution for every application.

System pro E® energy offers two options on the top and bottom panels to allow the panel builder and installer to customize the cabinet to the requirements of each installation. The top and bottom are available as:
• plain with the pre-knockouts for the cable flanges
• with a wide opening

All flanges can be installed without using any tool.
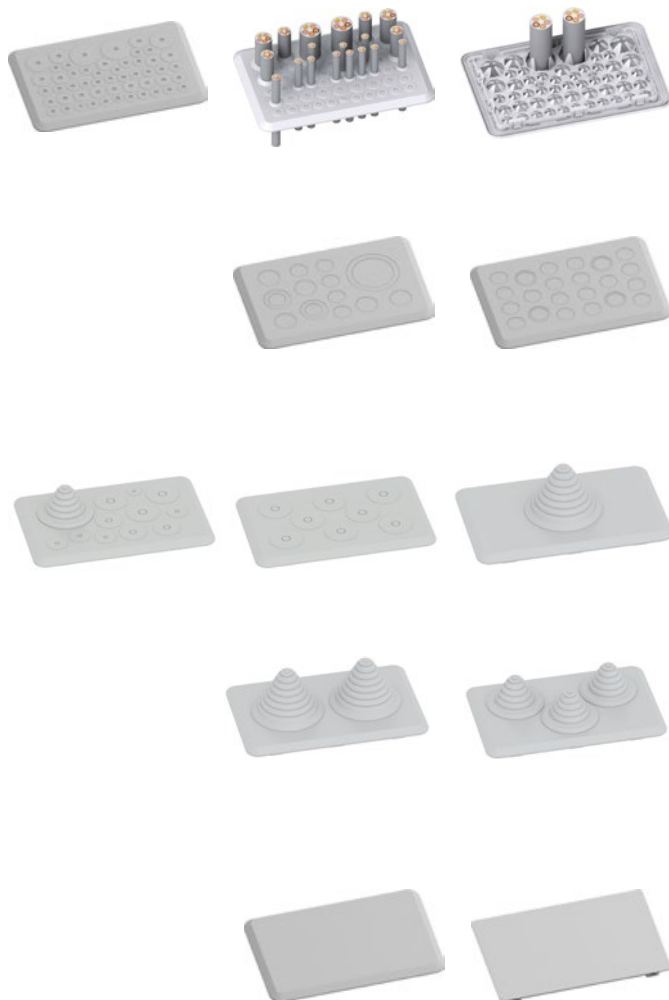
Membrane flange
• 2-component flange with integrated seal, material: plastic
• Tool-free installation thanks to push and lock technology
• Optimal cable entry thanks to the combination of hard and soft components. Additional fixing and centering

Flange for M screw fittings
• 2-component flange with integrated seal, made of plastic
• Tool-free installation thanks to push and lock technology
• With two different hole patterns

Flange with cable sleeves
• 2-component flange with integrated seal, material: plastic
• Tool-free installation thanks to push and lock technology

Closing flange - plastic
• 2-component flange with integrated seal, made of plastic
• Tool-free installation thanks to push and lock technology
• Can be used as closing flange or for customization, e.g. for cable sleeves or screw fittings

Closing flange - sheet steel
• With foam seal around perimeter, made of 2 mm sheet steel
• Continuous protective earth connection via flange fastener
• Can be used as closing flange or for customization, e.g. for cable sleeves or screw fittings

02

System pro E® energy L

System pro E® energy L

System pro E® energy L
System overview

Back and side panels

Top and Bottom

Plinth

Integrated cable compartment

Functional units

Busbars

Door

Cable flanges

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System pro E® energy L
System overview

Cabinets: Back panel + Side panels
- Back panel, sendzimir zinc plated steel 1.5 mm
- Side panels, epoxy-polyester coated sheet steel 1.25 mm
- 4 internal corner parts
- Profiles to fix the functional units (mounting plates, DIN rail, busbar isolators…)
- Frame to fix the cover plates
- Required hardware

Extensions: Back panel + coupling profiles
- Back panel, sendzimir zinc plated steel 1.5 mm
- 4 internal corner parts
- Profiles to fix the functional units (mounting plate, DIN rail, busbar isolators…)
- Frame to fix the cover plates
- Coupling profiles and accessories
- Required hardware

Top & Bottom
3 different options:
- With cut outs for cable flanges
- With a wide opening to maximize the entry surface
- Plain with knock-outs for cable flanges

The kit includes 1 unit of the selected top and bottom, with all the required fixation hardware.
It's required to order 2 top & bottom per cabinet.

Plinth
- 100 mm height
- Stackable up to 3: 300 mm, without accessories
- Front, back and side covers removable
- Ease to fix to the cabinet included

Integrated cable compartment
Possible to add an integrated cable compartment in the 800mm wide cabinets
- Profiles and cover plates to build the integrated cable compartment

Interior fitting: Modular distribution panel system
- Pre-assembled quick mounting system to fix the isolators for the busbars, DIN-rails, mounting plates, covers, etc. See chapter for System pro E® energy Combi (page 45)

Plain or transparent doors
- 3 point locking system already mounted
- PUR gasket to guarantee perfect closing and the protection degree
- 130° opening angle
- Swing handle for 1 400 mm and higher doors
- Wide range of accessories

Plastic or metal flanges
- Wide choice of cable flanges
- Metal flanges for wide cable opening

System pro E® energy L
System overview

System pro E® energy L

Cabinet type	Cabinet: backpanel + side panels			Extension: Back panel + horizontal coupling		
Depth	250 mm			250 mm		
Width	400	600	800	400	600	800
Height 600	■	■	■	■	■	■
800	■	■	■	■	■	■
1 000	■	■	■	■	■	■
1 200	■	■	■	■	■	■
1 400	■	■	■	■	■	■
1 600	■	■	■	■	■	■
1 800	■	■	■	■	■	■
2 000	■	■	■	■	■	■

> Dimensions in mm

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System pro E® energy L
Technical specifications and product features

Technical specifications

Standards / requirements	IEC 61439 -1/-2/-3* and IEC62208
Protection Class	Class I, earthed
Pollution degree	2
Segregation	Form 1 and Form 2
Degree of protection	IP43
	Without door IP30
Mechanical impact Strength	IK 07- knock outs
	IK 08 - without door, transparent door
	IK 09 - plain door & side panels
Conditions of installation	Indoor installation
	Ambient air temperature max. +40 °C
	Ambient air temperature min. -5 °C
	Operating temperature max. +55 °C
	Storage temperature max. +55 °C
	Storage temperature min. -40 °C
Rated current (I_n)	800 A
Rated operationa voltage (U_e)	415 V
Rated insulation voltage (U_i)	1 000 V
Rated short-circuit current (I_{cw})	32 kA/1s
Rated current of busbar systems	800 A in IP43

Product features

	Housing and door	Color RAL 7035
	Rear panel & mounting profiles	Sendzimir zinc plated steel 1.5 mm
	Side, top and bottom panel	Epoxy-polyester coated sheet steel 1.25 mm
	Plain door	Epoxy-polyester coated sheet steel 1.25 mm
	Transparent door	Epoxy-polyester coated sheet steel 1.25 mm and safety glass 3 mm thick
	Cover plates	Epoxy-polyester coated sheet steel 1 mm
	Door opening angle: 130°	
	Doors with espagnolette closure, 3 points locking system	
	Doors for wall-mounted cabinets: with latch plate and 3 mm double bit pin	
	Doors for floor-standing cabinets: with swing handle and 3 mm double bit pin	
Assembly options	Prepared to be fitted with System Pro E® energy Combi modules and mounting plates	
Forms of delivery	Flat kits	

02

System pro E® energy L
Selection table for wall and floor version
System IP43, flatpack

Width = 400 mm

Height	No. Mod. DIN H= 150 mm	No. Mod. DIN H= 200 mm	Dimension Internal H×W×D (mm)	Dimension External H×W×D (mm)	Order Code Basic	Order Code Extention
600	4 row (48 Mod)	3 row (36 Mod)	600×329×193	649×384×250	Q843B406	Q843E406
800	5 row (60 Mod)	4 row (48 Mod)	800×329×193	849×384×250	Q843B408	Q843E408
1000	6 row (72 Mod)	5 row (60 Mod)	100×329×193	1049×384×250	Q843B410	Q843E410
1200	8 row (96 Mod)	6 row (72 Mod)	1200×329×193	1249×384×250	Q843B412	Q843E412
1400	9 row (108 Mod)	7 row (84 Mod)	1400×329×193	1449×384×250	Q843B414	Q843E414
1600	10 row (120 Mod)	8 row (96 Mod)	1600×329×193	1649×384×250	Q843B416	Q843E416
1800	12 row (144 Mod)	9 row (108 Mod)	1800×329×193	1849×384×250	Q843B418	Q843E418
2000	13 row (156 Mod)	10 row (120 Mod)	2000×329×193	2049×384×250	Q843B420	Q843E420

Width = 600 mm

Height	No. Mod. DIN H= 150 mm	No. Mod. DIN H= 200 mm	Dimension Internal H×W×D (mm)	Dimension External H×W×D (mm)	Order Code Basic	Order Code E×stention
600	4 row (96 Mod)	3 row (72 Mod)	600×545×193	649×600×250	Q843B606	Q843E606
800	5 row (120 Mod)	4 row (96 Mod)	800×545×193	849×600×250	Q843B608	Q843E608
1000	6 row (144 Mod)	5 row (120 Mod)	1000×545×193	1049×600×250	Q843B610	Q843E610
1200	8 row (192 Mod)	6 row (144 Mod)	1200×545×193	1249×600×250	Q843B612	Q843E612
1400	9 row (216 Mod)	7 row (168 Mod)	1400×545×193	1449×600×250	Q843B614	Q843E614
1600	10 row (240 Mod)	8 row (192 Mod)	1600×545×193	1649×600×250	Q843B616	Q843E616
1800	12 row (288 Mod)	9 row (216 Mod)	1800×545×193	1849×600×250	Q843B618	Q843E618
2000	13 row (312 Mod)	10 row (240 Mod)	2000×545×193	2049×600×250	Q843B620	Q843E620

Width = 800 mm

Height	No. Mod. DIN H= 150 mm	No. Mod. DIN H= 200 mm	Dimension Internal H×W×D (mm)	Dimension External H×W×D (mm)	Order Code Basic	Order Code E×stention
600	4 row (144 Mod)	3 row (108 Mod)	600×761×193	649×816×250	Q843B806	Q843E806
800	5 row (180 Mod)	4 row (144 Mod)	800×761×193	849×816×250	Q843B808	Q843E808
1000	6 row (216 Mod)	5 row (180 Mod)	1000×761×193	1049×816×250	Q843B810	Q843E810
1200	8 row (288 Mod)	6 row (216 Mod)	1200×761×193	1249×816×250	Q843B812	Q843E812
1400	9 row (324 Mod)	7 row (252 Mod)	1400×761×193	1449×816×250	Q843B814	Q843E814
1600	10 row (360 Mod)	8 row (288 Mod)	1600×761×193	1649×816×250	Q843B816	Q843E816
1800	12 row (432 Mod)	9 row (324 Mod)	1800×761×193	1849×816×250	Q843B818	Q843E818
2000	13 row (468 Mod)	10 row (360 Mod)	2000×761×193	2049×8160×250	Q843B820	Q843E820

Top/Bottom Flanges	Type of flanges	Top/Bottom with big openings	Type of covers for Big openings	Plinth	Metal door	Glas door	Internal cable compartment
Q843T411	Page 38 Flanges	Q843T421	Page 39 Flanges	Q855P401	Q855D406	Q855G406	
					Q855D408	Q855G408	
					Q855D410	Q855G410	
					Q855D412	Q855G412	
					Q855D414	Q855G414	
					Q855D416	Q855G416	
					Q855D418	Q855G418	
					Q855D420	Q855G420	

Top/Bottom Flanges	Type of flanges	Top/Bottom with big openings	Type of covers for Big openings	Plinth	Metal door	Glas door	Internal cable compartment
Q843T611	Page 38 Flanges	Q843T621	Page 39 Flanges	Q855P601	Q855D606	Q855G606	
					Q855D608	Q855G608	
					Q855D610	Q855G610	
					Q855D612	Q855G612	
					Q855D614	Q855G614	
					Q855D616	Q855G616	
					Q855D618	Q855G618	
					Q855D620	Q855G620	

Top/Bottom Flanges	Type of flanges	Top/Bottom with big openings	Type of covers for Big openings	Plinth	Metal door	Glas door	Internal cable compartment
Q843T811	Page 38 Flanges	Q843T821	Page 39 Flanges	Q855P801	Q855D806	Q855G806	Q830I206
					Q855D808	Q855G808	Q830I208
					Q855D810	Q855G810	Q830I210
					Q855D812	Q855G812	Q830I212
					Q855D814	Q855G814	Q830I214
					Q855D816	Q855G816	Q830I216
					Q855D818	Q855G818	Q830I218
					Q855D820	Q855G820	Q830I220

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System pro E® energy L
Order codes

Cabinets: Back panel + Side panels
- Back panel
- Side panels
- 4 corner parts

profiles to fix the functional units (mounting plates, DIN rail, busbar isolators...

Cabinets: Back panel + side panels

Width in mm		400		600		800
Height in mm	Type code	Order code	Type code	Order code	Type code	Order code
600	Q843B406	1SZE430800B0010	Q843B606	1SZE430800B0090	Q843B806	1SZE430800B0170
800	Q843B408	1SZE430800B0020	Q843B608	1SZE430800B0100	Q843B808	1SZE430800B0180
1000	Q843B410	1SZE430800B0030	Q843B610	1SZE430800B0110	Q843B810	1SZE430800B0190
1200	Q843B412	1SZE430800B0040	Q843B612	1SZE430800B0120	Q843B812	1SZE430800B0200
1400	Q843B414	1SZE430800B0050	Q843B614	1SZE430800B0130	Q843B814	1SZE430800B0210
1600	Q843B416	1SZE430800B0060	Q843B616	1SZE430800B0140	Q843B816	1SZE430800B0220
1800	Q843B418	1SZE430800B0070	Q843B618	1SZE430800B0150	Q843B818	1SZE430800B0230
2000	Q843B420	1SZE430800B0080	Q843B620	1SZE430800B0160	Q843B820	1SZE430800B0240

Extensions: Back panel + coupling profiles
- Back panel
- 4 internal corner parts
- Profiles to fix the functional units (mounting paltes, DIN rail, busbar isolators...)
- Coupling profiles and accessories

Extensions: Back panel + coupling

Width in mm		400		600		800
Height in mm	Type code	Order code	Type code	Order code	Type code	Order code
600	Q843E406	1SZE430801B0010	Q843E606	1SZE430801B0090	Q843E806	1SZE430801B0170
800	Q843E408	1SZE430801B0020	Q843E608	1SZE430801B0100	Q843E808	1SZE430801B0180
1000	Q843E410	1SZE430801B0030	Q843E610	1SZE430801B0110	Q843E810	1SZE430801B0190
1200	Q843E412	1SZE430801B0040	Q843E612	1SZE430801B0120	Q843E812	1SZE430801B0200
1400	Q843E414	1SZE430801B0050	Q843E614	1SZE430801B0130	Q843E814	1SZE430801B0210
1600	Q843E416	1SZE430801B0060	Q843E616	1SZE430801B0140	Q843E816	1SZE430801B0220
1800	Q843E418	1SZE430801B0070	Q843E618	1SZE430801B0150	Q843E818	1SZE430801B0230
2000	Q843E420	1SZE430801B0080	Q843E620	1SZE430801B0160	Q843E820	1SZE430801B0240

Top & Bottom
2 different options:
- Plain with knock-outs for cable flanges
- With a wide opening to maximize the entry surface

The kit includes 1 unit of the selected top and bottom, with all the required fixation hardware
It's required to order 2 top & bottom per cabinet

Top & Bottom

Cabinet width, in mm		400			600			800	
	Type code	Order code	Units	Type code	Order code	Units	Type code	Order code	Units
Plain with pre-knock outs	Q843T411	1SZE430802B0010	1	Q843T611	1SZE430802B0011	1	Q843T811	1SZE430802B0012	1
BIG Entry space	Q843T421	1SZE430802B0013	1	Q843T621	1SZE430802B0014	1	Q843T821	1SZE430802B0015	1

System pro E® energy L
Order codes

Integrated cable compartment
Possible to add an integrated cable compartment in the 800mm wide cabinets
- Profiles and cover plates to build the integrated cable compartment

Integrated cable compartment				
Width in mm			800	
Height in mm			Type code	Order code
600			Q830I206	1SZE990930B0010
800			Q830I208	1SZE990930B0020
1000			Q830I210	1SZE990930B0030
1200			Q830I212	1SZE990930B0040
1400			Q830I214	1SZE990930B0050
1600			Q830I216	1SZE990930B0060
1800			Q830I218	1SZE990930B0070
2000			Q830I220	1SZE990930B0080

Plinth
- 100 mm height
- Stackable up to 3: 300 mm, without accessories
- Front, back and side covers removable
- Harder to fix to the cabinet included

Plinth						
Cabinet width in mm	400		600		800	
	Type code	Order code	Type code	Order code	Type code	Order code
Plinth 100 mm height	Q855P401	1SZE990940B0010	Q855P601	1SZE990940B0020	Q855P801	1SZE990940B0030

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System pro E® energy L
Order codes

Plain or transparent doors
- 3 point locking system already mounted
- PUR gasket to guarantee perfect closing and the protection degree
- 135° opening angle
- PUR gasket
- Swing handle for 1 400 mm and higher doors
- Wide range of accessories
- 2 time hinged up to 1200 mm, 3 times from 1400 mm

Doors plain

Width in mm	400		600		800	
Cabinet height, in mm	Type code	Order code	Type code	Order code	Type code	Order code
600	Q855D406	1SZE990910B0010	Q855D606	1SZE990910B0090	Q855D806	1SZE990910B0170
800	Q855D408	1SZE990910B0020	Q855D608	1SZE990910B0100	Q855D808	1SZE990910B0180
1000	Q855D410	1SZE990910B0030	Q855D610	1SZE990910B0110	Q855D810	1SZE990910B0190
1200	Q855D412	1SZE990910B0040	Q855D612	1SZE990910B0120	Q855D812	1SZE990910B0200
1400	Q855D414	1SZE990910B0050	Q855D614	1SZE990910B0130	Q855D814	1SZE990910B0210
1600	Q855D416	1SZE990910B0060	Q855D616	1SZE990910B0140	Q855D816	1SZE990910B0220
1800	Q855D418	1SZE990910B0070	Q855D618	1SZE990910B0150	Q855D818	1SZE990910B0230
2000	Q855D420	1SZE990910B0080	Q855D620	1SZE990910B0160	Q855D820	1SZE990910B0240

Doors transparent

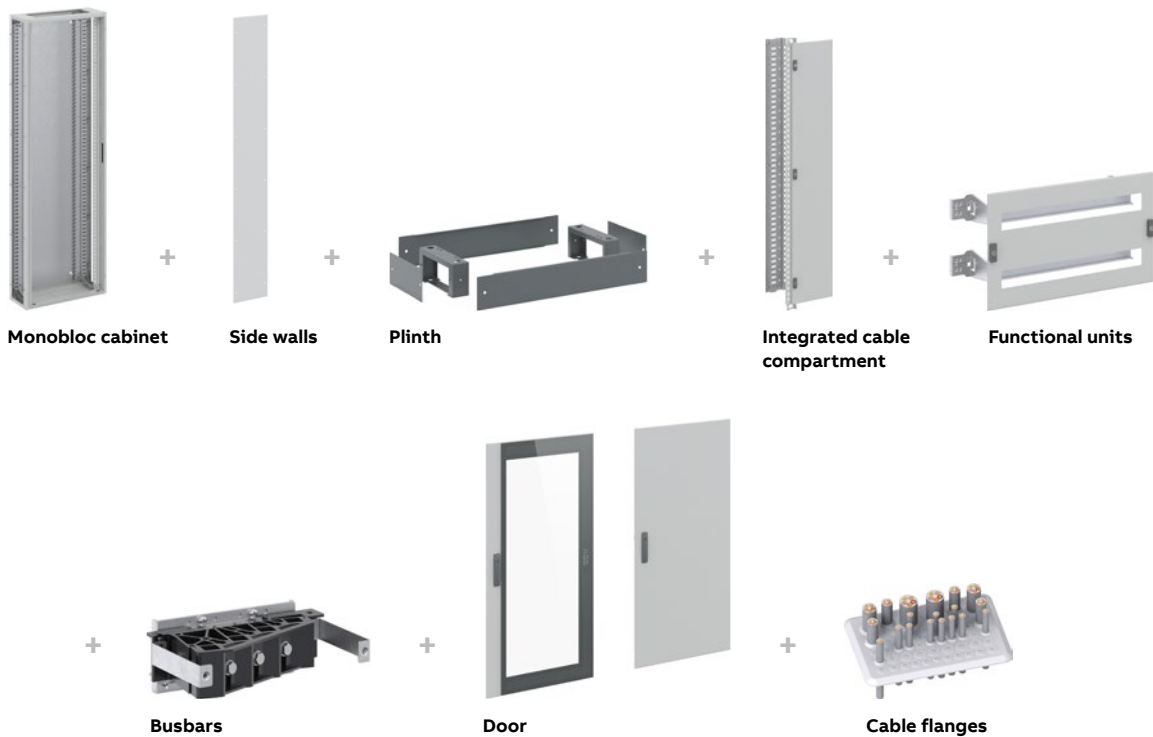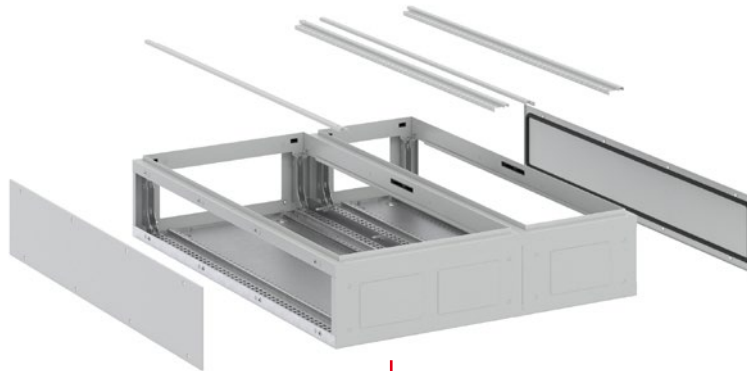| Width in mm	400		600		800	
Cabinet height, in mm	Type code	Order code	Type code	Order code	Type code	Order code
600	Q855G406	1SZE990920B0010	Q855G606	1SZE990920B0090	Q855G806	1SZE990920B0170
800	Q855G408	1SZE990920B0020	Q855G608	1SZE990920B0100	Q855G808	1SZE990920B0180
1000	Q855G410	1SZE990920B0030	Q855G610	1SZE990920B0110	Q855G810	1SZE990920B0190
1200	Q855G412	1SZE990920B0040	Q855G612	1SZE990920B0120	Q855G812	1SZE990920B0200
1400	Q855G414	1SZE990920B0050	Q855G614	1SZE990920B0130	Q855G814	1SZE990920B0210
1600	Q855G416	1SZE990920B0060	Q855G616	1SZE990920B0140	Q855G816	1SZE990920B0220
1800	Q855G418	1SZE990920B0070	Q855G618	1SZE990920B0150	Q855G818	1SZE990920B0230
2000	Q855G420	1SZE990920B0080	Q855G620	1SZE990920B0160	Q855G820	1SZE990920B0240

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Notes

System pro E® energy M

System pro E® energy M

System pro E® energy M
System overview

Monobloc cabinet + **Side walls** + **Plinth** + **Integrated cable compartment** + **Functional units**

Busbars + **Door** + **Cable flanges**

System pro E® energy M
System overview

Cabinets: Monoblock
- open sides
- Top: openings for flanges (400 mm) or wide opening (600 & 800 mm)
- Bottom: plain with pre-knock outs for flanges
- Included the frame for the cover plates
- Cabinet can be rotated 180°

Side panels
- Delivered in 2 units.
- Only required 1 kit per panel (combination of several cabinets coupled horizontaly)

Integrated cable compartment
Possible to add an integrated cable compartment in the 800mm wide cabinets
- Profiles and coverplates to build the integrated cable compartment.

Interior fitting: functional units and busbars
Kits to fix the isolators for the busbars, the DIN rails, mounting plates...and the covers
See the chapter for System pro E® energy Combi

Plinth
- 100 mm height
- Stackable up to 3: 300 mm, without accessories
- Front, back and side covers removable
- Harder to fix to the cabinet included

Door
Plain or transparent
- Same doors for IP43 and IP55 cabinets
- 3 points locking system already mounted and PUR gasket
- Mount without tools
- 135° opening angle
- Swing handle for 1 400 mm and higher doors
- Wide range of insert as accessories

Flanges
Plastic or metal. Same for IP43 and IP55
- Several cable flanges.
- Metal flanges for wide cabel opening

03

System pro E® energy M
System overview

System pro E® energy M

Cabinet type		Cabinet: Monobloc enclosure with open sides		
Depth		250mm		
Width		400	600	800
	600	■	■	■
	800	■	■	■
	1 000	■	■	■
Height	1 200	■	■	■
	1 400	■	■	■
	1 600	■	■	■
	1 800	■	■	■
	2 000	■	■	■

> Dimensions in mm

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System pro E® energy M
Technical specifications and product features

Technical specifications		
Standards / requirements	IEC 61439 -1/-2/-3* and IEC62208	
Protection Class	Class I, earthed	
Pollution degree	2	
Segregation	Form 1 and Form 2	
Degree of protection	IP55	
	Without door IP30	
Mechanical impact Strength	IK 07 - knock outs	
	IK 08 - without door, transparent door	
	IK 09 - plain door, side panels	
Conditions of installation	Indoor installation	
	Ambient air temperature max. +40 °C	
	Ambient air temperature min. -5 °C	
	Operating temperature max. +55 °C	
	Storage temperature max. +55 °C	
	Storage temperature min. -40 °C	
Rated current (I_n)	800 A	
Rated operationa voltage (U_e)	415 V	
Rated insulation voltage (U_i)	1 000 V	
Rated short-circuit current (I_{cw})	32 kA/1s	
Rated current of busbar systems	800 A in IP43	

Product features		
	Housing and door	Color RAL 7035
	Cabinet	Epoxy-polyester coated sheet steel 1.25 mm
	Plain door	Epoxy-polyester coated sheet steel 1.25 mm
	Transparent door	Epoxy-polyester coated sheet steel 1.25 mm and safety glass 3 mm thick
	Cover plates	Epoxy-polyester coated sheet steel 1 mm
	Door opening angle: 130°	
	Doors with espagnolette closure, 3 points locking system	
	Doors for wall-mounting cabinets: with latch plate and 3 mm double bit pin	
	Doors for floor-standing cabinets: with swing handle and 3 mm double bit pin	
Assembly options	Prepared to be fitted with System Pro E® energy Combi modules and mounting plates	
Forms of delivery	Monobloc enclosure with open sides	

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System pro E® energy M
Selection table for wall and floor version
System IP55, Monoblock
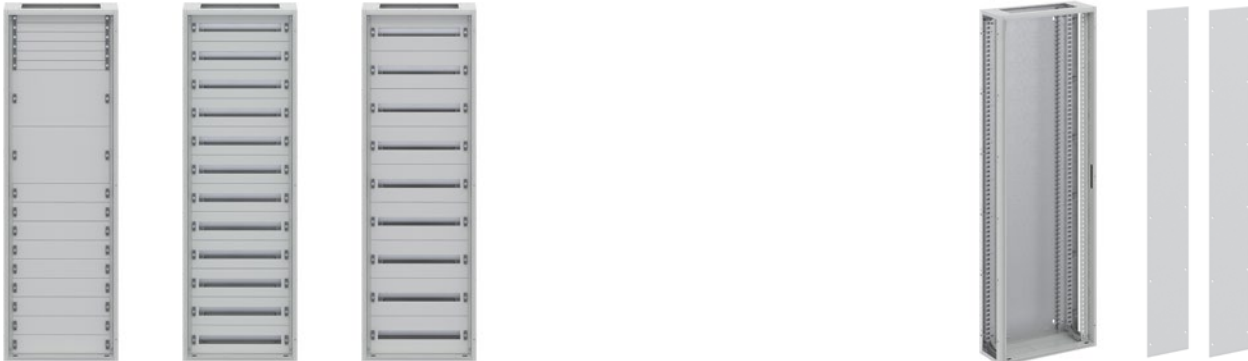
Width = 390 mm

Height	No. Mod. DIN	No. Mod. DIN	Dimension Internal	Dimension External (without plinth)	Order Code	Order Code
	H= 150 mm	H= 200 mm	H×W×D (mm)	H×W×D (mm)	Basic	Side walls
600	4 row (48 Mod)	3 row (36 Mod)	600×329×193	649×396×250	Q855B406	Q855S006
800	5 row (60 Mod)	4 row (48 Mod)	800×329×193	849×396×250	Q855B408	Q855S008
1000	6 row (72 Mod)	5 row (60 Mod)	100×329×193	1049×396×250	Q855B410	Q855S010
1200	8 row (96 Mod)	6 row (72 Mod)	1200×329×193	1249×396×250	Q855B412	Q855S012
1400	9 row (108 Mod)	7 row (84 Mod)	1400×329×193	1449×396×250	Q855B414	Q855S014
1600	10 row (120 Mod)	8 row (96 Mod)	1600×329×193	1649×396×250	Q855B416	Q855S016
1800	12 row (144 Mod)	9 row (108 Mod)	1800×329×193	1849×396×250	Q855B418	Q855S018
2000	13 row (156 Mod)	10 row (120 Mod)	2000×329×193	2049×396×250	Q855B420	Q855S020

Width = 600 mm

Height	No. Mod. DIN	No. Mod. DIN	Dimension Internal	Dimension External (without plinth)	Order Code	Order Code
	H= 150 mm	H= 200 mm	H×W×D (mm)	H×W×D (mm)	Basic	Side walls
600	4 row (96 Mod)	3 row (72 Mod)	600×545×193	649×612×250	Q855B606	Q855S006
800	5 row (120 Mod)	4 row (96 Mod)	800×545×193	849×612×250	Q855B608	Q855S008
1000	6 row (144 Mod)	5 row (120 Mod)	1000×545×193	1049×612×250	Q855B610	Q855S010
1200	8 row (192 Mod)	6 row (144 Mod)	1200×545×193	1249×612×250	Q855B612	Q855S012
1400	9 row (216 Mod)	7 row (168 Mod)	1400×545×193	1449×612×250	Q855B614	Q855S014
1600	10 row (240 Mod)	8 row (192 Mod)	1600×545×193	1649×612×250	Q855B616	Q855S016
1800	12 row (288 Mod)	9 row (216 Mod)	1800×545×193	1849×612×250	Q855B618	Q855S018
2000	13 row (312 Mod)	10 row (240 Mod)	2000×545×193	2049×612×250	Q855B620	Q855S020

Width = 800 mm

Height	No. Mod. DIN	No. Mod. DIN	Dimension Internal	Dimension External (without plinth)	Order Code	Order Code
	H= 150 mm	H= 200 mm	H×W×D (mm)	H×W×D (mm)	Basic	Side walls
600	4 row (144 Mod)	3 row (108 Mod)	600×761×193	649×828×250	Q855B806	Q855S006
800	5 row (180 Mod)	4 row (144 Mod)	800×761×193	849×828×250	Q855B808	Q855S008
1000	6 row (216 Mod)	5 row (180 Mod)	1000×761×193	1049×828×250	Q855B810	Q855S010
1200	8 row (288 Mod)	6 row (216 Mod)	1200×761×193	1249×828×250	Q855B812	Q855S012
1400	9 row (324 Mod)	7 row (252 Mod)	1400×761×193	1449×828×250	Q855B814	Q855S014
1600	10 row (360 Mod)	8 row (288 Mod)	1600×761×193	1649×828×250	Q855B816	Q855S016
1800	12 row (432 Mod)	9 row (324 Mod)	1800×761×193	1849×828×250	Q855B818	Q855S018
2000	13 row (468 Mod)	10 row (360 Mod)	2000×761×193	2049×828×250	Q855D820	Q855S020

Coupling	Type of flanges	Type of flanges	Plinth	Metal door	Glas door	Internal cable compartment
Q855E00W	Page 38 Flanges	Page 39 Flanges	Q855P401	Q855D406	Q855G406	
				Q855D408	Q855G408	
				Q855D410	Q855G410	
				Q855D412	Q855G412	
				Q855D414	Q855G414	
Q855E00F				Q855D416	Q855G416	
				Q855D418	Q855G418	
				Q855D420	Q855G420	

Coupling	Type of flanges	Type of flanges	Plinth	Metal door	Glas door	Internal cable compartment
Q855E00W	Page 38 Flanges	Page 39 Flanges	Q855P601	Q855D606	Q855G606	
				Q855D608	Q855G608	
				Q855D610	Q855G610	
				Q855D612	Q855G612	
				Q855D614	Q855G614	
Q855E00F				Q855D616	Q855G616	
				Q855D618	Q855G618	
				Q855D620	Q855G620	

Coupling	Type of flanges	Type of flanges	Plinth	Metal door	Glas door	Internal cable compartment
Q855E00W	Page 38 Flanges	Page 39 Flanges	Q855P801	Q855D806	Q855G806	Q830I206
				Q855D808	Q855G808	Q830I208
				Q855D810	Q855G810	Q830I210
				Q855D812	Q855G812	Q830I212
				Q855D814	Q855G814	Q830I214
Q855E00F				Q855D816	Q855G816	Q830I216
				Q855D818	Q855G818	Q830I218
				Q855D820	Q855G820	Q830I220

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System pro E® energy M
Order codes

Cabinets: Monobloc enclosures with open sides
- Top: Open / Bottom: closed, pre-konck outs
- Included profiles to fix the functional units (mounting plate, DIN rail, busbar isolators...)
- Included profile to fix the cover plates
- The cabinet can be rotated 180°

Cabinets: Monobloc enclosures with open sides

Width in mm	400		600		800	
Height in mm	Type code	Order code	Type code	Order code	Type code	Order code
600	Q855B406	1SZE550800B0010	Q855B606	1SZE550800B0090	Q855B806	1SZE550800B0170
800	Q855B408	1SZE550800B0020	Q855B608	1SZE550800B0100	Q855B808	1SZE550800B0180
1000	Q855B410	1SZE550800B0030	Q855B610	1SZE550800B0110	Q855B810	1SZE550800B0190
1200	Q855B412	1SZE550800B0040	Q855B612	1SZE550800B0120	Q855B812	1SZE550800B0200
1400	Q855B414	1SZE550800B0050	Q855B614	1SZE550800B0130	Q855B814	1SZE550800B0210
1600	Q855B416	1SZE550800B0060	Q855B616	1SZE550800B0140	Q855B816	1SZE550800B0220
1800	Q855B418	1SZE550800B0070	Q855B618	1SZE550800B0150	Q855B818	1SZE550800B0230
2000	Q855B420	1SZE550800B0080	Q855B620	1SZE550800B0160	Q855B820	1SZE550800B0240

Side walls System pro E® energy M
- Set of 2 side wall
- Ready to be mounted
- Screws included

Side walls System pro E® energy M

Height in mm	Type code	Order code
600	Q855S006	1SZE550801B0010
800	Q855S008	1SZE550801B0020
1000	Q855S010	1SZE550801B0030
1200	Q855S012	1SZE550801B0040
1400	Q855S014	1SZE550801B0050
1600	Q855S016	1SZE550801B0060
1800	Q855S018	1SZE550801B0070
2000	Q855S020	1SZE550801B0080

Connection set for Side-by-Side connection IP55
- Brackets
- Gasket

Connection set for Side-by-Side connection IP55

Height in mm	Type code	Order code
600 - 1200 mm	Q855E00W	1SZE550800B0310
1400 - 2000 mm	Q855E00F	1SZE550800B0320

System pro E® energy M
Order codes

Integrated cable compartment
Possible to add an integrated cable compartment in the 800mm wide cabinets
- Profiles and cover plates to build the integrated cable compartment

Integrated cable compartment		
Width in mm		800
Height in mm	Type code	Order code
600	Q830I206	1SZE990930B0010
800	Q830I208	1SZE990930B0020
1000	Q830I210	1SZE990930B0030
1200	Q830I212	1SZE990930B0040
1400	Q830I214	1SZE990930B0050
1600	Q830I216	1SZE990930B0060
1800	Q830I218	1SZE990930B0070
2000	Q830I220	1SZE990930B0080

Plinth
- 100 mm height
- Stackable up to 3: 300 mm, without accessories
- Front, back and side covers removable
- Hardware to fix to the cabinet included

Plinth						
Cabinet width in mm	400		600		800	
	Type code	Order code	Type code	Order code	Type code	Order code
Plinth 100 mm height	Q855P401	1SZE990940B0010	Q855P601	1SZE990940B0020	Q553P801	1SZE990940B0030

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System pro E® energy M
Order codes

Door
- Plain and transparent
- Same doors for IP43 and IP55 cabinets
- 3 points locking system for all the range
- Mount without tools
- 130° opening angle
- PUR gasket
- Swing handle for 1 400 mm and higher doors
- Wide range of insert as accessories

Doors plain

Width in mm	400		600		800	
Cabinet height, in mm	Type code	Order code	Type code	Order code	Type code	Order code
600	Q855D406	1SZE990910B0010	Q855D606	1SZE990910B0090	Q855D806	1SZE990910B0170
800	Q855D408	1SZE990910B0020	Q855D608	1SZE990910B0100	Q855D808	1SZE990910B0180
1000	Q855D410	1SZE990910B0030	Q855D610	1SZE990910B0110	Q855D810	1SZE990910B0190
1200	Q855D412	1SZE990910B0040	Q855D612	1SZE990910B0120	Q855D812	1SZE990910B0200
1400	Q855D414	1SZE990910B0050	Q855D614	1SZE990910B0130	Q855D814	1SZE990910B0210
1600	Q855D416	1SZE990910B0060	Q855D616	1SZE990910B0140	Q855D816	1SZE990910B0220
1800	Q855D418	1SZE990910B0070	Q855D618	1SZE990910B0150	Q855D818	1SZE990910B0230
2000	Q855D420	1SZE990910B0080	Q855D620	1SZE990910B0160	Q855D820	1SZE990910B0240

Doors transparent

Width in mm	400		600		800	
Cabinet height, in mm	Type code	Order code	Type code	Order code	Type code	Order code
600	Q855G406	1SZE990920B0010	Q855G606	1SZE990920B0090	Q855G806	1SZE990920B0170
800	Q855G408	1SZE990920B0020	Q855G608	1SZE990920B0100	Q855G808	1SZE990920B0180
1000	Q855G410	1SZE990920B0030	Q855G610	1SZE990920B0110	Q855G810	1SZE990920B0190
1200	Q855G412	1SZE990920B0040	Q855G612	1SZE990920B0120	Q855G812	1SZE990920B0200
1400	Q855G414	1SZE990920B0050	Q855G614	1SZE990920B0130	Q855G814	1SZE990920B0210
1600	Q855G416	1SZE990920B0060	Q855G616	1SZE990920B0140	Q855G816	1SZE990920B0220
1800	Q855G418	1SZE990920B0070	Q855G618	1SZE990920B0150	Q855G818	1SZE990920B0230
2000	Q855G420	1SZE990920B0080	Q855G620	1SZE990920B0160	Q855G820	1SZE990920B0240

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Notes

04

System pro E® energy L/M – Accessories

System pro E® energy L/M – Accessories

System pro E® energy L/M
Flanges

	Article	Order details Type	Order code	Price	Pcs.
TZ101	**Membrane flange** Material: plastic For cable sections 2 x 6 - 32.5 mm, 2 x 6 - 25 mm, 4 x 6 - 19 mm, 10 x 6 - 15 mm, 2 x 6 - 12 mm, 31 x 6 - 11 mm, 1 x 6 - 7 mm	TZ101 TZ101P10 TZ101P100	2CPX010450R9999 2CPX010451R9999 2CPX010826R9999		1 10 100
TZ102	**Flanges for M screw fittings** Material: plastic 1 x M 63 / M 50, 2 x M 32 / M 20, 5 x M 25, 5 x M 20	TZ102 TZ102P10	2CPX010452R9999 2CPX010453R9999		1 10
TZ103	4 x M20 / M25, 18 x M20	TZ103 TZ103P10	2CPX010454R9999 2CPX010455R9999		1 10
TZ110	**Flanges with cable sleeves** Material: plastic **Flanges with 8 cable sleeves** For cable sections 8 x 13 - 34 mm	TZ110 TZ110P10	2CPX010850R9999 2CPX010934R9999		1 10
TZ111	**Flanges with 11 cable sleeves** For cable sections 1 x 14 - 54 mm, 3 x 13 - 34 mm, 3 x 13 - 26.5 mm, 4 x 5 - 21 mm	TZ111 TZ111P10	2CPX010851R9999 2CPX010935R9999		1 10
TZ112	**Flange with 1 cable sleeve** For cable sections 1 x 14 - 68 mm	TZ112	2CPX010852R9999		1
TZ104	**Flange with 2 cable sleeves** For cable sections 2 x 14 - 68 mm	TZ104 TZ104P10	2CPX010456R9999 2CPX010932R9999		1 10
TZ105	**Flange with 3 cable sleeves** For cable sections 3 x 14 - 54 mm	TZ105 TZ105P10	2CPX010457R9999 2CPX010933R9999		1 10
TZ107	**Closing flanges** Material: plastic	TZ107 TZ107P10	2CPX010460R9999 2CPX010461R9999		1 10
TZ106	Material: sheet steel	TZ106 TZ106P10	2CPX010458R9999 2CPX010459R9999		1 10

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System pro E® energy L/M
Flanges

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Flange for wide cable entry fitting flanges (type TZ), closed with pre-punch-out

Article		Order details		Price	Pcs.
		Type code	Order code		
Flange for wide cable entry					
Cabinet width:					
400 mm		Q855F421	1SZE990900B0011		1
600 mm		Q855F621	1SZE990900B0021		1
800 mm		Q855F821	1SZE990900B0031		1

Q855F421

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Plain flange for wide cable entry

Article		Order details		Price	Pcs.
		Type code	Order code		
Flange for wide cable entry					
Cabinet width:					
400 mm		Q855F422	1SZE990900B0012		1
600 mm		Q855F622	1SZE990900B0022		1
800 mm		Q855F822	1SZE990900B0032		1

Q855F422

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Plain flange for wide cable entry with M20 pre-punch-outs

Article		Order details		Price	Pcs.
		Type code	Order code		
Flange for wide cable entry					
Cabinet width:					
400 mm		Q855F423	1SZE990900B0013		1
600 mm		Q855F623	1SZE990900B0023		1
800 mm		Q855F823	1SZE990900B0033		1

Q855F423

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Plain flange for wide cable entry with M40 pre-punch-outs

Article		Order details		Price	Pcs.
		Type code	Order code		
Flange for wide cable entry					
Cabinet width:					
400 mm		Q855F424	1SZE990900B0014		1
600 mm		Q855F624	1SZE990900B0024		1
800 mm		Q855F824	1SZE990900B0034		1

Q855F424

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System pro E® energy L/M
Accessories

			Order details			
		Article	Type code	Order code	Price	Pcs.
ESAC1001	ESAC1002	**Swivel handle and operating pins**				
		Swivel handle with double bit 3 mm*	ESAC1001	2CPX010900R9999		1
		Double bit 3 mm*	ESAC1002	2CPX010901R9999		1
		Double bit 5 mm	ESAC1003	2CPX010902R9999		1
		Triangular 7 mm	ESAC1004	2CPX010903R9999		1
		Triangular 8 mm	ESAC1005	2CPX010904R9999		1
ESAC1003	ESAC1004	Square 6 mm	ESAC1006	2CPX010905R9999		1
		Square 7 mm	ESAC1007	2CPX010906R9999		1
		Square 8 mm	ESAC1008	2CPX010907R9999		1
		EK333 and key	ESAC1009	2CPX010908R9999		1
ESAC1005	ESAC1006	FIST type insert (FIAT)	ESAC1010	2CPX010909R9999		1
		FIAT key	ESAC1013	2CPX010912R9999		1
		Ronis 455 and key	ESAC1011	2CPX010910R9999		1
		Ronis 405 and key	ESAC1012	2CPX010911R9999		1
ESAC1007	ESAC1008					
ESAC1009	ESAC1010					
ESAC1011	ESAC1013					

TZ517	TZ518	**Latch plates and operating pins**				
		For operating pin 3 mm (standard)* and 5 mm	TZ517	2CPX010926R9999		1
		For triangular and square operating pin	TZ518	2CPX010927R9999		1
		Double bit 3 mm*	ZH130	2CPX060490R9999		1
		Double bit 5 mm	ZH131	2CPX060491R9999		1
ZH130	ZH132	Triangular 7 mm	ZH132	2CPX060492R9999		1
		Triangular 8 mm	ZH133	2CPX060493R9999		1
		Square 6 mm	ZH134	2CPX060494R9999		1
		Square 7 mm	ZH135	2CPX060495R9999		1
ZH134	ZH137	Square 8 mm	ZH136	2CPX060496R9999		1
		Daimler-Benz	ZH137	2CPX060497R9999		1

* Accessory included in the scope of delivery

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System pro E® energy L/M
Lock replacement parts

ZH91

ZH160   **ZH157**

ZH162   **ZH165**

Article	Order details			
	Type code	**Order code**	**Price**	**Pcs.**
Universal key Double bit 3 mm/5 mm Triangular 8 mm, square 6 mm/8 mm	ZH91	2CPX066091R9999		1
Double bit 3 mm*	ZH160	2CPX060660R9999		1
Double bit 5 mm	ZH161	2CPX060661R9999		1
Triangular 7 mm	ZH157	2CPX060657R9999		1
Triangular 8 mm	ZH158	2CPX060658R9999		1
Square 6 mm	ZH162	2CPX060662R9999		1
Square 7 mm	ZH163	2CPX060663R9999		1
Square 8 mm	ZH164	2CPX060664R9999		1
Daimler-Benz	ZH165	2CPX060665R9999		1
Espagnolette closure*				
Closure for door height 400 mm	ESAC2004	2CPX010913R9999		1
Espagnolette closure height 600 mm	ESAC2006	2CPX010914R9999		1
Espagnolette closure height 800 mm	ESAC2008	2CPX010915R9999		1
Espagnolette closure height 1000 mm	ESAC2010	2CPX010916R9999		1
Espagnolette closure height 1200 mm	ESAC2012	2CPX010917R9999		1
Espagnolette closure height 1400 mm	ESAC2014	2CPX010918R9999		1
Espagnolette closure height 1600 mm	ESAC2016	2CPX010919R9999		1
Espagnolette closure height 1800 mm	ESAC2018	2CPX010920R9999		1
Espagnolette closure height 2000 mm	ESAC2020	2CPX010921R9999		1
Espagnolette guide*	TZ511	2CPX010495R9999		1
Shoe* For espagnolette closure	TZ501	2CPX010485R9999		1

ESAC2004

ESAC2008

TZ511

TZ501

*Accessory included in the scope of delivery

System pro E® energy L/M
General accessories

	Article	Order details			
		Type code	Order code	Price	Pcs.
Q800R00P2	**Mounting brackets package 2**	Q800R00P2	1SZE990940B0130		2
ESAC3003P4	**Transport lugs 4 pcs**	ESAC3003P4	2CPX078412R9999		4
QAW007000	**Door earthing set** 6 mm² with 2x M6	QAW007000	1SZE990940B0120		1
QAW007001	**Cover earthing set** Connection between interior fitting and structure 6 mm² with 2x M5	QAW007001	1SZE990940B0140		1
ZA16	**Spray paint can** Colour RAL 7035, 150 ml	ZA16	2CPX038235R9999		1
ZA116	**Touch-up applicator** Colour RAL 7035, 12 ml	ZA116	2CPX039042R9999		1
ZA6	**Document holder DIN A4** Self-adhesive with transparent sleeve and reinforced back	ZA6	2CPX038227R9999		1
		ZA6P10	2CPX062380R9999		10
	Self-adhesive with transparent sleeve	ZA61P10	2CPX062375R9999		10
ZA5	**Document holder DIN A4** Self-adhesive	ZA13	2CPX038233R9999		1
		ZA13P10	2CPX062381R9999		10
	Document holder DIN A5 Self-adhesive	ZA5	2CPX038228R9999		1
		ZA5P10	2CPX062382R9999		10
ZA123	**Document holder support plate** For document holder ZA13, to screw on to the door strengthening profiles	ZA123	2CPX038471R9999		1
	For document holder ZA5, to screw on to the door strengthening profiles	ZA125	2CPX038472R9999		1

*Accessory included in the scope of delivery

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System pro E® energy L/M
General accessories

	Article	Order details			
		Type code	Order code	Price	Pcs.
 TZ615P4	**Cabinet Light (LED with movement detector); 230 V–24 V**	TZ650	2CPX010972R9999		1
 TZ617P10	**Closingplug**	TZ617P10	2CPX010512R9999		10
      ZL8	**Reinforcement coupled enclosures**				
	Cabinet width:				
	Reinf. c. enc. 600+400	Q800R6400	1SZE990940B0040		1
	Reinf. c. enc. 600+600/400+800	Q800R6600	1SZE990940B0050		1
	Reinf. c. enc. 600+400+600	Q800R6460	1SZE990940B0060		1
	Reinf. c. enc. 600+600+600/800+400+600	Q800R6660	1SZE990940B0070		1
	Reinf. c. enc. 800+600	Q800R8600	1SZE990940B0090		1
	Reinf. c. enc. 800+800	Q800R8800	1SZE990940B0100		1
	Reinf. c. enc. 800+400+800/600+600+800	Q800R8480	1SZE990940B0110		1

*Accessory included in the scope of delivery

	Article	Order details			
		Type code	Order code	Price	Pcs.
  TZ313	**Horizontal support for fixation of cables**				
	Support horizontal fixation cables W400	QR4VBWS00	1SZE980120B0600		1
	Support horizontal fixation cables W600	QR6VBWS00	1SZE980120B0610		1
	Support horizontal fixation cables W800	QR8VBWS00	1SZE980120B0620		1

04

System pro E® energy Combi

System pro E® energy Combi

System pro E® energy Combi
Distribution panel system

—

Simple in planning
Quick in assembly
Safe in application

System pro E® energy Combi
Distribution panel system

The highly sophisticated quick mounting system from ABB makes the completion of modular cabinets with distribution panels an effortless process. Simple, quick and safe – these are the three attributes of this system that speak for themselves.

05

System pro E® energy facilitates internal configuration with a modular system of wall-mounting and floor-standing cabinets for the modular System pro E® combi distribution panel system.

The wide range of the System pro E® combi offers the right solution for every application. One internal configuration System for all cabinets. All of the individual parts required for assembling are packed separately and supplied in the form of a set.

The benefits: These sets allow you to take a flexible approach towards stock keeping, and avoid a time-consuming search for system parts such as brackets, screws or fastening elements. The instructions supplied with the system make assembly a child's play. Quick and clear planning and calculation become perfect with planning software "e-Configure".
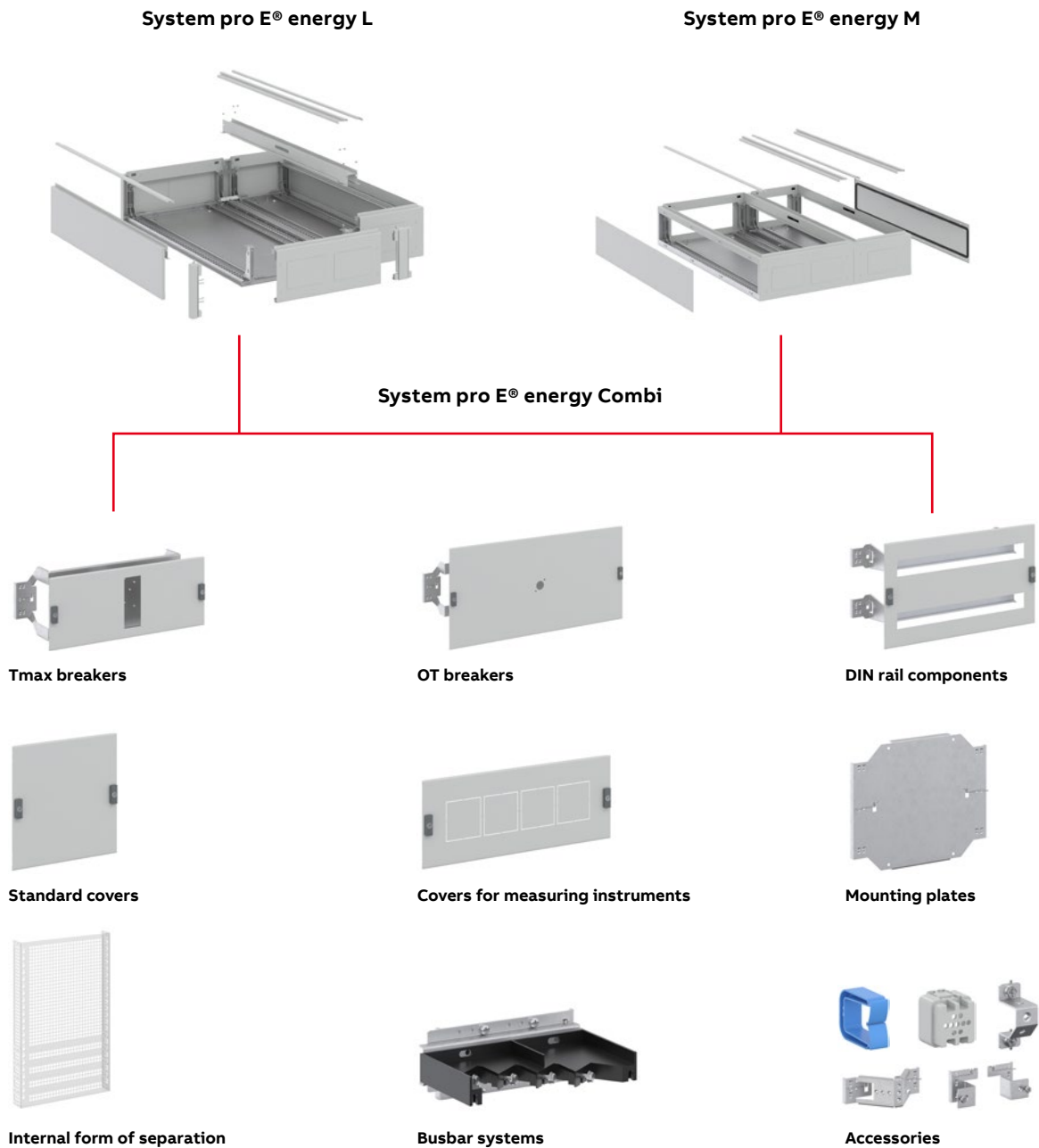
—
Technical specification

Standard / regulations	IEC61439 -2/-3
Protection Class	I, earted
Degree of protection	IP2XC

—
Electrical characteristics

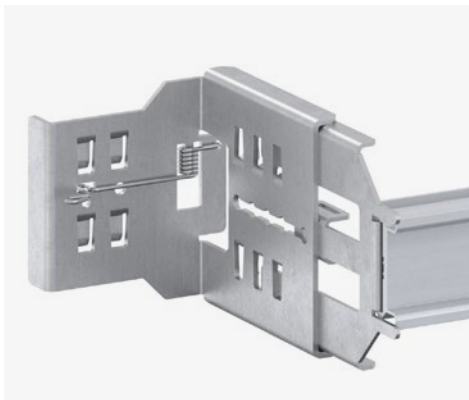|	
Rated impulse withstand voltage (U_{imp})	6kV
Overvoltage catagory	III
Pollution degree	3
Rated current (I_n)	up to 800 A
Rated peak withstand current (I_{pk})	up to 67 kA
Rated short-time withstand currect (I_{cw}) 1.0 sec	up to 32 kA
Rated frequency (f)	50 - 60 Hz
Rated insulation voltage (U)	1000 V
Rated operation voltage	415 V

System pro E® energy Combi
System overview

System pro E® energy L

System pro E® energy M

System pro E® energy Combi

Tmax breakers

OT breakers

DIN rail components

Standard covers

Covers for measuring instruments

Mounting plates

Internal form of separation

Busbar systems

Accessories

(The Right Module for every type of application)

System pro E® energy Combi
Product benefits

—

One internal configuration system for all cabinets

All internal configuration and the busbar system for both systems (IP43 and IP55). The internal configuration up to 800 A.

—

Easy assembly / Spring mounting

- Assembly can be done by a single person
- Pre-assembled captive screws
- 1/4 turn screws for cover plates
- Click-in supports for functional units and busbar holders
- No tools needed
- Frame to remove all cover plates at once

—

Depth adjustable DIN-rail

DIN-rail can be adjusted in five depths:
- RCD, SPD, MCD S200
- MCB S750/S800
- XT1, XT3, ATS125
- Terminal
- ATS-compact

—

Flexible in assembly, ease to combine

With its new mounting concept System pro E® combi provides more flexibility and access for installation and wiring. Placed horizontally on two trestles, makes the assembly and wiring very comfortable.

05
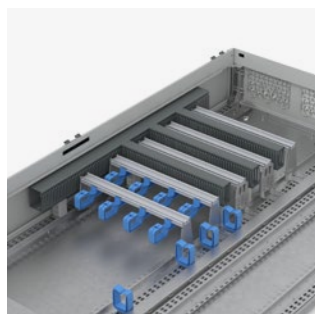
System pro E® energy Combi
Product benefits

Easy cover handeling

Time-saving fixation and adjustment as well as the simple closure system with 1/4 turn quick-lock provides easy handling of the covers and standard earth connection. When using devices in the covers a safe earth connection is guaranteed through 6 mm² cable with ring shoes on both sides. The 90° opening angle of the hinge set ensures optimal accessibility.
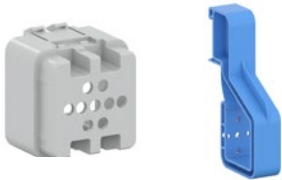
Cabeling / wiring solution

The support for different dimensions of wiring ducts have the same level for horizontal and vertical usage.
An additional profile for stabilization of wiring duct and for mounting wire holders is available.

KITS available for all XT-breakers

Modules for moulded case circuit breaker Tmax (XT1 - XT6), 3 and 4 pole versions, in horizontal and vertical position.
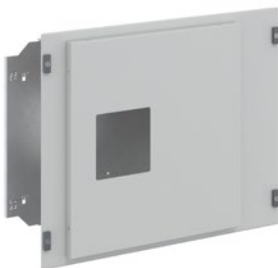
KITS for ATS, TruOne

Modules for automatic transfer switch (ATS), in vertical position up to 800 A.

Optimal accessibility and ease of installation

The removable frame as standard gives the possibility to remove all covers in one handling and provides quick access.

Form of internal seperation (up to 2b)

For the busbar sytem behind the device area is a horizontal transparent partition available. To separate the busbar system in external cable container it is possible to use a vertical separation.

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System pro E® energy Combi
Modules for moulded case circuit breaker Tmax, horizontal

QB3H62000

QB4H82000

Module for:
- Tmax breaker horizontal 3-/4-pole
- Unequipped set for ABB Tmax as an incoming or outgoing breaker

Content:
- Mounting plate of sheet steel with cut-outs
  (for fixed version with level operation with front Terminals)
- Support to fix to the rear panel profiles
- Cover plate with cut-outs (3-/4- Pole) breaker
- Cover plate with 1/4 turn quick-lock

Width mm	Type of device					Order details			
	Type code	I_n max A	Numbers of breakers	Numbers of poles	Height mm	Type code	Order code	Price	Pcs.
600	Tmax XT1	160	1	3/4	200	QB1H62000	1SZE980040B0330		1
	Tmax XT2	160	1	3/4	200	QB2H62000	1SZE980040B0340		1
	Tmax XT3	250	1	3/4	200	QB3H62000	1SZE980040B0350		1
	Tmax XT4	250	1	3/4	200	QB4H62000	1SZE980040B0360		1
	Tmax XT5	630	1	3/4	300	QB5H63000	1SZE980040B0370		1
	Tmax XT6	800	1	3/4	400	QB6H64000	1SZE980040B0380		1
	Tmax T5	630	1	3/4	300	QB5H630TM	1SZE980040B0390		1
	Tmax T6	800	1	3/4	400	QB6H640TM	1SZE980040B0400		1
800	Tmax XT1	160	1	3/4	200	QB1H82000	1SZE980040B0410		1
	Tmax XT2	160	1	3/4	200	QB2H82000	1SZE980040B0420		1
	Tmax XT3	250	1	3/4	200	QB3H82000	1SZE980040B0430		1
	Tmax XT4	250	1	3/4	200	QB4H82000	1SZE980040B0440		1
	Tmax XT5	630	1	3/4	300	QB5H83000	1SZE980040B0450		1
	Tmax XT6	800	1	3/4	400	QB6H84000	1SZE980040B0460		1
	Tmax T5	630	1	3/4	300	QB5H830TM	1SZE980040B0470		1
	Tmax T6	800	1	3/4	400	QB6H840TM	1SZE980040B0480		1

For 3 pole breakers please order accessory flange code AD3305 XT1 3P flange mounted on plate 1STQ009216A0000, AD3306 XT2 3P flange mounted on plate 1STQ009217A0000, AD3307 XT3 3P flange mounted on plate 1STQ009218A0000, AD3305 XT4 3P flange mounted on plate 1STQ009219A0000.

QB3H620RC

QB4H820RC

Module for:
- Tmax breaker horizontal 4-pole + RC
- Unequipped set for ABB Tmax as an incoming or outgoing breaker

Content:
- Mounting plate made of sheet steel with cut-outs
  (for fixed version with level operation with front Terminals)
- Support to fix to the rear panel profiles
- Cover plates with cut-outs (for 4 pole breaker + RC) and 1/4 turn quick-lock

Width mm	Type of device					Order details			
	Type code	I_n max A	Numbers of breakers	Numbers of poles	Height mm	Type code	Order code	Price	Pcs.
600	Tmax XT1	160	1	3/4	200	QB1H620RC	1SZE980040B0690		1
	Tmax XT2	160	1	3/4	200	QB2H620RC	1SZE980040B0700		1
	Tmax XT3	250	1	3/4	200	QB3H620RC	1SZE980040B0710		1
	Tmax XT4	250	1	3/4	200	QB4H620RC	1SZE980040B0720		1
	Tmax XT5	630	1	3/4	300	QB5H630RC	1SZE980040B0730		1
	Tmax XT6	800	1	3/4	400	QB6H640RC	1SZE980040B0740		1
	Tmax T5	630	1	3/4	300	QB5H630TR	1SZE980040B0750		1
800	Tmax XT1	160	1	3/4	200	QB1H820RC	1SZE980040B0770		1
	Tmax XT2	160	1	3/4	200	QB2H820RC	1SZE980040B0780		1
	Tmax XT3	250	1	3/4	200	QB3H820RC	1SZE980040B0790		1
	Tmax XT4	250	1	3/4	200	QB4H820RC	1SZE980040B0800		1
	Tmax XT5	630	1	3/4	300	QB5H830RC	1SZE980040B0810		1
	Tmax XT6	800	1	3/4	400	QB6H840RC	1SZE980040B0820		1
	Tmax T5	630	1	3/4	300	QB5H830TR	1SZE980040B0830		1

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System pro E® energy Combi
Modules for moulded case circuit breaker Tmax, vertical

Module for:
- Tmax breaker vertical 3-/4-pole
- Unequipped set for ABB Tmax as an incomer or outgoing breaker

Content:
- Mounting plate of sheet steel with cut-outs
  (for fixed version with level operation with front Terminals)
- Support to fix to the rear panel profiles
- Cover plates with cut-outs and 1/4 turn quick-lock

QB3V43000   **QB5V84500**

| Width mm | Type of device | | | | | Order details | | | |
	Type code	I_n max A	Numbers of breakers	Numbers of poles	Height mm	Type code	Order code	Price	Pcs.
400	Tmax XT1	160	1	3/4	300	QB1V43000	1SZE980040B0010		1
	Tmax XT2	160	1	3/4	300	QB2V43000	1SZE980040B0020		1
	Tmax XT3	250	1	3/4	300	QB3V43000	1SZE980040B0030		1
	Tmax XT4	250	1	3/4	300	QB4V43000	1SZE980040B0040		1
	Tmax XT5	630	1	3/4	450	QB5V44500	1SZE980040B0050		1
	Tmax T5	630	1	3/4	450	QB5V445TM	1SZE980040B0070		1
600	Tmax XT1	160	1	3/4	300	QB1V63000	1SZE980040B0090		1
	Tmax XT2	160	1	3/4	300	QB2V63000	1SZE980040B0100		1
	Tmax XT3	250	1	3/4	300	QB3V63000	1SZE980040B0110		1
	Tmax XT4	250	1	3/4	300	QB4V63000	1SZE980040B0120		1
	Tmax XT5	630	1	3/4	450	QB5V64500	1SZE980040B0130		1
	Tmax XT6	800	1	3/4	450	QB6V64500	1SZE980040B0140		1
	Tmax T5	630	1	3/4	450	QB5V645TM	1SZE980040B0150		1
	Tmax T6	800	1	3/4	450	QB6V645TM	1SZE980040B0160		1
800	Tmax XT1	160	1	3/4	300	QB1V83000	1SZE980040B0170		1
	Tmax XT2	160	1	3/4	300	QB2V83000	1SZE980040B0180		1
	Tmax XT3	250	1	3/4	300	QB3V83000	1SZE980040B0190		1
	Tmax XT4	250	1	3/4	300	QB4V83000	1SZE980040B0200		1
	Tmax XT5	630	1	3/4	450	QB5V84500	1SZE980040B0210		1
	Tmax XT6	800	1	3/4	450	QB6V84500	1SZE980040B0220		1
	Tmax T5	630	1	3/4	450	QB5V845TM	1SZE980040B0230		1
	Tmax T6	800	1	3/4	450	QB6V845TM	1SZE980040B0240		1

For 3 pole breakers please order accessory flange code AD3305 XT1 3P flange mounted on plate 1STQ009216A0000, AD3306 XT2 3P flange mounted on plate 1STQ009217A0000, AD3307 XT3 3P flange mounted on plate 1STQ009218A0000, AD3305 XT4 3P flange mounted on plate 1STQ009219A0000.

System pro E® energy Combi
Modules for moulded case circuit breaker Tmax + RC sel. vertical

QB4V435RC

QB5V845RC

Module for:
- Tmax breaker vertical 4-pole + RC sel.
- Unequipped set for ABB Tmax as an incomer or outgoing breaker

Content:
- Mounting plate of sheet steel with cut-outs
  (for fixed version with level operation with front Terminals)
- Support to fix to the rear panel profiles
- Cover plates with cut-outs (for 4 pole breaker + RC) and 1/4 turn
  quick-lock

Width mm	Type of device					Order details			
	Type code	I_n max A	Numbers of breakers	Numbers of poles	Height mm	Type code	Order code	Price	Pcs.
400	Tmax XT1	160	1	4	300	QB1V430RC	1SZE980040B0490		1
	Tmax XT2	160	1	4	350	QB2V435RC	1SZE980040B0500		1
	Tmax XT3	250	1	4	350	QB3V435RC	1SZE980040B0510		1
	Tmax XT4	250	1	4	350	QB4V435RC	1SZE980040B0520		1
	Tmax XT5	630	1	4	450	QB5V445RC	1SZE980040B0530		1
	Tmax T5	630	1	4	450	QB5V445TR	1SZE980040B0540		1
600	Tmax XT1	160	1	4	300	QB1V630RC	1SZE980040B0550		1
	Tmax XT2	160	1	4	350	QB2V635RC	1SZE980040B0560		1
	Tmax XT3	250	1	4	350	QB3V635RC	1SZE980040B0570		1
	Tmax XT4	250	1	4	350	QB4V635RC	1SZE980040B0580		1
	Tmax XT5	630	1	4	450	QB5V645RC	1SZE980040B0590		1
	Tmax T5	630	1	4	450	QB5V645TR	1SZE980040B0610		1
800	Tmax XT1	160	1	4	300	QB1V830RC	1SZE980040B0620		1
	Tmax XT2	160	1	4	350	QB2V835RC	1SZE980040B0630		1
	Tmax XT3	250	1	4	350	QB3V835RC	1SZE980040B0640		1
	Tmax XT4	250	1	4	350	QB4V835RC	1SZE980040B0650		1
	Tmax XT5	630	1	4	450	QB5V845RC	1SZE980040B0660		1
	Tmax T5	630	1	4	450	QB5V845TR	1SZE980040B0680		1

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System pro E® energy Combi
Modules for multiple moulded case circuit breaker Tmax, vertical

QB3V63003
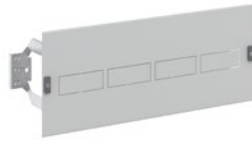
QB3V83004

Module for:
- Multiple Tmax breaker vertical 3-/4-pole (side-by-side)
- Unequipped set for ABB Tmax as an incomer or outgoing breaker

Content:
- Mounting plate of sheet steel with cut-outs
  (for fixed version with level operation and front Terminals)
- Support to fix to the rear panel profiles
- Cover plate with cut-outs and 1/4 turn quick-lock

Width mm	Type of device					Order details			
	Type code	I_n max A	Numbers of breakers	Numbers of poles	Height mm	Type code	Order code	Price	Pcs.
600	Tmax XT1	160	3	3/4	300	QB1V63003	1SZE980040B0250		1
	Tmax XT2	160	3	3/4	300	QB2V63003	1SZE980040B0260		1
	Tmax XT3	250	3	3/4	300	QB3V63003	1SZE980040B0270		1
	Tmax XT4	250	3	3/4	300	QB4V63003	1SZE980040B0280		1
800	Tmax XT1	160	4	3/4	300	QB1V83004	1SZE980040B0290		1
	Tmax XT2	160	4	3/4	300	QB2V83004	1SZE980040B0300		1
	Tmax XT3	250	4	3/4	300	QB3V83004	1SZE980040B0310		1
	Tmax XT4	250	4	3/4	300	QB4V83004	1SZE980040B0320		1

For 3 pole breakers please order accessory flange code AD3305 XT1 3P flange mounted on plate 1STQ009216A0000, AD3306 XT2 3P flange mounted on plate 1STQ009217A0000, AD3307 XT3 3P flange mounted on plate 1STQ009218A0000, AD3305 XT4 3P flange mounted on plate 1STQ009219A0000.

QDS1B6300

Breaker module for:
- Unequipped module for XT2 4 pole + RS sel.
- DIN rail adjustable
- Cover slotted
- Breaker positioned symmetrical behind the cover

Content:
- DIN rail is fixed on a mounting bracket
- DIN rail is double DIN, made of aluminium
- On the back-side it is possible to use Unifix L
- 1/4 turn quick-lock

Additional information						Order details			
Width mm	Height mm	I_n max A	Space units (SU)	DIN-rail distance	Numbers of rows	Type code	Order code	Price	Pcs.
600	300	250	24	300	1	QDS1B6300	1SZE980020B0170		1
800	300	250	36	300	1	QDS1B8300	1SZE980020B0180		1

System pro E® energy Combi
Modules for switch disconnector OT, horizontal

QS4H63500   **QS4H83500**

Module for:
- Switch disconnector 3-/4-pole (horizontal)
- Unequipped set for ABB switch disconnector (OT…E03/04) as an incomer or outgoing switch

Content:
- Mounting plate of sheet steel with cut-outs and fixing points
- Support to fix to the rear panel profiles
- Cover plate with cut-outs for rotery handle in top of the center (Handle on one side of the switch)
- 1/4 turn quick-lock

Important:
- No possibility to use Busbar-system behind modules of OT630 and OT800

Width mm	Type of device					Order details			
	Type code	I_n max A	Numbers of breakers	Numbers of poles	Height mm	Type code	Order code	Price	Pcs.
400	OT200, OT250	400	1	3/4	350	QS4H43500	1SZE980050B0150		1
600	OT200, OT250 OT315, OT400	400	1	3/4	350	QS4H63500	1SZE980050B0010		1
	OT630, OT800	800	1	3/4	500	QS8H65000	1SZE980050B0020		1
800	OT200, OT250 OT315, OT400	400	1	3/4	350	QS4H83500	1SZE980050B0030		1
	OT630, OT800	800	1	3/4	500	QS8H85000	1SZE980050B0040		1

System pro E® energy Combi
Modules for switch disconnector OT, vertical

QS4V435HL　**QS4V635HL**

QS4V835HL

Module for:
- Switch disconnector 3-/4-pole (vertical) handle left
- Unequipped set for ABB switch disconnector (OT…E03/04) as an incomer or outgoing switch

Content:
- Mounting plate of sheet steel with cut-outs and fixing points
- Support to fix to the rear panel profiles
- Cover plate with cut-outs for rotery handle left (Handle on one side of the switch)
- 1/4 turn quick-lock

Important:
- No possibility to use Busbar-system behind modules of OT630 and OT800

Width mm	Height mm	For device				Order details			
		I_n max A	Type code	Numbers of breakers	Numbers of poles	Type code	Order code	Price	Pcs.
400	350	400	OT200, OT250 OT315, OT400	1	3/4	QS4V435HL	1SZE980050B0050		1
600	350	400	OT200, OT250 OT315, OT400	1	3/4	QS4V635HL	1SZE980050B0060		1
		800	OT630, OT800	1	3/4	QS8V635HL	1SZE980050B0070		
800	350	400	OT200, OT250 OT315, OT400	1	3/4	QS4V835HL	1SZE980050B0080		1
		800	OT630, OT800	1	3/4	QS8V835HL	1SZE980050B0090		1
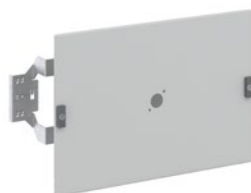
QS4V435HM　**QS4V635HM**

QS8V835HM

Module for:
- Switch disconnector 3-/4-pole (vertical) handle middle/center
- Unequipped set for ABB switch disconnector (OT…E03/04) as an incommer or outgoing switch

Content:
- Mounting plate of sheet steel with cut-outs and fixing points
- Support to fix to the rear panel profiles
- Cover plate with cut-outs for rotary handle center
- 1/4 turn quick-lock

Important:
- No possibility to use Busbar-system behind modules of OT630 and OT800

Width mm	Height mm	For device				Order details			
		I_n max A	Type code	Numbers of breakers	Numbers of poles	Type code	Order code	Price	Pcs.
400	350	400	OT200, OT250 OT315, OT400	1	3/4	QS4V435HM	1SZE980050B0100		1
600	350	400	OT200, OT250 OT315, OT400	1	3/4	QS4V635HM	1SZE980050B0110		1
		800	OT630, OT800	1	3/4	QS8V635HM	1SZE980050B0120		
800	350	400	OT200, OT250 OT315, OT400	1	3/4	QS4V835HM	1SZE980050B0130		1
		800	OT630, OT800	1	3/4	QS8V835HM	1SZE980050B0140		1

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System pro E® energy Combi
Modules for automatic transfer switch (ATS), vertical

QL4V66000

QL8V80600

Module for:
- Automatic transfer switch 3-/4-pole (vertical)
- Unequipped set for ABB ATS (TruONE)

Content:
- Mounting plate made of sheet steel with cut-outs and fixing points
- Support to fix to the rear panel profiles
- Cover plate with cut-outs for programming port module
- 1/4 turn quick-lock

Important:
- No possibility to use Busbar-system behind modules

05

Width mm	Height mm	For device		Numbers of breakers	Numbers of poles	Order details		Price	Pcs.
		I_n max A	Type code			Type code	Order code		
600	600	400	OXB200, OXB250 OXB315, OXB400	1	3/4	QL4V66000	1SZE980050B0150		1
800	600	400	OXB200, OXB250 OXB315, OXB400	1	3/4	QL4V80600	1SZE980050B0160		1
		800	OXB500, OXB630, OXB800	1	3/4	QL8V80600	1SZE980050B0170		1

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System pro E® energy Combi
Module with slotted covers + DIN-rail

QDS161500   **QDS283000**

Slotted covers for:
- DIN-rail components
- Rail distance 150 mm

Content:
- Slotted closed
- Unequipped module (Double DIN-rail included)
- DIN-rail fixed height
- 1/4 turn quick-lock

Additional information						Order details			
Width mm	Height mm	I_n max A	Space units (SU)	DIN-rail distance	Numbers of rows	Type code	Order code	Price	Pcs.
400	150	160	12	150	1	QDS141500	1SZE980020B0010		1
	200	160	12	150	1	QDS142000	1SZE980020B0020		1
	300	160	12	150	1	QDS143000	1SZE980020B0030		1
	300	160	12	150	2	QDS243000	1SZE980020B0040		1
600	150	160	24	150	1	QDS161500	1SZE980020B0050		1
	200	160	24	150	1	QDS162000	1SZE980020B0060		1
	300	160	24	150	1	QDS163000	1SZE980020B0070		1
	300	160	24	150	2	QDS263000	1SZE980020B0080		1
800	150	160	36	150	1	QDS181500	1SZE980020B0090		1
	200	160	36	150	1	QDS182000	1SZE980020B0100		1
	300	160	36	150	1	QDS183000	1SZE980020B0110		1
	300	160	36	150	2	QDS283000	1SZE980020B0120		1

QUS163000

DIN rail module for Unifix H:
- Unequipped module for Unifix H
- Fixed on a mounting bracket
- Rail distance 300 mm
- Unifix H not included

Content:
- Slotted cover
- 1/4 turn quick-lock

Additional information						Order details			
Width mm	Height mm	I_n max A	Space units (SU)	DIN-rail distance	Numbers of rows	Type code	Order code	Price	Pcs.
600	300	250	24	300	1	QUS163000	1SZE980020B0140		1
800	300	250	36	300	1	QUS183000	1SZE980020B0150		1

QDS16300A

DIN rail module for ATS Compact
- Unequiped module for ATS Compact (S750/S800/XT1/S200, SPD, OVR,..)
- Mounted on adjustable bracket
- Rail distance 300 mm
- Combination with Unifix L possible due to double DIN (Unifix not included)

Additional information				Order details			
Width mm	Height mm	Space units (SU)	DIN-rail distance	Type code	Order code	Price	Pcs.
600	300	24	300	QDS16300A	1SZE980020B0400		1
800	300	36	300	QDS18300A	1SZE980020B0410		1

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System pro E® energy Combi
Slotted covers
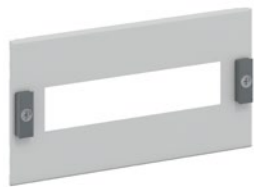
QCS141501
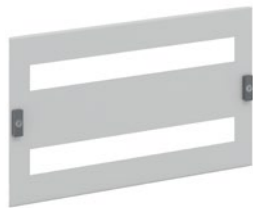
QCS263001

Slotted covers for:
- DIN-rail components
- Distance between slots 150 mm

Content:
- Slotted cover
- Unequipped cover (no DIN-rail included)
- 1/4 turn quick-lock

Important:
- DIN-rail needs to be ordered seperetly (see below)

Additional information						Order details			
Width mm	Height mm	I_n max A	Space units (SU)	DIN-rail distance	Numbers of rows	Type code	Order code	Price	Pcs.
400	150	160	12	150	1	QCS141501	1SZE980020B0190		1
	200	160	12	150	1	QCS142001	1SZE980010B0460		
	300	160	12	150	1	QCS143001	1SZE980020B0200		1
	300	160	12	150	2	QCS243001	1SZE980020B0210		1
600	150	160	24	150	1	QCS161501	1SZE980020B0240		1
	200	160	24	150	1	QCS162001	1SZE980010B0470		
	300	160	24	150	1	QCS163001	1SZE980020B0250		1
	300	160	24	150	2	QCS263001	1SZE980020B0260		1
800	150	160	36	150	1	QCS181501	1SZE980020B0290		1
	200	160	36	150	1	QCS182001	1SZE980010B0480		
	300	160	36	150	1	QCS183001	1SZE980020B0300		1
	300	160	36	150	2	QCS283001	1SZE980020B0310		1
Packaging									
400	150	160	12	150	1	QCS1415P1	1SZE980020B0340		10
	300	160	12	150	2	QCS2430P1	1SZE980020B0350		10
600	150	160	24	150	1	QCS1615P1	1SZE980020B0360		10
	300	160	24	150	2	QCS2630P1	1SZE980020B0370		10
800	150	160	36	150	1	QCS1815P1	1SZE980020B0380		10
	300	160	36	150	2	QCS2830P1	1SZE980020B0390		10

QT0283000

Covers for Terminals:
- Blind covers with DIN-rails
- DIN-rail (double DIN)

Content:
- Cover
- DIN-rail (double DIN) mounted on the backplate

Additional information						Order details			
Width mm	Height mm	I_n max A	Space units (SU)	DIN-rail distance	Number of DIN-rails	Type code	Order code	Price	Pcs.
400	150			150	1	QT0141500	1SZE980030B0010		1
	200			200	1	QT0142000	1SZE980030B0020		1
	300			300	1	QT0143000	1SZE980030B0030		1
	300			150	2	QT0243000	1SZE980030B0040		1
600	150			150	1	QT0161500	1SZE980030B0050		1
	200			200	1	QT0162000	1SZE980030B0060		1
	300			300	1	QT0163000	1SZE980030B0070		1
	300			150	2	QT0263000	1SZE980030B0080		1
800	150			150	1	QT0181500	1SZE980030B0090		1
	200			200	1	QT0182000	1SZE980030B0100		1
	300			300	1	QT0183000	1SZE980030B0110		1
	300			150	2	QT0283000	1SZE980030B0120		1

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System pro E® energy Combi
DIN-rails

QAD002000

DIN-rail for Slotted covers:
- DIN rail (Double DIN)
- Mounted on fixed bracket

Content:
- Double DIN
- Bracket with support to fix to the rear Panel profile
- Unequipped DIN-rail for Pro-M products (S200, MCB, RCD, SPD, OVR,.. UNIFIX-L)
- Made of aluminium

Additional information				Order details			
Width mm	**Quantity**	**I_n max A**	**Space units (SU)**	**Type code**	**Order code**	**Price**	**Pcs.**
400	1		12	QAD001000	1SZE980150B0070		1
	10		12	QAD0010P1	1SZE980150B0100		10
600	1		24	QAD002000	1SZE980150B0080		1
	10		24	QAD0020P1	1SZE980150B0110		10
800	1		36	QAD003000	1SZE980150B0090		1
	10		36	QAD0030P1	1SZE980150B0120		10

QADF011000

DIN-rail for Slotted covers or closed covers:
- DIN rail (Double DIN)
- Mounted on Adjustable bracket

Content:
- Double DIN (Unifix-L can be mounted)
- Bracket adjustable in 3 depths
- Bracket with support to fix to the rear Panel profile
- Unequipped DIN-rail for, System pro M S200, OT switch up to OT160 (front level) T-max (XT1, XT3) ATS125 (3-4 Pole) version (back level)
- Second and third level of bracket can be used for Terminals behind blind cover
- DIN-rail made of aluminium

Additional information				Order details			
Width mm	**Quantity**	**I_n max A**	**Space units (SU)**	**Type code**	**Order code**	**Price**	**Pcs.**
400	1		12	QAD011000	1SZE980150B0130		1
	10		12	QAD0110P1	1SZE980150B0160		10
600	1		24	QAD012000	1SZE980150B0140		1
	10		24	QAD0120P1	1SZE980150B0170		10
800	1		36	QAD013000	1SZE980150B0150		1
	10		36	QAD0130P1	1SZE980150B0180		10

System pro E® energy Combi
DIN-rails

QAD031000

DIN-rail :
- DIN rail (Double DIN)
- Mounted on the back plate

Content:
- Double DIN
- Screws incl. for mounting on the back plate
- DIN-rail made of aluminium

Additional information			Order details			
Width		**Space**				
mm	**I_n max A**	**units (SU)**	**Type code**	**Order code**	**Price**	**Pcs.**
400		12	QAD031000	1SZE980150B0220		1
		12	QAD0310P1	1SZE980150B0250		10
600		24	QAD032000	1SZE980150B0230		1
		24	QAD0320P1	1SZE980150B0260		10
800		36	QAD033000	1SZE980150B0240		1
		36	QAD0330P1	1SZE980150B0270		10

	Order details			
Description	**Type code**	**Order code**	**Price**	**Pcs.**
Support universal, for horizontal installation	QAW0010P2	1SZE980150B0010		2
For a DIN-rail or cable fastening rail or earth busbar max. 20x5mm, for fix mounting material is metal	QAW0010P5	1SZE980150B0015		50

QAW0010P2
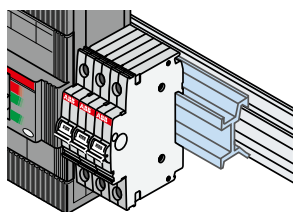
	Width	Order details			
Description	**in mm**	**Type code**	**Order code**	**Price**	**Pcs.**
Depth adapters	600	AP6000			1
Enables the depth of miniature circuit-breakers to be adapted to that of moulded-case circuit-breakers mounted on the same DIN rail.					
Depth adapters for Tmax XT1-XT3					

AP6000

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System pro E® energy Combi
Closed covers

Content:
- Cover closed
- 1/4 turn quick-lock

Important:
- Height 500 mm and bigger have double 1/4 turn quick-lock

	Width mm	Height mm	Order details Type code	Order code	Price	Pcs.
QCC043001	400	50	QCC040501	1SZE980010B0010		1
		100	QCC041001	1SZE980010B0020		1
		150	QCC041501	1SZE980010B0030		1
		200	QCC042001	1SZE980010B0040		1
		250	QCC042501	1SZE980010B0050		1
		300	QCC043001	1SZE980010B0060		1
		350	QCC043501	1SZE980010B0065		1
		400	QCC044001	1SZE980010B0070		1
		500	QCC045001	1SZE980010B0080		1
		600	QCC046001	1SZE980010B0090		1
		800	QCC048001	1SZE980010B0100		1
		900	QCC049001	1SZE980010B0110		1
QCC064001	600	50	QCC060501	1SZE980010B0120		1
		100	QCC061001	1SZE980010B0130		1
		150	QCC061501	1SZE980010B0140		1
		200	QCC062001	1SZE980010B0150		1
		250	QCC062501	1SZE980010B0160		1
		300	QCC063001	1SZE980010B0170		1
		350	QCC063501	1SZE980010B0175		1
		400	QCC064001	1SZE980010B0180		1
		500	QCC065001	1SZE980010B0190		1
		600	QCC066001	1SZE980010B0200		1
		800	QCC068001	1SZE980010B0210		1
		900	QCC069001	1SZE980010B0220		1
QCC086001	800	50	QCC080501	1SZE980010B0230		1
		100	QCC081001	1SZE980010B0240		1
		150	QCC081501	1SZE980010B0250		1
		200	QCC082001	1SZE980010B0260		1
		250	QCC082501	1SZE980010B0270		1
		300	QCC083001	1SZE980010B0280		1
		350	QCC083501	1SZE980010B0285		1
		400	QCC084001	1SZE980010B0290		1
		500	QCC085001	1SZE980010B0300		1
		600	QCC086001	1SZE980010B0310		1
		800	QCC088001	1SZE980010B0320		1
		900	QCC089001	1SZE980010B0330		1
Multi packaging						
	400	150	QCC0415P1	1SZE980010B0400		10
		200	QCC0420P1	1SZE980010B0410		10
	600	150	QCC0615P1	1SZE980010B0420		10
		200	QCC0620P1	1SZE980010B0430		10
	800	150	QCC0815P1	1SZE980010B0440		10
		200	QCC0820P1	1SZE980010B0450		10

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System pro E® energy Combi
Mounting plates
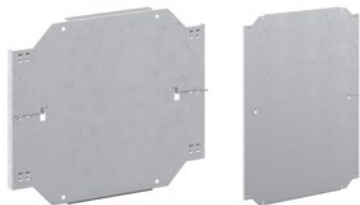
QM0403000   **QM0609000**

Mountingplates for:
- For fixing directly on the profile
- Distance between mounting plate and cover is 170 mm

Content:
- Mounting plate
- Support to fix to the rear panel profiles
- Cover plate not include

		Usable messurements				Order details			
Width mm	Height mm	Width mm	Height mm	Distance to covers mm	Distance to door mm	Type code	Order code	Price	Pcs.
400	300	146	269	172	56	QM0403000	1SZE980070B0010		1
600	150	362	139	172	56	QM0601500	1SZE980070B0020		1
	200	362	189	172	56	QM0602000	1SZE980070B0030		1
	250	362	239	172	56	QM0602500	1SZE980070B0040		1
	300	362	289	172	56	QM0603000	1SZE980070B0050		1
	400	362	389	172	56	QM0604000	1SZE980070B0060		1
	500	362	489	172	56	QM0605000	1SZE980070B0070		1
	600	362	589	172	56	QM0606000	1SZE980070B0080		1
	800	362	789	172	56	QM0608000	1SZE980070B0090		1
	900	362	889	172	56	QM0609000	1SZE980070B0100		1
	1000	362	989	172	56	QM0610000	1SZE980070B0110		1
800	150	578	139	172	56	QM0801500	1SZE980070B0130		1
	200	362	189	172	56	QM0802000	1SZE980070B0140		1
	250	362	239	172	56	QM0802500	1SZE980070B0150		1
	300	362	289	172	56	QM0803000	1SZE980070B0160		1
	400	362	389	172	56	QM0804000	1SZE980070B0170		1
	500	362	489	172	56	QM0805000	1SZE980070B0180		1
	600	362	589	172	56	QM0806000	1SZE980070B0190		1
	800	362	789	172	56	QM0808000	1SZE980070B0200		1
	900	362	889	172	56	QM0809000	1SZE980070B0210		1
	1000	362	989	172	56	QM0810000	1SZE980070B0220		1

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System pro E® energy Combi
Covers for SMISSLINE

QXEV46001   **QXEV66001**

Module for:
- SMISSLINE TP 125 A (Vertical)
- Unequipped set with SMISSLINE

Content:
- Ready for mounting of SMISSLINE TP 125 A
- Extention with DIN-rails 35×15 mm
- A cable laying grid is included for cable fixing
- Support to fix to the rear panel profile

Width mm	Height mm	Order details			
		Type code	Order code	Price	Pcs.
400	450	QXEV44501	1SZE980100B0010		1
	600	QXEV46001	1SZE980100B0030		1
	750	QXEV47501	1SZE980100B0040		1
600	450	QXEV64501	1SZE980100B0060		1
	600	QXEV66001	1SZE980100B0080		1
	750	QXEV67501	1SZE980100B0090		1
800	450	QXEV84501	1SZE980100B0210		1
	600	QXEV86001	1SZE980100B0230		1
	750	QXEV87501	1SZE980100B0240		1

QXEV66002   **QXEV66002**

Module for:
- SMISSLINE TP 250 A (Vertical)
- Unequipped set with SMISSLINE

Content:
- Ready for mounting of SMISSLINE TP 250 A
- Extention with DIN-rails 35×15 mm
- A cable laying grid is included for cable fixing
- Support to fix to the rear panel profile

Width mm	Height mm	Order details			
		Type code	Order code	Price	Pcs.
400	450	QXEV44502	1SZE980100B0110		1
	600	QXEV46002	1SZE980100B0130		1
	750	QXEV47502	1SZE980100B0140		1
600	450	QXEV64502	1SZE980100B0160		1
	600	QXEV66002	1SZE980100B0180		1
	750	QXEV67502	1SZE980100B0190		1
800	450	QXEV84502	1SZE980100B0260		1
	600	QXEV86002	1SZE980100B0280		1
	750	QXEV87502	1SZE980100B0290		1

System pro E® energy Combi
Internal form of segregation form 2b

QRFV46001

Vertical busbar segregation
- Set to separate the busbar behind the covers
- Touch protection in front of the busbar system
- Mounting position vertical
- Scaled Busbar Holder
- Material is transparent plastic
- Internal and external cable container (400 mm width)

Vertical segregation (400 mm width)

Width	Height	Order details		Price	Pcs.
mm	mm	Type code	Order code		
400	600	QRFV46001	1SZE980190B0010		1
	800	QRFV48001	1SZE980190B0020		1
closing		QRFV4C001	1SZE980190B0030		1

QRFV66001

Vertical busbar segregation
- Set to separate the busbar behind device area
- Touch protection in front of the busbar system
- Mounting position vertical
- Flat Busbar holder
- Material is transparent plastic

Vertical segregation (600/800 mm width)

Width	Height	Order details		Price	Pcs.
mm	mm	Type code	Order code		
600/800	600	QRFV66001	1SZE980190B0040		1
	800	QRFV68001	1SZE980190B0050		1
closing		QRFV6C001	1SZE980190B0060		1

QRFW63001

Horizontal busbar segregation
- Set to separate the busbar behind device area
- Touch protection behind the busbar system
- Mounting position horizontal
- Material is transparent plastic

Horizontal busbar segregation

Width	Height	Order details		Price	Pcs.
mm	mm	Type code	Order code		
600	300	QRFW63001	1SZE980190B0070		1
800	300	QRFW83001	1SZE980190B0080		1
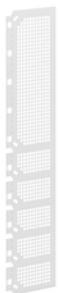
QRFV01XSS

- Set to separate the busbars in external cable container to the device area
- Mounting position vertical
- Material is transparent plastic

Depth	Height	Order details		Price	Pcs.
mm	mm	Type code	Order code		
250	1000	QRFV01XSS	1SZE980190B0090		1

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System pro E® energy Combi
Special covers
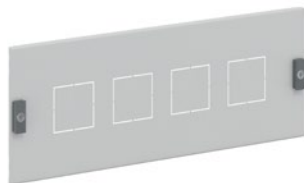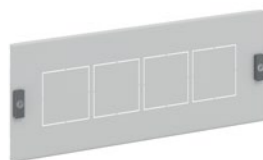
QCM761500   **QCM961500**

Covers for:
- Metering
- 72×72 mm or 96×96 mm

Content:
- Cover plate closed with 2 pre-punch-out (400 mm width)
- Cover plate closed with 4 pre-punch-outs (600 mm width)
- Cover plate closed with 6 pre-punch-outs (800 mm width)
- Unequipped module (Metering not included)
- 1/4 turn quick-lock closing

Additional information					Order details			
Width mm	Height mm	Space units (SU)	DIN-rail distance	Numbers of places	Type code	Order code	Price	Pcs.
400	150	72×72	150	2	QCM741500	1SZE980090B0010		1
600	150	72×72	150	4	QCM761500	1SZE980090B0030		1
800	150	72×72	150	6	QCM781500	1SZE980090B0050		1
400	150	96×96	150	2	QCM941500	1SZE980090B0020		1
600	150	96×96	150	4	QCM961500	1SZE980090B0040		1
800	150	96×96	150	6	QCM981500	1SZE980090B0060		1

QCP061000

Covers for:
- Push-buttons / Pilot devices
- Diameter 22.3 mm / 0.88"

Content:
- Cover plate closed with 5 pre-punch-outs (400 mm width)
- Cover plate closed with 10 pre-punch-outs (600 mm width)
- Cover plate closed with 15 pre-punch-outs (800 mm width)
- Unequipped module (Buttons/Pilote devices not included)
- 1/4 turn quick-lock closing

Additional information				Order details			
Width mm	Height mm	Diameter mm	Numbers of buttons	Type code	Order code	Price	Pcs.
400	100	22.3	5	QCP041000	1SZE980090B0110		1
600	100	22.3	10	QCP061000	1SZE980090B0111		1
800	100	22.3	15	QCP081000	1SZE980090B0112		1

QXW061000

Cover for:
- The cable connection between module and switchgear cabinet door
- Cover with cut-out for the cable connection
- With DIN rail and connection sleeve
- With accessories to attach the sleeve to the module and to switchgear door
- Consider the door hinge position
- 1/4 turn quick-lock closing

Additional information		Order details			
Width mm	Height mm	Type code	Order code	Price	Pcs.
400	150	QXW041000	1SZE980110B0010		1
600	150	QXW061000	1SZE980110B0020		1
800	150	QXW081000	1SZE980110B0030		1

System pro E® energy Combi
Special covers

- Earthing set
- Connection between cover and structure, when using devices in the cover / door
- Cable diameter 6 mm² 2x M5

QAW007001

Order details				
Type code	**Order code**		**Price**	**Pcs.**
QAW007001	1SZER990940B0140			1

- Hinge set for covers
- Opening angle 90 degrees
- 2 pcs. required per cover

CAHCP10

Order details				
Type code	**Order code**		**Price**	**Pcs.**
CAHCP10	2CPX078485R9999			10

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System pro E® energy Combi
Special covers France (dedicated only for France)

QJ4H620RC

Moduls for solution:
- Tarif Jaune

Content:
- Mounting plate, double isolated
- Cover plate
- Unequipped module (metering not included)
- 1/4 turn quick-lock closing

—
Tarif Jaune Vertical

Width	Device details					Order details			
mm	Type breaker	Current I_n	Pole	Height mm		Type code	Order code	Price	Pcs.
400	XT2+RC	160 A	4	350		QJ2V435RC	1SZE980090B0210		1
	XT4+RC	250 A	4	350		QJ4V435RC	1SZE980090B0220		1
	XT5+RC	400 A	4	400		QJ5V435RC	1SZE980090B0230		1
600	XT2+RC	160 A	4	350		QJ2V635RC	1SZE980090B0280		1
	XT4+RC	250 A	4	350		QJ4V635RC	1SZE980090B0290		1
	XT5+RC	400 A	4	400		QJ5V635RC	1SZE980090B0300		1

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Tarif Jaune Horizontal

Width	Device details					Order details			
mm	Type breaker	Current I_n	Pole	Height mm		Type code	Order code	Price	Pcs.
600	OT200, OT250 OT315, OT400	400 A	4	350		QJ4H635HL	1SZE980090B0240		1
	XT2+RC	160 A		200		QJ2H620RC	1SZE980090B0250		1
	XT4+RC	250 A	4	200		QJ4H620RC	1SZE980090B0260		1
	XT5+RC	400 A	4	300		QJ5H630RC	1SZE980090B0270		1

Connection set for solution Tarif Jaune:
- Copper busbar connection set OT/XT

Content:
- 4 copper bars
- Unequipped

—
Connection set, busbar Tarif Jaune

Current I_n	Pole	Order details			
		Type code	Order code	Price	Pcs.
160 A	4	QJCU160	1SZE980090B0510		1
250 A	4	QJCU250	1SZE980090B0520		1
400 A	4	QJCU400	1SZE980090B0530		1

Table for rated peak withstand current I_{pk}/rated short-time withstand current I_{cw} (1 sec.)					
Cross-section	I_n in A	No. of busbars per phase	Max. distance between connection points (mm)	Max. distance between connection points (mm)	Max. distance between connection points (mm)
12×5	160	1	250	-	-
20×5	250	1	-	250	-
20×10	400	1	-	-	250

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System pro E® energy Combi
Special covers France (dedicated only for France)

QB3V46000

QB1V63000

QB3V66000

Moduls for solution:
• Tarif Blue

Content:
• Mounting plate, double isolated
• Cover plate
• Unequipped module (metering not included)
• 1/4 turn quick-lock closing

Width	Height	Pole	Order details		Price	Pcs.
mm	mm		Type code	Order code		
400	600	3	QB3V46000	1SZE980090B0310		1
400	300	1	QB1V63000	1SZE980090B0330		1
	600	3	QB3V66000	1SZE980090B0320		1

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System pro E® energy Combi
Busbar system vertical
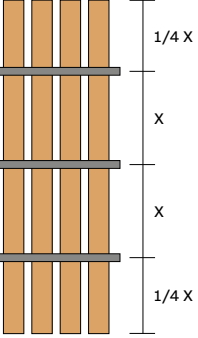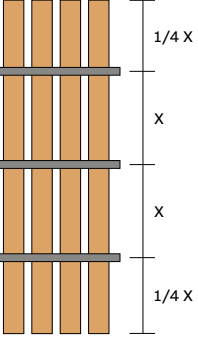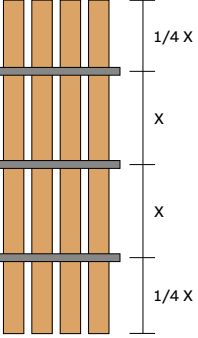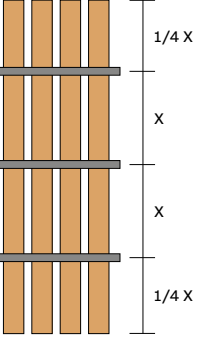
Vertical busbar	Article	Width mm	Order details Type code	Order code	Price	Pcs.
QR6V6FF01	Busbar support Linear for flat busbar Behind the devices area Rated (I_n) max. 630 A Rated peak withstand current (I_{pk}) up to 67 kA Rated short-time withstand current (I_{cw}) 1.0 sec up to 32 kA To find the right numbers of support to achieve the short-circuit, see the table below. Code = 1 support with breaket	600 800	QR6V6FF01 QR6V8FF01	1SZE980120B0030 1SZE980120B0040		1 1
QR6V4FS01	Busbar support scaled for flat busbar for the internal and external cable container Rated (I_n) max. 630 A Rated peak withstand current (I_{pk}) up to 48 kA Rated short-time withstand current (I_{cw}) 1.0 sec up to 23 kA To find the right numbers of support to achieve the short-circuit, see the table below. Code = 1 support with breaket	200/400	QR6V4FS01	1SZE980120B0070		1
QR8V6SF01	Busbar support Linear for shaped busbar Behind the devices area Rated (I_n) max. 800 A Rated peak withstand current (I_{pk}) up to 48 kA Rated short-time withstand current (I_{cw}) 1.0 sec up to 23 kA To find the right numbers of support to achieve the short-circuit, see the table below. Code = 1 support with breaket	600 800	QR8V6SF01 QR8V8SF01	1SZE980120B0010 1SZE980120B0020		1 1
QR8V4SS01	Busbar support scaled for shaped busbar for the internal and external cable container Rated (I_n) max. 800 A Rated peak withstand current (I_{pk}) up to 67 kA Rated short-time withstand current (I_{cw}) 1.0 sec up to 32 kA To find the right numbers of support to achieve the short-circuit, see the table below. Code = 1 support with breaket	200/400	QR8V4SS01	1SZE980120B0060		1

Table for rated peak withstand current I_{pk} / rated short-time withstand current I_{cw} (1 sec.)

	Busbar Type	cross-section	I_n in A	Busbar support	No. of busbars per phase	Max. X (mm)	Max. X (mm)	Max. X (mm)
	Busbar support linear for flat busbar					17kA	23 kA	32kA
		20×5	250	QR6V6FF01	1	250	-	-
		20×10	400	QR6V8FF01	1	-	250	-
		30×10	630		1	-	-	250
	Busbar support scaled for flat busbar							
		20×5	250	QR6V4FS01	1	100	-	-
		20×10	400		1	-	100	-
		30×10	630		1	-	100	-
	Busbar support linear for shaped busbar							
	BA0400		400	QR8V6SF01	1	-	400	-
	BA0800		800	QR8V8SF01	1	-	-	400
	Busbar support scaled for shaped busbars							
	BA0400		400	QR8V4SS01	1	-	400	-
	BA0800		800		1	-	-	350

The distance between the first busbar holder and the end of the busbar must not exceed 1/4 of "X"

(diagram labels: 1/4 X, X, X, 1/4 X)

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System pro E® energy Combi
Busbar system horizontal
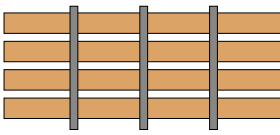
Horizontal busbar	Article	Width mm	Order details Type code	Order code	Price	Pcs.
QR6H6FS01	Busbar support scaled for flat busbar Module height 300 mm (cover needs to be ordered seperately) Rated (I_n) max. 630 A Rated peak withstand current (I_{pk}) up to 48 kA Rated short-time withstand current (I_{cw}) 1.0 sec up to 32 kA To find the right numbers of support to achieve the short-circuit. Code = 1 support with breaket	600	QR6H6FS01	1SZE980120B0120		1
		800	QR6H8FS01	1SZE980120B0130		1
QR8H8SS01	Busbar support scaled for shaped busbar Module height 300 mm (cover needs to be ordered seperately) Rated (I_n) max. 800 A Rated peak withstand current (I_{pk}) up to 63 kA Rated short-time withstand current (I_{cw}) 1.0 sec up to 30 kA To find the right numbers of support to achieve the short-circuit. Code = 1 support with breaket	600	QR8H6SS01	1SZE980120B0090		1
		800	QR8H8SS01	1SZE980120B0100		1
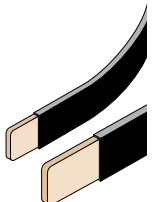
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Table for rated peak withstand current I_{pk} / rated short-time withstand current I_{cw} (1 sec.)
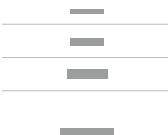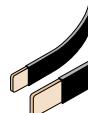
	Busbar Type	cross-section	I_n in A	Busbar support	No. of busbars per phase	Max. X = 250 (mm)
	Busbar support scaled for flat busbars					
		20×5	250	QR6H6FS01 QR6H8FS01	1	6.8 kA
		20×10	400		1	9 kA
		30×10	630		1	9 kA
	Busbar support linear for shaped busbar					
	BA0400		400	QR8H6SS01 QR8H8SS01	1	23 kA
	BA0800		800		1	32 kA
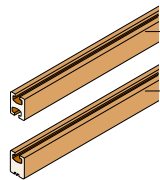
1/4 X   X   X   1/4 X

The distance between the first busbar holder and the end of the busbar must not exceed 1/4 of "X"
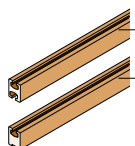
System pro E® energy Combi
Busbar system

	Article	Length mm	I_n A	Order details			
				Type code	Order code	Price	Pcs.
	Flexible Busbars Flexible busbars insulated with self-extinguishing material						
	No. 2 flexible busbars, section 20 x 3	2000	250	BF1602			2
	No. 2 flexible busbars, section 20 x 5	2000	400	BF2502			2
	No. 2 flexible busbars, section 24 x 6	2000	500	BF4002			2
	No. 2 flexible busbars, section 32 x 5	2000	630	BF4012			2

BF1602
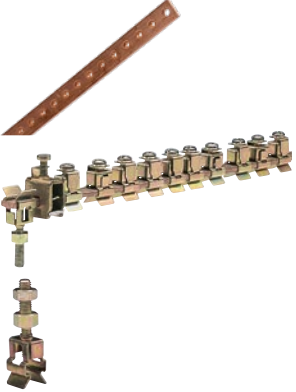
					Dimensions		
Cross section	Type code	I_n A	No. busbar/ phase	Cu busbar mm	Section dimensions mm²	Length mm	Weight kg
Flexible busbars up to 630 A							
	BF1602	250	1	20 x 3	60	2000	1.42
	BF2502	400	1	20 x 5	100	2000	2.15
	BF4002	500	1	24 x 6	144	2000	3
	BF4012	630	1	32 x 5	160	2000	3.36

	Article	Length mm	I_n A	Order details			
				Type code	Order code	Price	Pcs.
BA0400	**Distribution busbars with shaped section**						
BA0800	Busbar In = 400 A	1730	400	BA0400			1
	Busbar In = 800 A	1730	800	BA0800			1

					Dimensions		
Cross section	Type code	I_n A	No. busbar/ phase	Cu busbar mm	Section dimensions mm²	Length mm	Weight kg
Busbars with shaped section for applications up to 800 A							
	BA0400	400	1	20 x 20	200	1730	4
	BA0800	800	1	20 x 20	280	1730	4.4

BA0400
BA0800

System pro E® energy Combi
Busbar system

	Article	Length mm	I_n A	Order details Type code	Order code	Price	Pcs.
	Flat busbar Copper busbars drilled and threaded for rapid connection of the conducters Can be used with both busbar holders (Linear/staircase(scaled)						
	flat busbar 20×5, H2000 threated M.6	2000	250	QR02F2005	1SZE980120B0460		1
	flat busbar 20×10, H2000 threated M.6	2000	400	QR02F2010	1SZE980120B0470		1
	flat busbar 30×10, H2000 threated M.8	2000	630	QR02F3010	1SZE980120B0490		1
	Flat busbar Copper busbars drilled and threaded for rapid connection of the conducters Can be used with both busbar holders (Linear/staircase (scaled)						
	Horizontal PE busbar 20×10, W400	400		QR4HP2010	1SZE980120B0260		1
	Horizontal PE busbar 30×10, W400	400		QR4HP3010	1SZE980120B0270		1
	Horizontal PE busbar 40×10, W400	400		QR4HP4010	1SZE980120B0280		1
	Horizontal PE busbar 20×10, W600	600		QR6HP2010	1SZE980120B0290		1
	Horizontal PE busbar 30×10, W600	600		QR6HP3010	1SZE980120B0300		1
	Horizontal PE busbar 40×10, W600	600		QR6HP4010	1SZE980120B0310		1
	Horizontal PE busbar 20×10, W800	800		QR8HP2010	1SZE980120B0320		1
	Horizontal PE busbar 30×10, W800	800		QR8HP3010	1SZE980120B0330		1
	Horizontal PE busbar 40×10, W800	800		QR8HP4010	1SZE980120B0340		1
	Hor.earthbar W400 CU12×4+conn.	400		QR4PC3010	1SZE980120B0540		1
	Hor.earthbar W600 CU12×4+conn.	600		QR6PC3011	1SZE980120B0550		1
	Hor.earthbar W800 CU12×4+conn.	800		QR8PC3012	1SZE980120B0560		1
	Fixation clips M6 (set of 20 pcs)			QR0CM6P20	1SZE980120B0570		1
	Connectors 16mm² (set of 20 pcs)			QR0C16P20	1SZE980120B0580		1
	Connectors 35mm² (set of 20 pcs)			QR0C35P20	1SZE980120B0590		1

QR0CM6P20

QR0C16P20

QR0C35P20

Modular dividers
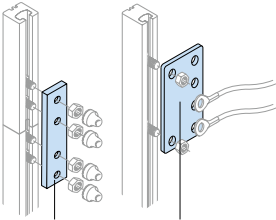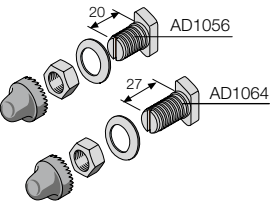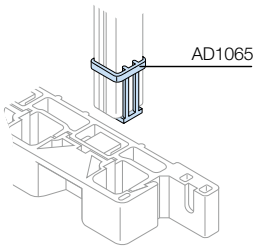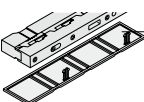
Three-poles
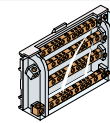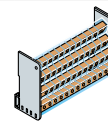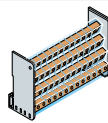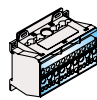
Code		AD1004	AD1028	AD1029	AD1027
I_n	(A)	125	125	125	160
I_{cw}	(kA)	10	4.2	4.2	6.2
I_{pk}	(kA)	24	25	25	20
Version	poli	4.2	4	4	4
Installation		DIN35/plate	DIN35/plate	DIN35/plate	DIN35
Power supply ⌀ cable (mm²)	min.	6	6	6	10
	max.	35	25 with cable terminal	25 with cable terminal	50
N°outgoing feeder ⌀ cable (mm²)	1/6 5/phase	-	-	-	-
	1.5/6 4/neutral	-	-	-	-
	1.5/10 2/phase 6/neutral	7	7	9	-
	1.5/16	-	-	2	-
	2.5/16	-	-	-	8
	6/25	2	2	2	3
Dimensions H×W×D	(mm)	74.5×98×45	93×89×48	96×126×48	90×160.5×50
N° DIN modules		5.5	5	7	9
Rated service voltage U_e	(V)	1000 Vca 1500 Vcc	440	440	440
Degree of protection	IP	20	20	20	20

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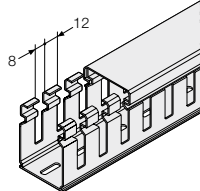
System pro E® energy Combi
Accessories, mounting support

	Article	Order details		Price	Pcs.
		Type code	Order code		
QAW0010P2	**Support universal, for horizontal installation** For a Din rail or cable fastening rail or earth busbar max. 20 x 5 mm Material is metal	QAW0010P2 QAW0010P5	1SZE980150B0010 1SZE980150B0015		2 50
QAW0020P2	**Support universal, for vertical installation** For a Din rail or cable fastening Material is metal	QAW0020P2 QAW0020P5	1SZE980150B0020 1SZE980150B0025		2 50
AD1068 AD1077	**Joints for busbars with shaped section**				
	No. 4 copper 400 A branch joints	AD1077	1STQ008218A0000		4
	No. 4 joints for joining busbars with shaped section 400 / 800 A	AD1068			4
	Hammer seal screws for busbars with shaped section				
	No. 12 M8 screws L = 20 mm for flexible busbars and cable shoes complete with screw-covering cap	AD1056	1STQ008214A0000		12
	No. 12 M8 screws L = 27 mm for flat busbars 10 mm complete with screw-covering cap	AD1064	1STQ008215A0000		12
	Resting bases for busbars with shaped section				
	No. 4 resting bases for 400 / 800 A busbars	AD1065			4
	Busbars holders end cover				
	No. 2 terminal covers for linear busbar holders CKBS1161, CKBS1181	BP0632			1

System pro E® energy Combi
Accessories, wiring system

	Article	Unit	Order details		Price	Pcs.
			Type code	Order code		
	Wire holder For wire guidance, installation depth 28.5 mm, to be inserted into the DIN rail from the rear		ED44P10	2CPX062335R9999		10
			ED44P50	2CPX062308R9999		50
			ED44P1000	2CPX062703R9999		1000
ED44P10 ED45P10	**Wire holder** For the wire guidance or receiving a plastic tube of ⌀ 38 mm, installation depth 55 mm, to be inserted in the DIN rail from the rear		ED45P10	2CPX062336R9999		10
			ED45P50	2CPX062310R9999		50
			ED45P1000	2CPX062704R9999		1000
ED59P10	**DIN rails adapter** For ED44 and ED45, to be snapped onto the DIN rail from the front		ED59P10	2CPX062339R9999		10
	Console for the ED44 and ED45 wire holders To be inserted in the DIN rail from the rear		ED42P10	2CPX062333R9999		10
ED42P10 ED43P10	**Console for the ED44 and ED45 wire holders** To be snapped onto the DIN rail from the front		ED43P10	2CPX062334R9999		10
QAW0040P2	**Support for horizontal wiring** - Below double DIN - Can be combined with ED44 / ED45 / ED42 - Material is polyamid (PA) - Screwless		QAW0040P2	1SZE980150B0040		2
			QAW0040P5	1SZE980150B0045		50
QAW0050P2	**Support for vertical wiring wiring** - For wiring space up to 60 mm 80 mm height - Material is polyamid (PA) - Screwless		QAW0050P2	1SZE980150B0050		2
			QAW0050P5	1SZE980150B0055		50
QAW0060P2	**Support for wiring duct** - For wiring ducts with 60 mm and 80 mm height - Material is polyamid (PA)		QAW0060P2	1SZE980150B0060		2
			QAW0060P5	1SZE980150B0065		50

	Article	Order details		Price	Pcs.
		Type code	Order code		
	Wiring ducts For horizontal and vertical installation RAL 7035, lenght 2000 mm				
	Slot 8 - 12 mm Base x Height in mm				
	60 x 60	05067	M050670000		1
	60 x 80	05087	M050870000		1
	80 x 60	05069	M050690000		1
	80 x 80	05089	M050890000		1
	Slot 4 - 6 mm Base x Height in mm				
	60 x 60	05167	M051670000		1
	60 x 80	05187	M051870000		1
	80 x 60	05169	M051690000		1
	80 x 80	05189	M051890000		1

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System pro E® energy Combi
System Unifix, overview
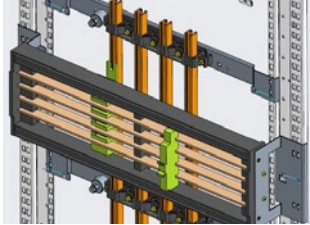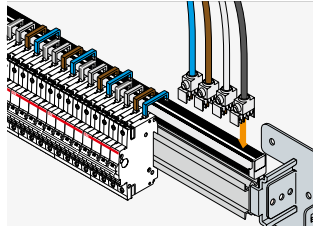

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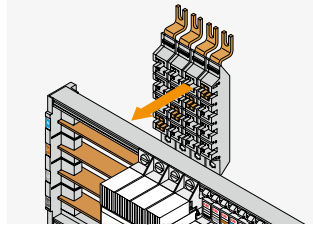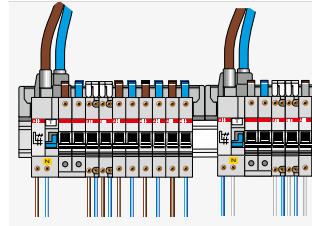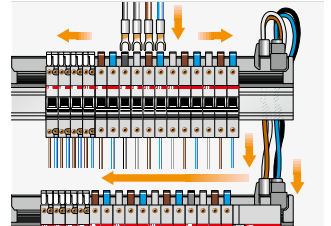

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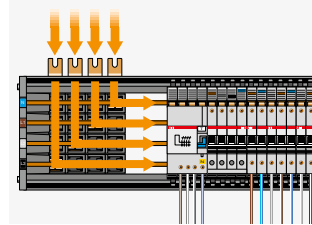
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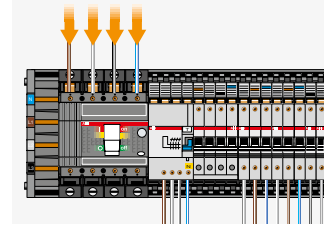
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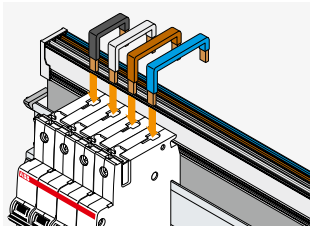
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— 08

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01 Direct connection with the 400/800
A system of busbars with shaped
section
—
02 Feeder module for 400 A frame
(L1-L2-L3-N)
—
03 Direct power supply of the bases by
means of feeder module ED2209

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04 Power supply by means of general
row circuit-breaker
—
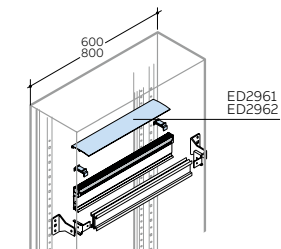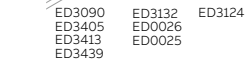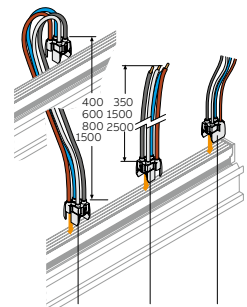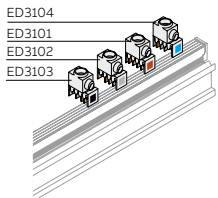05 Connections (L1-L2-L3-N)
for System pro M modular apparatus
—
06 Power supply of the busbar with 100
A feeder module without cable
Terminal capacity 35mm²

—
07 Direct power supply of the busbars
by means of feeder module
—
08 Power supply by means of modules
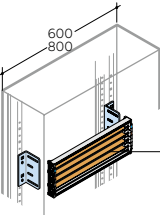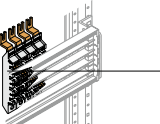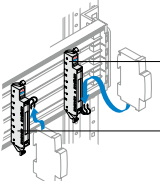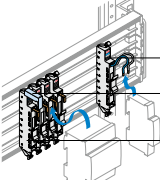and cables in parallel

—
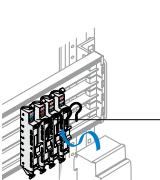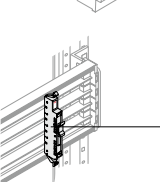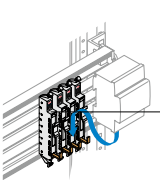
System pro E® energy Combi
System Unifix L
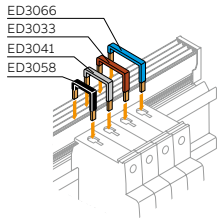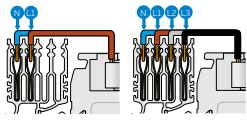
Article	Order details		Price	Pcs.
	Type code	Order code		
2-pole busbars				
100 A 2P 8 module busbar, width 200 mm	ED2985	1STQ008313A0000		6
100 A 2P 12 module busbar, width 400 mm	ED2993	1STQ008314A0000		6
100 A 2P 18 module busbar, width 450 mm	ED3009	1STQ008315A0000		6
100 A 2P 24 module busbar, width 600 mm	ED3017	1STQ008316A0000		6
100 A 2P 36 module busbar, width 800 mm	ED3025	1STQ008317A0000		6
4-pole busbars				
100 A 4P 12 module busbar, width 400 mm	ED2944	1STQ008307A0000		6
100 A 4P 18 module busbar, width 450 mm	ED2951	1STQ008308A0000		6
100 A 4P 24 module busbar, width 600 mm	ED2969	1STQ008311A0000		6
100 A 4P 36 module busbar, width 800 mm	ED2977	1STQ008312A0000		6
Connections for various apparatus				
Connection with 2 conductors L/N 16 A	ED3108	1STQ008332A0000		6
Connection with 3 conductors L1/L2/L3 16 A	ED3116	1STQ008333A0000		6
Connection with 4 conductors L1/L2/L3/N 16 A single phase	ED3124	1STQ008334A0000		6
Connection with 2 conductors L1/N 40 A	ED3355	1STQ008339A0000		6
Connection with 3 conductors L1/L2/L3 40 A	ED3363	1STQ008340A0000		6
Connection with 4 conductors L1/L2/L3/N 40 A	ED3371	1STQ008341A0000		6
Connections for apparatus				
No. 10 connections L1-N 40 A	ED3272	1STQ008336A0000		10
No. 10 connections L2-N 40 A	ED3280	1STQ008337A0000		10
No. 10 connections L3-N 40 A	ED3298	1STQ008338A0000		10
No. 10 connections L 1 100 A	ED3033	1STQ008318A0000		10
No. 10 connections L 2 100 A	ED3041	1STQ008319A0000		10
No. 10 connections L 3 100 A	ED3058	1STQ008320A0000		10
No. 10 connections N 100 A	ED3066	1STQ008321A0000		10
Feeder with 4P 100 A cable, width 350 mm	ED3132	1STQ008335A0000		10
Feeder with 4P 100 A cable, width 1500 mm	ED0026	1STQ008306A0000		10
Feeder with 4P 100 A cable, width 1500 mm	ED0025	1STQ008305A0000		10
Power supply modules with cable				
Parallel module 2P 100 A with cable, width 600 mm	ED3082	1STQ008322A0000		6
Parallel module 4P 100 A with cable, width 400 mm	ED3405	1STQ008342A0000		6
Parallel module 4P 100 A with cable, width 600 mm	ED3090	1STQ008323A0000		6
Parallel module 4P 100 A with cable, width 800 mm	ED3413	1STQ008343A0000		6
Parallel module 4P 100 A with cable, width 1500 mm	ED3439	1STQ008344A0000		6
Power supply modules without cable I_n 100 A				
No. 10 single-pole power supply terminals L1	ED3101	1STQ008324A0000		10
No. 10 single-pole power supply terminals L2	ED3102	1STQ008326A0000		10
No. 10 single-pole power supply terminals L3	ED3103	1STQ008328A0000		10
No. 10 single-pole power supply terminals N	ED3104	1STQ008330A0000		10
Accessories				
N°10 busbar covers, width 600 mm	ED2961	1STQ008309A0000		10
N°2 busbar covers, width 800 mm	ED2962	1STQ008310A0000		2

ED3066
ED3033
ED3041
ED3058

ED3104
ED3101
ED3102
ED3103

400 350
600 1500
800 2500
1500

ED3090   ED3132   ED3124
ED3405   ED0026
ED3413   ED0025
ED3439

600
800

ED2961
ED2962

05

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System pro E® energy Combi
System Unifix H

Article	Order details			Price	Pcs.
	Type code	Order code			
Frames for Tmax					
Frame with 24 DIN module busbar	ED2183				1
Frame with 36 DIN module busbar	ED2191				1
Feeder modules					
4P 400 A feeder module (for ED2183-ED2191)	ED2209	1STQ008230A0000			1
Basic modules I$_n$ 16 A					
Basic module for DIN L1-N top 16 A	ED2894				1
Basic module for DIN L1-L2 top 16 A	ED2902	1STQ008256A0000			1
Basic module for DIN L1-N bottom 16 A	ED2910	1STQ008257A0000			1
Basic module for DIN L1-L2 bottom 16 A	ED2928	1STQ008258A0000			1
Basic modules I$_n$ 40 A					
Basic module L1/Neutral top 40 A	ED2654	1STQ008248A0000			1
Basic module L2/Neutral top 40 A	ED2662	1STQ008249A0000			1
Basic module L3/Neutral top 40 A	ED2670	1STQ008250A0000			1
Basic modules I$_n$ 63 A					
Basic module L1 top 63 A	ED2531	1STQ008231A0000			1
Basic module L2 top 63 A	ED2549	1STQ008232A0000			1
Basic module L3 top 63 A	ED2556	1STQ008238A0000			1
Basic module Neutral top 63 A	ED2564	1STQ008243A0000			1
Basic module L1 bottom 63 A	ED2572	1STQ008244A0000			1
Basic module L2 bottom 63 A	ED2590	1STQ008245A0000			1
Basic module L3 bottom 63 A	ED2598	1STQ008246A0000			1
Basic module Neutral bottom 63 A	ED2606	1STQ008247A0000			1
Basic modules I$_n$ 100 A					
Basic module with cable L1 top 100 A	ED2720	1STQ008251A0000			10
Basic module with cable L2 top 100 A	ED2738	1STQ008252A0000			2
Basic module with cable L3 top 100 A	ED2746	1STQ008253A0000			1
Basic module with cable Neutral top 100 A	ED2753	1STQ008254A0000			1
Basic modules ≤ I$_n$ 40 A S800					
Basic module L1 top ≤ 40 A	ED2557	1STQ008239A0000			1
Basic module L2 top ≤ 40 A	ED2558	1STQ008240A0000			1
Basic module L3 top ≤ 40 A	ED2559	1STQ008241A0000			1
Basic module Neutral top ≤ 40 A	ED2560	1STQ008242A0000			1
Basic modules ≤ I$_n$ 125 A S800					
Basic module L1 top 125 A	ED2551	1STQ008234A0000			1
Basic module L2 top 125 A	ED2552	1STQ008235A0000			1
Basic module L3 top 125 A	ED2553	1STQ008236A0000			1
Basic module Neutral bottom 125 A	ED2554	1STQ008237A0000			1
Basic module false pole, width 27 mm	ED2557	1STQ008239A0000			1

ED2183
ED2191

ED2209

ED2894
ED2902

ED2910
ED2928

ED2654
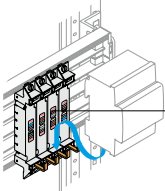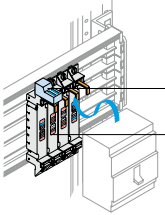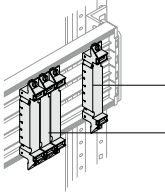ED2662
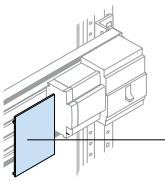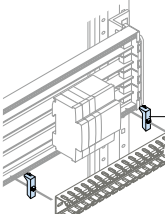ED2670

ED0004

ED2531-ED2549
ED2564-ED2556

ED2720-ED2738
ED2746-ED2753
ED2551-ED2552
ED2553-ED2554

ED2845
ED2550

ED2572-ED2590
ED2598-ED2506

600
800

System pro E® energy Combi

System Unifix H

Article	Order details			
	Type code	Order code	Price	Pcs.
Basic modules ≤ In 160 A, Tmax XT1				
Basic module L1 top L2 bottom	ED2217	1STQ008263A0000		1
Basic module L2 top L1 bottom	ED2225	1STQ008264A0000		1
Basic module L3 top Neutral bottom	ED2233	1STQ008265A0000		1
Basic module Neutral top L3 bottom	ED2241	1STQ008266A0000		1
Basic module false pole for residual current release RC221	ED2373	1STQ008279A0000		1
Basic module false pole for solenoid operator	ED2381	1STQ008280A0000		1
Basic modules ≤ In 250 A, Tmax XT3				
Basic module L1 top	ED2290	1STQ008271A0000		1
Basic module L2 top	ED2308	1STQ008272A0000		1
Basic module L3 top	ED2316	1STQ008273A0000		1
Basic module N top	ED2324	1STQ008274A0000		1
Basic module L1 bottom	ED2332	1STQ008275A0000		1
Basic module L2 bottom	ED2340	1STQ008276A0000		1
Basic module L3 bottom	ED2357	1STQ008277A0000		1
Basic module N bottom	ED2365	1STQ008278A0000		1
Basic module false pole for residual current release RC221	ED2373	1STQ008279A0000		1
Accessories				
Basic module false pole for DDA	ED2845	1STQ008283A0000		1
Basic module false pole for modular MDRC	ED2852	1STQ008284A0000		1
No. 2 IP20 covers (for ED2183-ED2191), width 173mm (10 DIN modules)	ED2407	1STQ008282A0000		2
No. 6 duct supports 40 x 60mm (only for modular apparatus)	ED2936	1STQ008285A0000		6
Spare parts				
No. 10 terminal covers for Tmax XT1	ED0001	1STQ008259A0000		10
No. 10 terminal covers for Tmax XT3	ED0003	1STQ008261A0000		10
No. 10 terminal covers for S200/F200	ED0004	1STQ008262A0000		10

ED2217-ED2225
ED2233-ED2241
ED2258-ED2266
ED2274-ED2282
ED2332-ED2340
ED2357-ED2365

ED0001
ED0002
ED0003

ED2290-ED2308
ED2316-ED2324

ED2373

ED2381
ED2399

ED2407

ED2936

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System pro E® energy Combi
System Unifix, technical data

Technical characteristics	Unifix H	Unifix L
Unifix systems		
Rated service voltage (U_e)	690 V AC	400 V AC
Rated insulation voltage (U_i)	1000 V AC	500 V AC
Rated impulse withstand voltage (U_{imp})	8 kV	6 kV
Rated frequency	50/60 Hz	50/60 Hz
Rated current (I_n) central power supply lateral power supply	400 A	100 A
	320 A	80 A
Rated short-time withstand current (I_{cw})	25 kA	-
Maximum peak current (I_{pk})	52,5 kA - 400 V	-
Maximum installable circuit-breaker size	250 A	100 A
Conditioned short-circuit current (I_{cc}) Tmax XT1	50 kA - 400 V	-
Tmax XT3	50 kA - 400 V	-
With circuit-breaker		
S200	-	6 kA - 400 V
S200M	-	10 kA - 400 V
S200P	-	25 kA - 400 V
Degree of protection	IP20 with accessory	IP20
Characteristics of the insulating material	Self-extinguishing thermoplastic V1 (UL94)	Self-extinguishing thermoplastic V1 (UL94)
Characteristics of the conductor material	Electrolytic copper	Electrolytic copper
Width (No. modules/mm)	24/600 36/800	12/400 24/600 36/800
Installation of Unifix system		
Frame for Tmax XT series 300 x 600mm (H x L)	ED2183	-
300 x 800mm (H x L)	ED2191	-
Fixing brackets Height 300mm	AD1097	-
Crosspiece for direct connection to the rear busbars with shaped section with PB0803 Width 600mm	TL1000	-
Width 800mm	TL1100	-
Busbar 4P 12 mod.	-	ED2993
18 mod.	-	ED3009
24 mod.	-	ED3017
36 mod.	-	ED3025
Busbar 4P	-	
12 mod.	-	ED2944
18 mod.	-	ED2951
24 mod.	-	ED2969
36 mod.	-	ED2977
Fixing support	-	
24 mod.	-	GD1520
36 mod.	-	GD1530

[1] Select circuit-breakers in version with front terminals for copper cables.

System pro E® energy Combi
System Unifix, selecting table

Series of circuit-breakers	Unifix H		Unifix L
Unifix systems			
Table for selecting connections according to the circuit-breaker			
SN201	(top power supply)		
DS941	ED2654 L1/N 40 A	-	ED3272 L1/N 40 A
	ED2662 L2/N 40 A	-	ED3280 L2/N 40 A
	ED2670 L3/N 40 A	-	ED3298 L3/N 40 A
S200 - DS200	(top power supply)	(bottom power supply)	
F200 up to 63A (Unifix L)	ED2531 L1 63A	ED2572 L1 63A	ED3033 L1 100A
	ED2549 L2 63A	ED2590 L2 63A	ED3041 L2 100A
	ED2556 L3 63A	ED2598 L3 63A	ED3058 L3 100A
	ED2564 N 63A	ED2606 N 63A	ED3066 N 100A
	ED2845 False pole module	-	-
S800	(top power supply)		
	ED2557 L1 ≤32A	-	-
	ED2558 L2 ≤32A	-	-
	ED2559 L3 ≤32A	-	-
	ED2560 N ≤32A	-	-
	ED2551 L1 125A	-	-
	ED2552 L2 125A	-	-
	ED2553 L3 125A	-	-
	ED2554 N 125A	-	-
	ED2550 False pole module	-	-
S280 (80-100A)	(top power supply)		
E200 up to 100A - RS370 - F200 80/100A (Unifix H)	ED2720 L1 100A	-	ED3132 pow. supply L1/L2/L3/N - 350mm
	ED2738 L2 100A	-	ED0026 pow. supply L1/L2/L3/N - 1500mm
	ED2746 L3 100A	-	ED0025 pow. supply L1/L2/L3/N - 2500mm
	ED2753 N 100A	-	
MDRC - Various apparatus	(top power supply)	(bottom power supply)	
	ED2894 L1/N 16A	ED2910 L1/N 16A	ED3108 pow. supply 2 cables L1/N 16A
	ED2902 L1/L2 16A	ED2928 L1/L2 16A	ED3116 pow. supply 3 cables L1/L2/L3 16A
	-	-	ED3124 pow. supply 4 cables L1/L2/L3/N 16A
	-	-	ED3355 pow. supply 2 cables L1/N 40A
	-	-	ED3363 pow. supply 3 cables L1/L2/L3 40A
	-	-	ED3371 pow. supply 4 cables L1/L2/L3/N 71A
Circuit-breaker	(top/bottom power supply)	-	-
Tmax XT1	ED2217 L1 Top/L2 Bottom	-	-
	ED2225 L2 Top/L1 Bottom	-	-
	ED2233 L3 Top/N Bottom	-	-
Residual current	ED2241 N Top/L3 Bottom	-	-
Selenoid operator	ED2373 False pole module	-	-
	ED2381 False pole module	-	-
Circuit-breaker	(top power supply)	(bottom power supply)	-
Tmax XT3	ED2290 L1	ED2332 L1	-
	ED2308 L2	ED2340 L2	-
Residual current	ED2316 L3	ED2357 L3	-
	ED2324 N	ED2365 N	-
	ED2373 False pole module	-	-

[1] Select circuit-breakers in version with front terminals for copper cables.

05

System pro E® energy Combi
Uniclic plug-in distribution system, overview

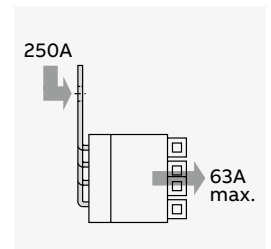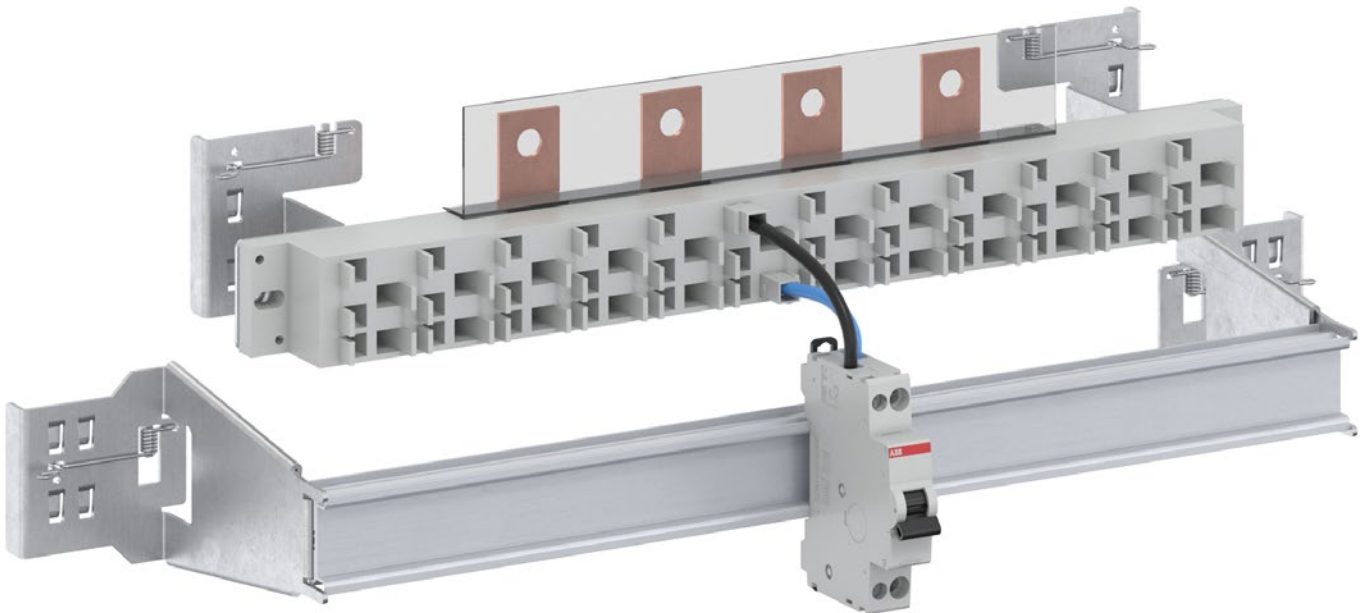**Uniclic plug-in distribution system**

Uniclic is a secondary plug-in distribution system of 250A, 660V~ 60kA peak. Uniclic is a busbar for modular devices such as MCBs as for comfort functions.
Uniclic can be positioned between the DIN-rails, independent the type of system enclosure: System pro E energy, TwinLine N, System pro E power and others.

The main advantage of Uniclic is the safety aspect (IP20): adding or removing electrical circuits in a panel board

without disconnecting the power. All outgoing circuits stay in the operational function, due to the fact that all operations are done using the insulated click connection, without touching the life parts, not even when using an insulated tool.

The Uniclic distribution system is suitable for integration in all system enclosures conform to IEC 60439-1.

CLICK

250A

63A max.

System pro E® energy Combi
Uniclic plug-in distribution system
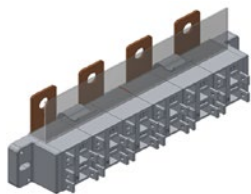
Material:
- Connecting Lugs, copper, uncoated
- Housing / Body, PC+PU resin, grey
- Protective Profile, PVC, clear
- Nominal Voltage, 400 V
- Nominal Current, 250 A
- I_{cw} (1 sec.) 10kA / I_{pk} 61kA
- Degree of protection IP20

Additional information			Order details			
Width	Dimensions (mm) L×W×H	Description	Type code	Order code	Price	Pcs.
UNICLIC_block 24 modules 3P+2N	422×40×50	Uniclic 250A 36-24	Uniclic 250A 36-24	2CDL701001R0250		1
UNICLIC_block 36 modules 3P+2N	616×40×50	Uniclic 250A 54-36	Uniclic 250A 54-36	2CDL701001R2250		1

**Material:**
- brackets, sheet steel, 2 mm

Additional information		Order details			
	Description	Type code	Order code	Price	Pcs.
Mounting brackets for UNICLIC_block	Bracket for Moduclic 600/800	QAMB000P2	1SZE980160B0250		1
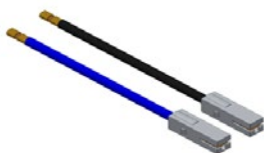
Material:
- Connector plug with cable
- Body of the connector, PC, grey
- Contact connector, bronze, uncoated
- Cable Identivication, H07V-K,
- Nominal current, 6mm² (40 A), 10mm² (63 A)
- Nominal Voltage 450/750 V
- Cable lug, End sleeve, Brass pressed
- Cable length 120 mm & 320 mm

Additional information				Order details			
Description	Cables	Cable section (mm²)	Cable length	Type code	Order code	Price	Pcs.
Cable with stripped end	10 black cables	6	120	Uniclic-CW 6/120	2CDL701302R0120		1
	10 blue cables	6	120	Uniclic-CW 6/120 N	2CDL701301R0120		1
	10 black cables	10	120	Uniclic-CW 10/120	2CDL701302R1120		1
	10 black cables	10	120	Uniclic-CW 10/120 N	2CDL701301R1120		1
Cable with stripped end	10 black cables	6	320	Uniclic-CW 6/320	2CDL701302R0320		1
	10 blue cables	6	320	Uniclic-CW 6/320 N	2CDL701301R0320		1
	10 black cables	10	320	Uniclic CW 10/320	2CDL701302R1320		1
	10 black cables	10	320	Uniclic-CW 10/320 N	2CDL701301R1320		1
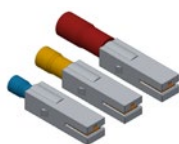
| Additional information	Order details			
Description	Type code	Order code	Price	Pcs.
Plugs				
Connector with insulated crimp, 1.5-2.5 mm²	Uniclic CP 2	2CDL701001R1002		1
Connector with insulated crimp, 4-6 mm²	Uniclic CP 6	2CDL701001R1006		1
Connector with insulated crimp, 6-10 mm²	Uniclic CP 10	2CDL701001R1010		1

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System pro E® energy Combi

Mounting of Uniclic

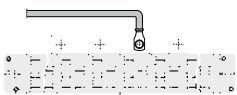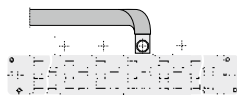**On DIN-rail (step = 200 mm)**
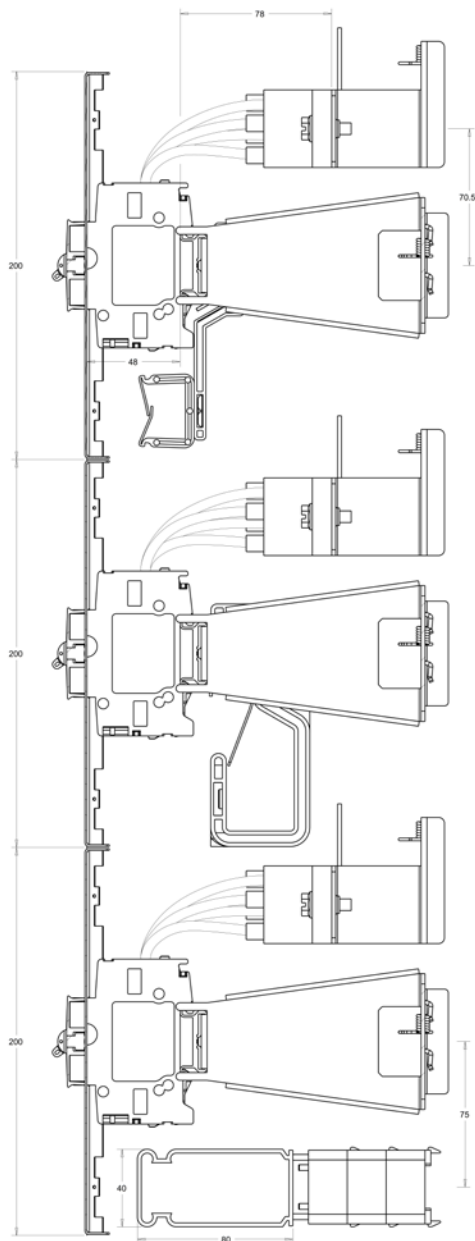
Direct on busbar (step = 200 mm)
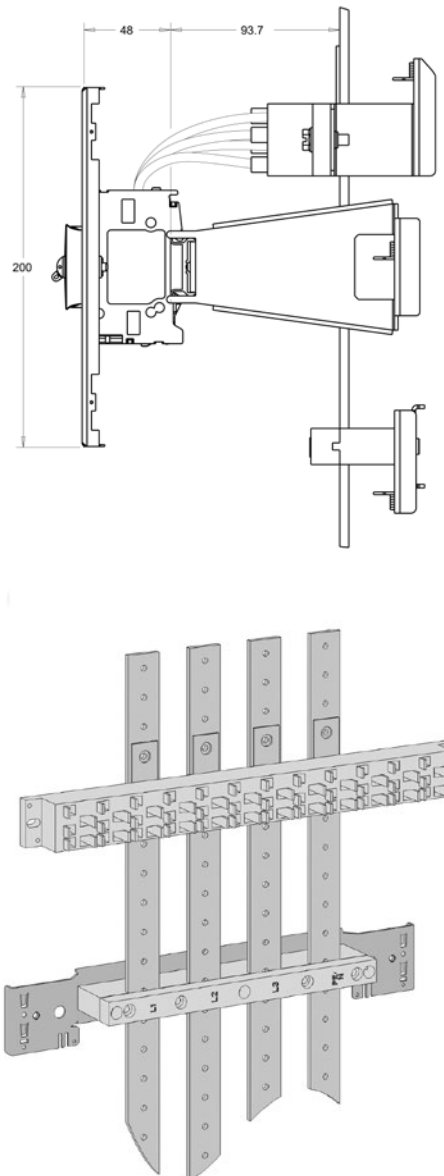
Incoming connections
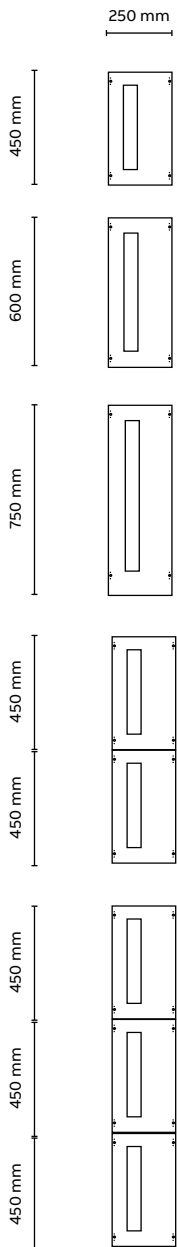

Cable max. 70 mm² – 170 A

Flexibar 3 × 20 × 1 – 250 A

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Notes

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System pro E® energy Combi
Planning aid SMISSLINE TP 125 A

250 mm

450 mm

600 mm

750 mm

450 mm
450 mm

450 mm
450 mm
450 mm

Modules for the cabinets	Panel width	Panel height	Socket base length	
Type			SU	Pieces
1x QXEV44501	400 mm	450 mm	22 SU	1
				1
1x QXEV46001	400 mm	600 mm	30 SU	1
				1
1X QXEV47501	400 mm	750 mm	38 SU	1
				1
2x QXEV44501	400 mm	900 mm	46 SU	1
				1
3x QXEV44501	400 mm	1350 mm	46 SU	1
				1

Planning note
When positioning incoming terminal blocks under cover joints, use the lower terminal blocks
ZLS228 or ZLS229.
Vertical

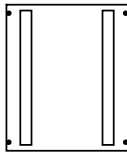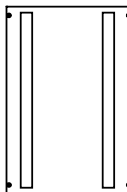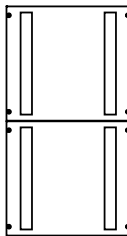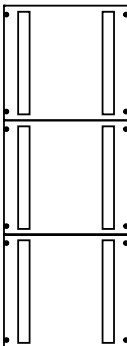| Socket base starter kit				Socket base in individual parts	
Type	Order code	Pieces	Space units	Type	Order code
ZLS905E22-3L	2CCA183102R0001	2	8	ZLS908	2CCA183030R0001
		1	6	ZLS906	2CCA183035R0001
		1		ZLS920 (End part)	2CCA183017R0001
ZLS905E22-3LN*	2CCA183103R0001	3/4*		ZLS201E22 (Cu bus bar)	2CCF800169R0001
ZLS905E30-3L	2CCA183110R0001	3	8	ZLS908	2CCA183030R0001
		1	6	ZLS906	2CCA183035R0001
		1		ZLS920 (End part)	2CCA183017R0001
ZLS905E30-3LN*	2CCA183111R0001	3/4*		ZLS201E38 (Cu bus bar)	2CCF800173R0001
ZLS905E38-3L	2CCA183118R0001	4	8	ZLS908	2CCA183030R0001
		1	6	ZLS906	2CCA183035R0001
		1		ZLS920 (End part)	2CCA183017R0001
ZLS905E38-3LN*	2CCA183119R0001	3/4*		ZLS201E46 (Cu bus bar)	2CCF800177R0001
ZLS905E46-3L	2CCA183126R0001	5	8	ZLS908	2CCA183030R0001
		1	6	ZLS906	2CCA183035R0001
		1		ZLS920 (End part)	2CCA183017R0001
ZLS905E46-3LN*	2CCA183127R0001	3/4*		ZLS201E54 (Cu bus bar)	
ZLS905E46-3L	2CCA183126R0001	9	8	ZLS908	2CCA183030R0001
		1		ZLS920 (End part)	2CCA183017R0001
ZLS905E46-3LN*	2CCA183127R0001	3/4*		ZLS201E72 (Cu bus bar)	2CCF800190R0001
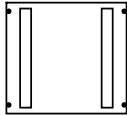
* For version with N (4-pole)

05

Planning note
Additional starter kit with AB-bus bar on demand.

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System pro E® energy Combi
Planning aid SMISSLINE TP 125 A

Modules for the cabinets	Panel width	Panel height	Socket base length	
Type			SU	Pieces
1x QXEV64501	600 mm	450 mm	2 x 22 SU	2
1x QXEV84501	800 mm			2
1x QXEV66001	600 mm	600 mm	2 x 30 SU	2
1x QXEV86001	800 mm			2
1X QXEV67501	600 mm	750 mm	2 x 38 SU	2
1X QXEV87501	800 mm			2
2x QXEV44501	600 mm	900 mm	2 x 46 SU	2
2x QXEV84501	800 mm			2
3x QXEV64501	600 mm	1350 mm	2 x 72 SU	2
3x QXEV84501	800 mm			2

Planning note
When positioning incoming terminal blocks under cover joints, use the lower terminal blocks
ZLS228 or ZLS229.
Vertical

| Socket base starter kit		Pieces	Space units	Socket base in individual parts	
Type	Order code			Type	Order code
ZLS905E22-3L	2CCA183102R0001	4	8	ZLS908	2CCA183030R0001
		2	6	ZLS906	2CCA183035R0001
		2	-	ZLS920 (End part)	2CCA183017R0001
ZLS905E22-3LN*	2CCA183103R0001	6/8*	-	ZLS201E22 (Cu bus bar)	2CCF800169R0001
ZLS905E30-3L	2CCA183110R0001	6	8	ZLS908	2CCA183030R0001
		2	6	ZLS906	2CCA183035R0001
		2	-	ZLS920 (End part)	2CCA183017R0001
ZLS905E30-3LN*	2CCA183111R0001	6/8*	-	ZLS201E38 (Cu bus bar)	2CCF800173R0001
ZLS905E38-3L	2CCA183118R0001	8	8	ZLS908	2CCA183030R0001
		2	6	ZLS906	2CCA183035R0001
		2	-	ZLS920 (End part)	2CCA183017R0001
ZLS905E38-3LN*	2CCA183119R0001	6/8*	-	ZLS201E54 (Cu bus bar)	
ZLS905E46-3L	2CCA183126R0001	10	8	ZLS908	2CCA183030R0001
		2	6	ZLS906	2CCA183035R0001
		2	-	ZLS920 (end piece)	2CCA183017R0001
ZLS905E46-3LN*	2CCA183127R0001	6/8*	-	ZLS201E46 (copper rail)	2CCF800177R0001
ZLS905E46-3L	2CCA183126R0001	18	8	ZLS908	2CCA183030R0001
		2	-	ZLS920 (End part)	2CCA183017R0001
ZLS905E46-3LN*	2CCA183127R0001	6/8*	-	ZLS201E72 (Cu bus bar)	2CCF800190R0001

* For version with N (4-pole)

05

Planning note
Additional starter kit with AB-bus bar on demand.

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System pro E® energy Combi
Planning aid SMISSLINE TP 250 A

250 mm
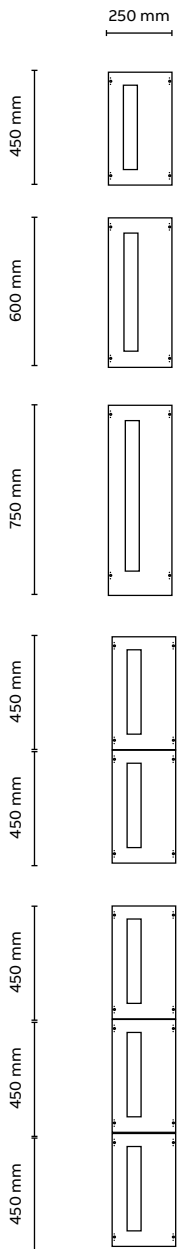
Modules for the cabinets	Panel width	Panel height	Socket base length	
Type			SU	Pieces
1x QXEV44502	400 mm	450 mm	22 SU	
1x QXEV46002	400 mm	600 mm	30 SU	1
				1
1X QXEV47502	400 mm	750 mm	38 SU	1
				1
2x QXEV44502	400 mm	900 mm	46 SU	1
				1
3x QXEV44502	400 mm	1350 mm	72 SU	1
				1

Planning note
When positioning incoming terminal blocks under cover joints, use the lower terminal blocks ZLS228 or ZLS229.
Vertical

| Socket base starter kit		Pieces	Space units	Socket base in individual parts	
Type	Order code			Type	Order code
ZLSP905E30-3L	2CCF212200A0001	3	8	ZLSP908	2CCF212052A0001
		1	6	ZLSP906	2CCF212053A0001
		1		ZLSP920 (End part)	2CCF212082A0001 Sockel
ZLSP905E30-3LN*	2CCF212300A0001	3/4*		ZLSP1 250E30	2CCF212100M0030
ZLSP905E38-3L	2CCF212204A0001	4	8	ZLSP908	2CCF212052A0001
		1	6	ZLSP906	2CCF212053A0001
		1		ZLSP920 (End part)	2CCF212082A0001 Sockel
ZLSP905E38-3LN*	2CCF212304A0001	3/4*		ZLSP1 250E38	2CCF212100M0038
ZLSP905E46-3L	2CCA183126R0001	5	8	ZLSP908	2CCF212052A0001
		1	6	ZLSP906	2CCF212053A0001
		1		ZLSP920 (End part)	2CCF212082A0001 Sockel
ZLSP905E46-3LN*	2CCA183127R0001	3/4*		ZLSP1 250E46	2CCF212100M0046
ZLSP905E46-3L	2CCA183126R0001	9	8	ZLSP908	2CCF212052A0001
				ZLSP906	2CCF212053A0001
		1		ZLSP920 (End part)	2CCF212082A0001 Sockel
ZLSP905E46-3LN*	2CCA183127R0001	3/4*		ZLSP1 250E72	2CCF212100M0072

* For version with N (4-pole)

Planning note
Additional starter kit with AB-bus bar on demand.

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System pro E® energy Combi
Planning aid SMISSLINE TP 250 A
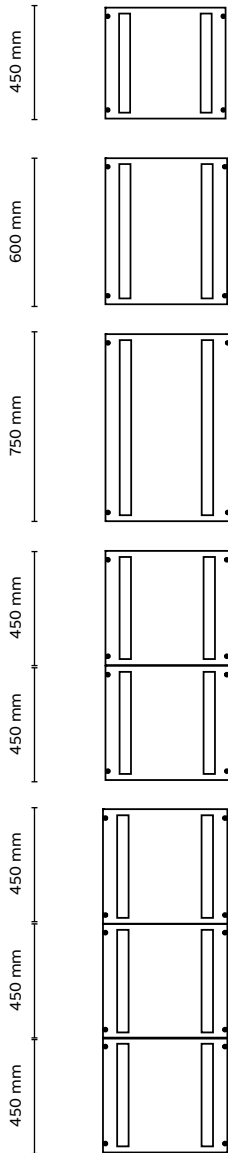
Modules for the cabinets	Panel width	Panel height	Socket base length	
Type			SU	Pieces
1x QXEV64502	600 mm	450 mm	2x 22 SU	
1x QXEV84502	800 mm			
1x QXEV66002	600 mm	600 mm	2x 30 SU	2
1x QXEV86002	800 mm			2
1X QXEV67502	600 mm	750 mm	2x 38 SU	2
1x QXEV87502	800 mm			2
2x QXEV64502	600 mm	900 mm	2x 46 SU	2
2x QXEV84502	800 mm			2
3x QXEV64502	600 mm	1350 mm	2x 72 SU	2
3x QXEV84502	800 mm			2

Planning note
When positioning incoming terminal blocks under cover joints, use the lower terminal blocks ZLS228 or ZLS229.
Vertical

Socket base starter kit		Pieces	Space units	Socket base in individual parts	
Type	Order code			Type	Order code
ZLSP905E30-3L	2CCA183110R0001	6	8	ZLSP908	2CCF212052A0001
		2	6	ZLSP906	2CCF212053A0001
		2		ZLSP920 (End part)	2CCF212082A0001 Sockel
		6/8*		ZLSP1 250E30	2CCF212100M0030
ZLSP905E38-3L	2CCA183118R0001	8	8	ZLSP908	2CCF212052A0001
		2	6	ZLSP906	2CCF212053A0001
		2		ZLSP920 (End part)	2CCF212082A0001 Sockel
ZLSP905E38-3LN*	2CCA183119R0001	6/8*		ZLSP1 250E38	2CCF212100M0038
ZLSP905E46-3L	2CCA183126R0001	10	8	ZLSP908	2CCF212052A0001
		2	6	ZLSP906	2CCF212053A0001
		2		ZLSP920 (End part)	2CCF212082A0001 Sockel
ZLSP905E46-3LN*	2CCA183127R0001	6/8*		ZLSP1 250E46	2CCF212100M0046
ZLSP905E46-3L	2CCA183126R0001	18	8	ZLSP908	2CCF212052A0001
				ZLSP906	2CCF212053A0001
		2		ZLSP920 (End part)	2CCF212082A0001 Sockel
ZLSP905E46-3LN*	2CCA183127R0001	6/8*		ZLSP1 250E72	2CCF212100M0072

* For version with N (4-pole)

Planning note
Additional starter kit with AB-bus bar on demand.
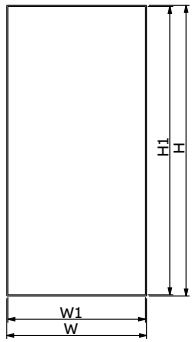
06

Technical specifications & drawings

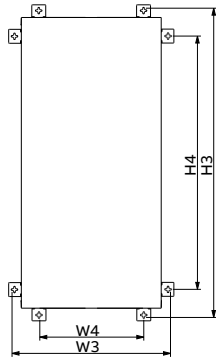# Technical specifications & drawings

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System pro E® energy L
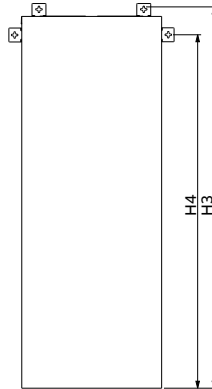Dimensions of cabinets

Front view
Wall-mounting and
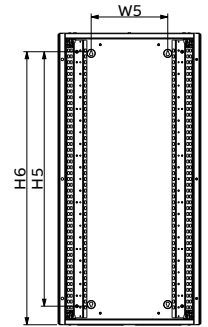floor-standing cabinet
External/internal dimensions

Front view
Wall-mounting cabinet
Wall fastening dimensions

Front view
Floor-standing cabinet
Wall fastening dimensions

Front view
External fastening
Detail

Dimensions up to
the drilling point
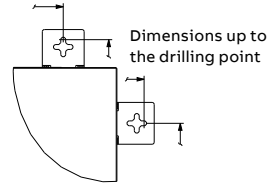
Cabinet			External dimensions			Wall fastening dimensions						
H	W	D	H1	W1	D1	H3	W3	H4	W4	W5	H5	H6
600	400	250	649	385	250	731	466	490	235	112	490	570
800	400	250	849	385	250	931	466	690	235	112	690	770
1000	400	250	1049	385	250	1131	466	890	235	112	890	970
1200	400	250	1249	385	250	1331	466	1090	235	112	1090	1170
1400	400	250	1449	385	250	1531	466	1290	235	112	1290	1370
1600	400	250	1649	385	250	1731	466	1490	235	112	1490	1570
1800	400	250	1849	385	250	1931	466	1690	235	112	1690	1770
2000	400	250	2049	385	250	2131	466	1890	235	112	1890	1970
600	600	250	649	600	250	731	682	490	451	328	490	570
800	600	250	849	600	250	931	682	690	451	328	690	770
1000	600	250	1049	600	250	1131	682	890	451	328	890	970
1200	600	250	1249	600	250	1331	682	1090	451	328	1090	1170
1400	600	250	1449	600	250	1531	682	1290	451	328	1290	1370
1600	600	250	1649	600	250	1731	682	1490	451	328	1490	1570
1800	600	250	1849	600	250	1931	682	1690	451	328	1690	1770
2000	600	250	2049	600	250	2131	682	1890	451	328	1890	1970
600	800	250	649	817	250	731	898	490	667	544	490	570
800	800	250	849	817	250	931	898	690	667	544	690	770
1000	800	250	1049	817	250	1131	898	890	667	544	890	970
1200	800	250	1249	817	250	1331	898	1090	667	544	1090	1170
1400	800	250	1449	817	250	1531	898	1290	667	544	1290	1370
1600	800	250	1649	817	250	1731	898	1490	667	544	1490	1570
1800	800	250	1849	817	250	1931	898	1690	667	544	1690	1770
2000	800	250	2049	817	250	2131	898	1890	667	544	1890	1970

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System pro E® energy M
Dimensions of cabinets

Front view
Wall-mounting and
floor-standing cabinet
External/internal dimensions

Front view
Wall-mounting cabinet
Wall fastening dimensions

Front view
Floor-standing cabinet
Wall fastening dimensions

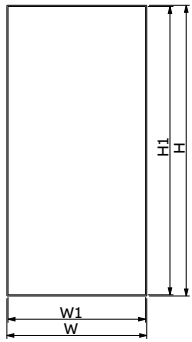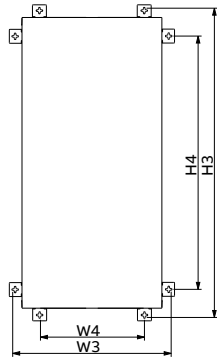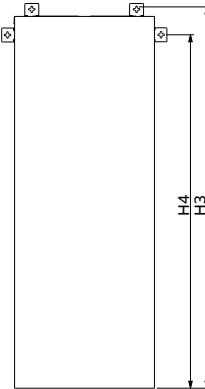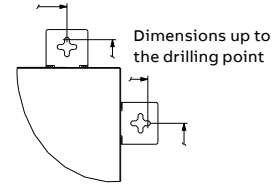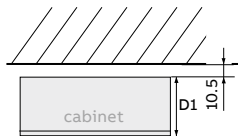**Front view**
External fastening
Detail

Dimensions up to
the drilling point

Cabinet			External dimensions			Wall fastening dimensions			
H	W	D	H1	W1	D1	H3	W3	H4	W4
600	400	250	649	396	250	731	478	490	235
800	400	250	849	396	250	931	478	690	235
1000	400	250	1049	396	250	1131	478	890	235
1200	400	250	1249	396	250	1331	478	1090	235
1400	400	250	1449	396	250	1531	478	1290	235
1600	400	250	1649	396	250	1731	478	1490	235
1800	400	250	1849	396	250	1931	478	1690	235
2000	400	250	2049	396	250	2131	478	1890	235
600	600	250	649	612	250	731	694	490	451
800	600	250	849	612	250	931	694	690	451
1000	600	250	1049	612	250	1131	694	890	451
1200	600	250	1249	612	250	1331	694	1090	451
1400	600	250	1449	612	250	1531	694	1290	451
1600	600	250	1649	612	250	1731	694	1490	451
1800	600	250	1849	612	250	1931	694	1690	451
2000	600	250	2049	612	250	2131	694	1890	451
600	800	250	649	828	250	731	910	490	667
800	800	250	849	828	250	931	910	690	667
1000	800	250	1049	828	250	1131	910	890	667
1200	800	250	1249	828	250	1331	910	1090	667
1400	800	250	1449	828	250	1531	910	1290	667
1600	800	250	1649	828	250	1731	910	1490	667
1800	800	250	1849	828	250	1931	910	1690	667
2000	800	250	2049	828	250	2131	910	1890	667

System pro E® energy L
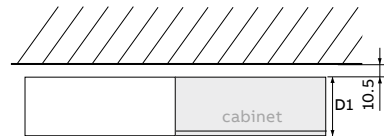Power loss and weights of cabinets

Type of installation
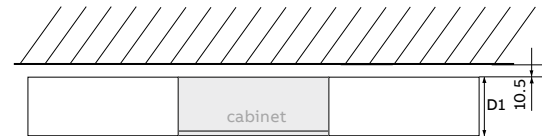Separate cabinet wall mounted

Type of installation
First or last cabinet wall mounted
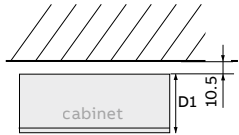
Type of installation
Central cabinet wall mounted

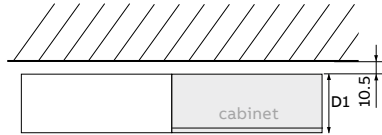| Cabinet types Height×Width×Depth in mm	Power loss in Watt												Cabinet weight in kg		Max. installation weight in kg
	Separate cabinet wall mounted				First or last cabinet wall mounted				Central cabinet wall mounted						
	25 °C	30 °C	35 °C	40 °C	25 °C	30 °C	35 °C	40 °C	25 °C	30 °C	35 °C	40 °C	With door	Without door	
600×400×250	31	45	59	74	33	47	62	77	30	44	57	72	19.4	14.3	15
800×400×250	38	55	72	91	40	57	76	95	37	53	70	88	23.8	17.6	20
1000×400×250	45	65	86	107	47	68	90	113	44	63	83	104	28.3	21	31
1200×400×250	38	55	72	91	40	58	76	95	37	53	70	87	32.8	24.4	37
1400×400×250	45	64	85	106	47	67	88	111	43	62	82	103	37.7	28.2	43
1600×400×250	51	73	97	121	54	77	102	128	49	70	93	116	42.1	31.5	48
1800×400×250	59	85	112	140	63	89	118	148	56	80	106	133	46.8	35.1	60
2000×400×250	67	96	126	158	71	101	134	168	64	91	121	151	51.5	38.7	72
600×600×250	42	60	80	100	40	57	75	94	37	51	71	89	24.4	17.4	30
800×600×250	51	72	95	120	48	68	90	113	44	64	84	105	29.8	21.2	40
1000×600×250	49	69	91	115	45	65	85	107	43	62	82	103	35.4	25.3	63
1200×600×250	55	78	103	130	52	74	97	122	49	71	94	117	40.7	29.1	75
1400×600×250	62	88	116	146	57	81	107	135	53	76	100	126	46.5	33.4	85
1600×600×250	71	102	135	169	66	95	125	157	62	89	117	147	51.9	37.2	95
1800×600×250	84	119	158	198	76	109	144	181	71	101	134	168	57.6	41.4	120
2000×600×250	94	134	176	221	87	125	165	207	81	116	153	191	63.2	45.4	130
600×800×250	54	77	102	128	52	74	97	122	49	70	92	116	29.9	21.1	45
800×800×250	55	79	104	130	53	75	99	125	51	73	97	121	36.2	25.4	61
1000×800×250	64	92	121	152	61	87	115	144	59	85	112	140	42.9	30	95
1200×800×250	75	107	142	178	71	102	135	169	68	98	129	162	49.3	34.4	112
1400×800×250	88	126	166	208	82	117	155	194	78	111	147	184	56.1	39.2	129
1600×800×250	98	141	186	233	93	133	176	221	89	128	169	212	62.5	43.5	145
1800×800×250	107	153	201	253	101	145	191	240	96	138	182	229	69.2	48.2	180
2000×800×250	119	170	225	282	113	162	214	268	109	156	206	259	75.7	52.7	195

System pro E® energy M
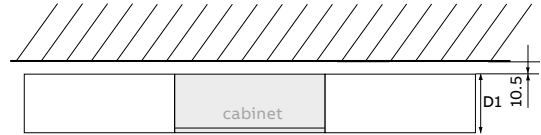### Power loss and weights of cabinets

Type of installation
Separate cabinet wall mounted

Type of installation
First or last cabinet wall mounted
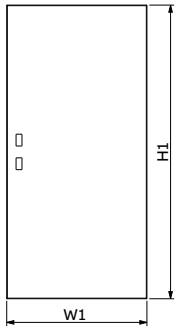
Type of installation
Central cabinet wall mounted

| Cabinet types Height×Width×Depth in mm	Power loss in Watt												Cabinet weight in kg		Max. installation weight in kg
	Separate cabinet wall mounted				First or last cabinet wall mounted				Central cabinet wall mounted						
	25 °C	30 °C	35 °C	40 °C	25 °C	30 °C	35 °C	40 °C	25 °C	30 °C	35 °C	40 °C	With door	Without door	
600×400×250	31	45	59	74	33	47	62	77	30	44	57	72	19.3	14.2	15
800×400×250	38	55	72	91	40	57	76	95	37	53	70	88	23.4	17.2	20
1000×400×250	45	65	86	107	47	68	90	113	44	63	83	104	27.9	20.6	31
1200×400×250	38	55	72	91	40	58	76	95	37	53	70	87	32.4	24	37
1400×400×250	45	64	85	106	47	67	88	111	43	62	82	103	36.9	27.4	43
1600×400×250	51	73	97	121	54	77	102	128	49	70	93	116	41.3	30.7	48
1800×400×250	59	85	112	140	63	89	118	148	56	80	106	133	46.0	34.3	60
2000×400×250	67	96	126	158	71	101	134	168	64	91	121	151	50.3	37.5	72
600×600×250	42	60	80	100	40	57	75	94	37	51	71	89	24.2	17.2	30
800×600×250	51	72	95	120	48	68	90	113	44	64	84	105	29.3	20.7	40
1000×600×250	49	69	91	115	45	65	85	107	43	62	82	103	34.8	24.7	63
1200×600×250	55	78	103	130	52	74	97	122	49	71	94	117	40.1	28.5	75
1400×600×250	62	88	116	146	57	81	107	135	53	76	100	126	45.5	32.4	85
1600×600×250	71	102	135	169	66	95	125	157	62	89	117	147	50.9	36.2	95
1800×600×250	84	119	158	198	76	109	144	181	71	101	134	168	56.9	40.7	120
2000×600×250	94	134	176	221	87	125	165	207	81	116	153	191	61.9	44.1	130
600×800×250	54	77	102	128	52	74	97	122	49	70	92	116	29.4	20.6	45
800×800×250	55	79	104	130	53	75	99	125	51	73	97	121	35.4	24.6	61
1000×800×250	64	92	121	152	61	87	115	144	59	85	112	140	41.9	29	95
1200×800×250	75	107	142	178	71	102	135	169	68	98	129	162	48.3	33.4	112
1400×800×250	88	126	166	208	82	117	155	194	78	111	147	184	54.7	37.8	129
1600×800×250	98	141	186	233	93	133	176	221	89	128	169	212	61.2	42.2	145
1800×800×250	107	153	201	253	101	145	191	240	96	138	182	229	67.7	46.7	180
2000×800×250	119	170	225	282	113	162	214	268	109	156	206	259	74.1	51.1	195

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System pro E® energy L and M

Plain Doors – Dimensions and weights

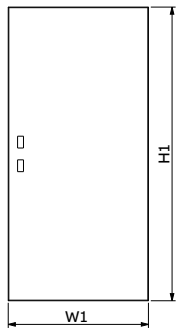**External dimensions**   **Dimensions of usable connection area**
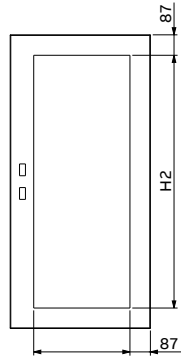
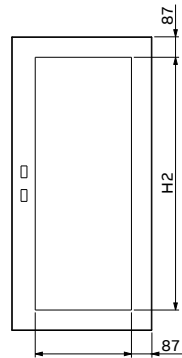| Sheet steel doors	External dimensions Height×Width in mm		Internal dimensions Height×Width in mm		Weight	Max. installation weight
Type	H1	W1	H2	W2	in kg	in kg
Q855D406	642	377	468	190	5.1	5.0
Q855D408	842	377	668	190	6.2	5.0
Q855D410	1042	377	868	190	7.3	5.0
Q855D412	1242	377	1068	190	8.4	5.0
Q855D414	1442	377	1268	190	9.5	5.0
Q855D416	1642	377	1468	190	10.6	5.0
Q855D418	1842	377	1668	190	11.7	5.0
Q855D420	2042	377	1868	190	12.8	5.0
Q855D606	642	593	468	406	7.0	5.0
Q855D608	842	593	668	406	8.6	5.0
Q855D610	1042	593	868	406	10.1	5.0
Q855D612	1242	593	1068	406	11.6	5.0
Q855D614	1442	593	1268	406	13.1	5.0
Q855D616	1642	593	1468	406	14.7	5.0
Q855D618	1842	593	1668	406	16.2	5.0
Q855D620	2042	593	1868	406	17.8	5.0
Q855D806	642	809	468	622	8.8	7.5
Q855D808	842	809	668	622	10.8	7.5
Q855D810	1042	809	868	622	12.9	7.5
Q855D812	1242	809	1068	622	14.9	7.5
Q855D814	1442	809	1268	622	16.9	7.5
Q855D816	1642	809	1468	622	19.0	7.5
Q855D818	1842	809	1668	622	21.0	7.5
Q855D820	2042	809	1868	622	23.0	7.5

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System pro E® energy L and M

Transparent Doors – Dimensions and weights
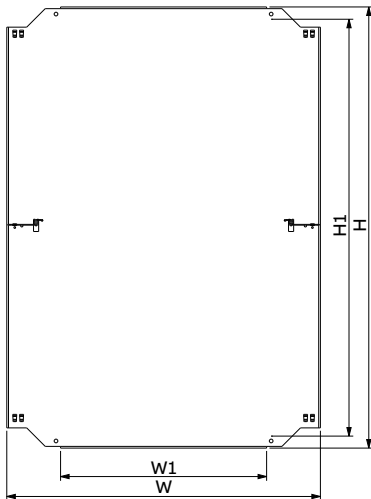
External dimensions

Transparent area

Transparent doors	External dimensions Height×Width in mm		Internal dimensions Height×Width in mm		Weight	Max. installation weight
Type	H1	W1	H2	W2	in kg	in kg
Q855G406	642	377	468	190	5.1	5.0
Q855G408	842	377	668	190	6.2	5.0
Q855G410	1042	377	868	190	7.3	5.0
Q855G412	1242	377	1068	190	8.4	5.0
Q855G414	1442	377	1268	190	9.5	5.0
Q855G416	1642	377	1468	190	10.6	5.0
Q855G418	1842	377	1668	190	11.7	5.0
Q855G420	2042	377	1868	190	12.8	5.0
Q855G606	642	593	468	406	7.0	5.0
Q855G608	842	593	668	406	8.6	5.0
Q855G610	1042	593	868	406	10.1	5.0
Q855G612	1242	593	1068	406	11.6	5.0
Q855G614	1442	593	1268	406	13.1	5.0
Q855G616	1642	593	1468	406	14.7	5.0
Q855G618	1842	593	1668	406	16.2	5.0
Q855G620	2042	593	1868	406	17.8	5.0
Q855G806	642	809	468	622	8.8	7.5
Q855G808	842	809	668	622	10.8	7.5
Q855G810	1042	809	868	622	12.9	7.5
Q855G812	1242	809	1068	622	14.9	7.5
Q855G814	1442	809	1268	622	16.9	7.5
Q855G816	1642	809	1468	622	19.0	7.5
Q855G818	1842	809	1668	622	21.0	7.5
Q855G820	2042	809	1868	622	23.0	7.5

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System pro E® energy L and M
Mounting paltes

**External dimensions / Usable connection area**
Mounting plate

Transparent doors	External dimensions Height×Width in mm		Viewing area Height×Width in mm		Weight
Type	W	W1	H	H1	in kg
QM0403000	335	146	275	235	1.4
QM0601500	551	362	125	85	1.1
QM0602000	551	362	175	135	1.5
QM0602500	551	362	250	185	2.0
QM0603000	551	362	275	235	2.4
QM0604000	551	362	375	335	3.4
QM0605000	551	362	475	435	4.2
QM0606000	551	362	575	535	5.2
QM0608000	551	362	775	735	6.9
QM0609000	551	362	875	835	7.8
QM0610000	551	362	975	935	8.7
QM0801500	767	578	125	85	1.6
QM0802000	767	578	175	135	2.2
QM0802500	767	578	250	185	2.9
QM0803000	767	578	275	235	3.5
QM0804000	767	578	375	335	4.7
QM0805000	767	578	475	435	5.9
QM0806000	767	578	575	535	7.2
QM0808000	767	578	775	735	9.6
QM0809000	767	578	875	835	10.8
QM0810000	767	578	975	935	12.1

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System pro E® energy L and M
Plinth

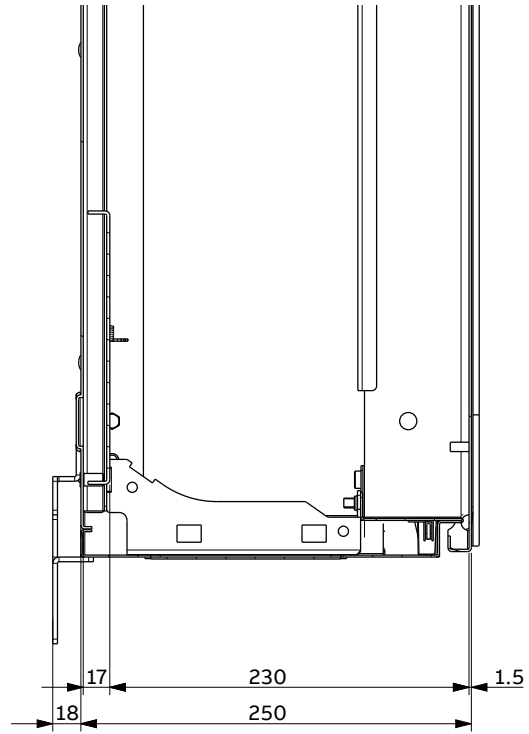**External/internal dimensions**
Plinth

mounting holes for cabinet

wall

mounting holes to the floor

front

06
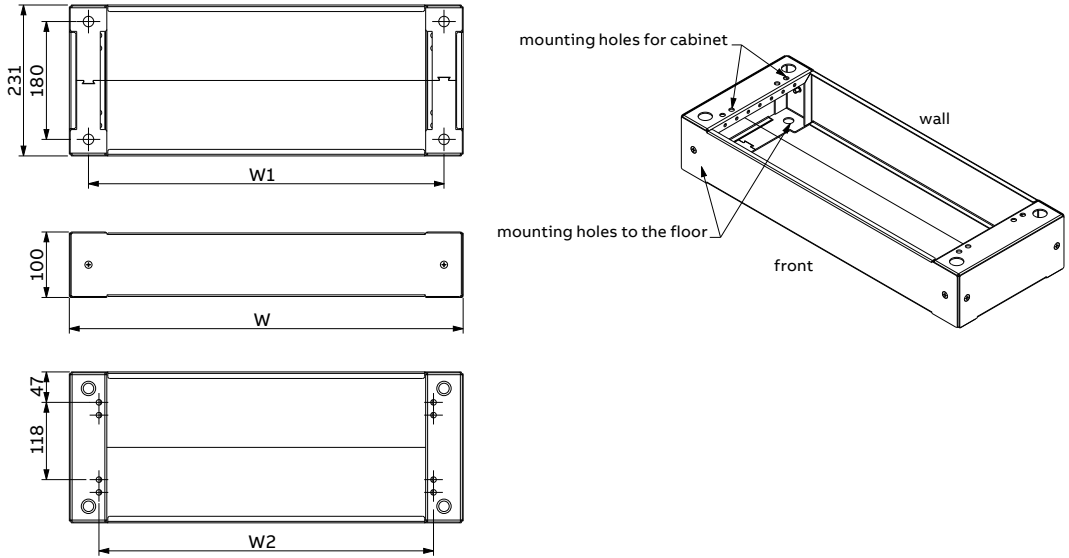
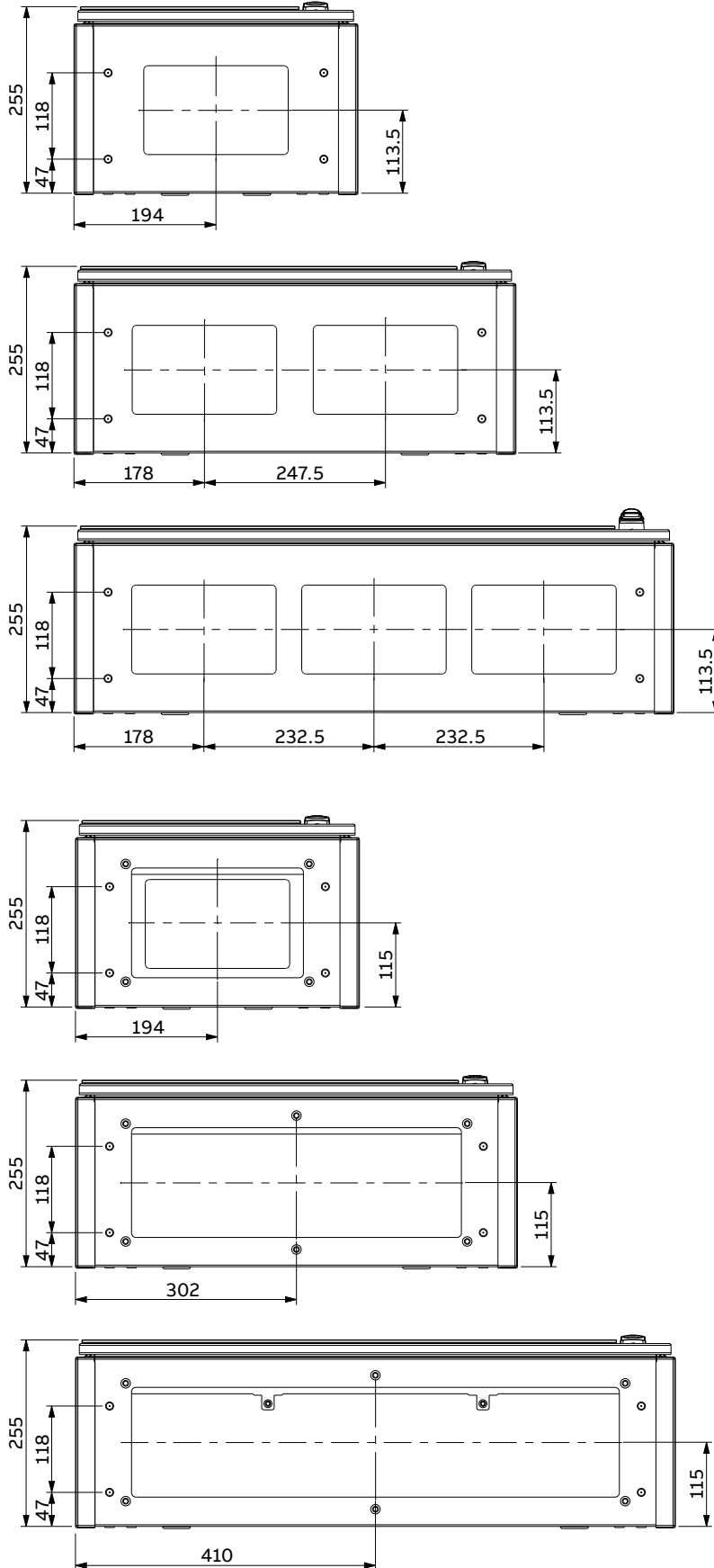| Type	External dimensions Width×Depth in mm		Internal dimensions Width×Depth in mm	Weight
	W	W1	W2	in kg
Q855P401	386	327	295	2.6
Q855P601	602	543	511	3.2
Q855P801	816	759	727	3.6

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System pro E® energy L

Side View

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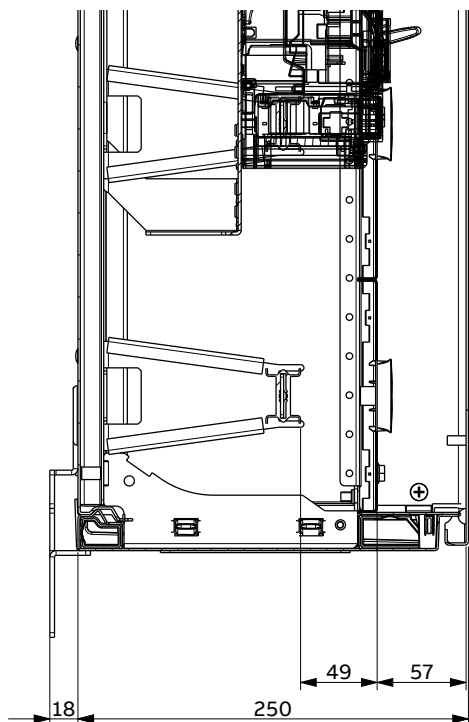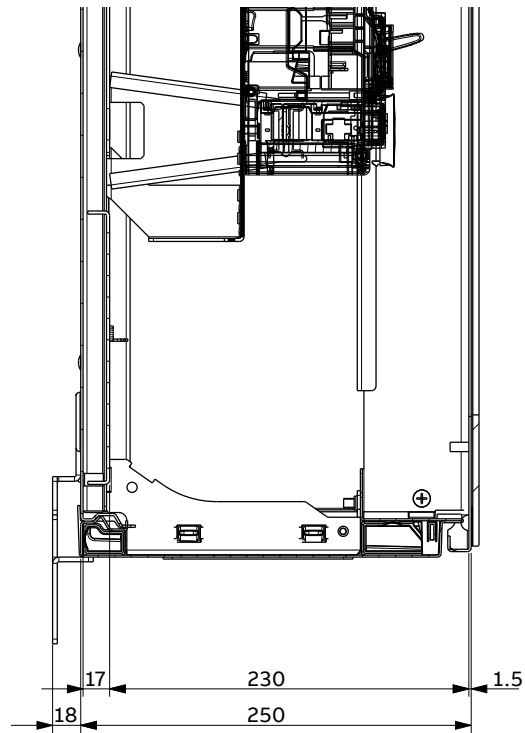
System pro E® energy M

Side View

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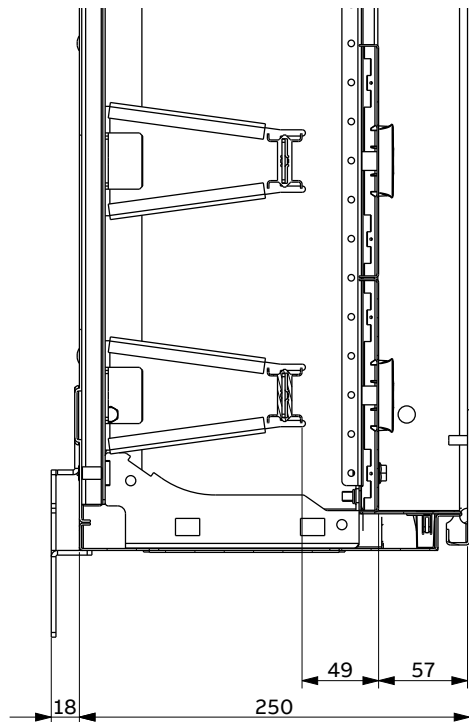
System pro E® energy L
Top and Bottom views

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System pro E® energy M

Top and Bottom views

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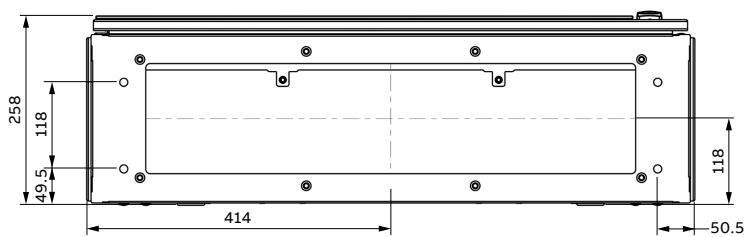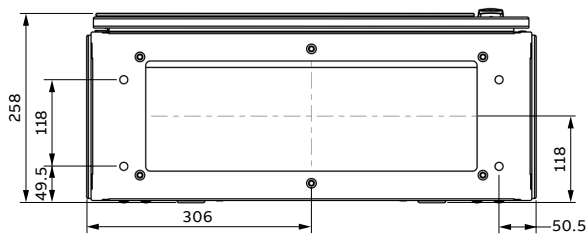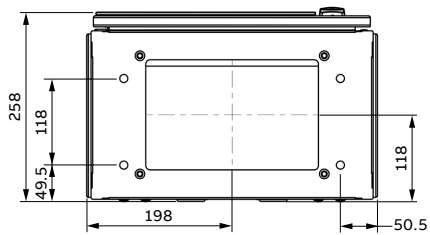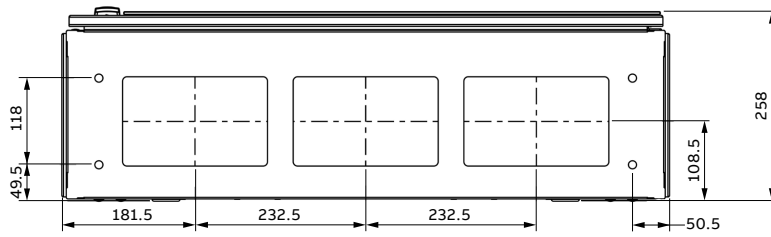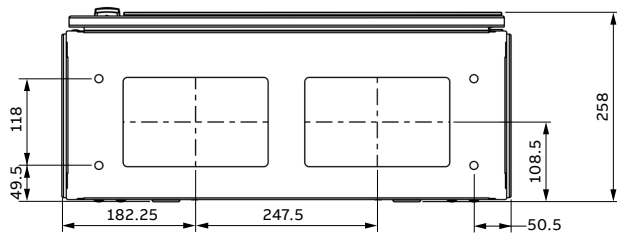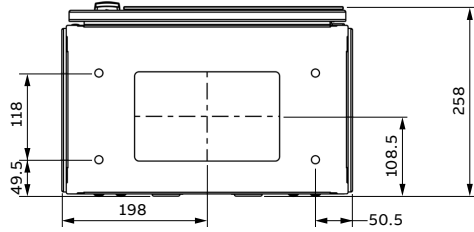
System pro E® energy L and M
Transport by Crane

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Lifting of the System pro E® energy is possible as indicated. Always use the ABB transportation lugs type ESAC3006P4 and for side-by-side structures lifting, use the reinforcement. Also consider the weight limits of the cabinets.

max. 150 kg

max. 180 kg

max. 420 kg
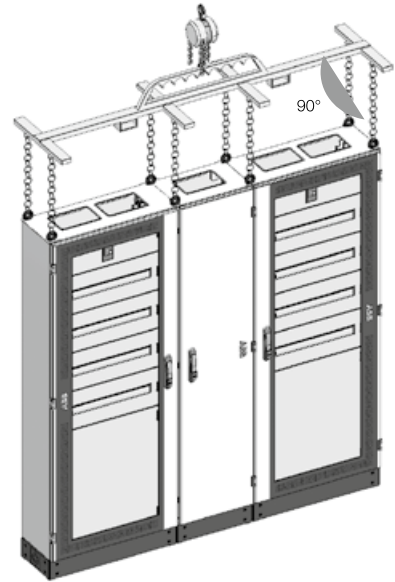
max. cabinet combinations
800 + 400 + 800 mm, wide cabinets

A (1:2)

4

B (1:2)

4,5

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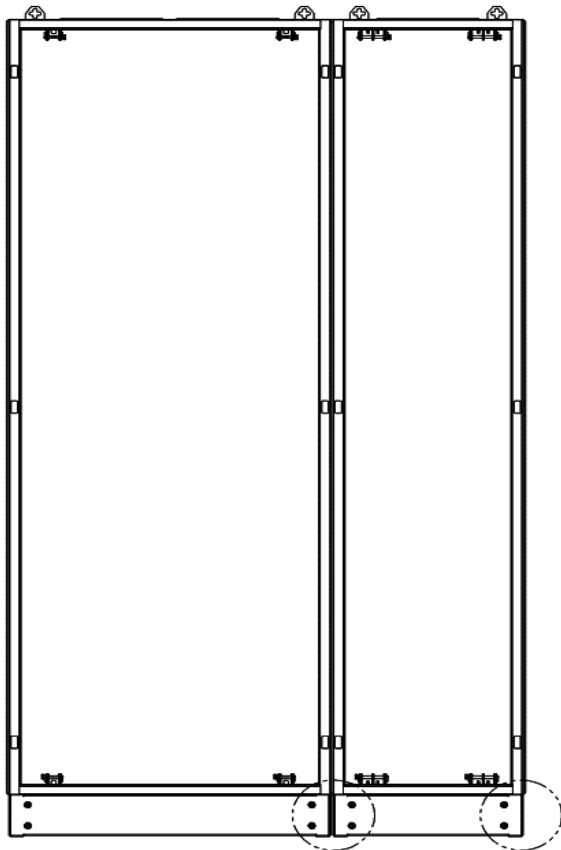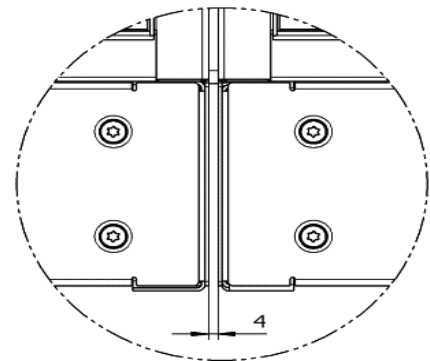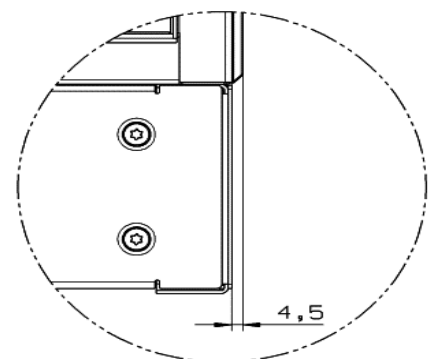
System pro E® energy L and M
Configuration examples
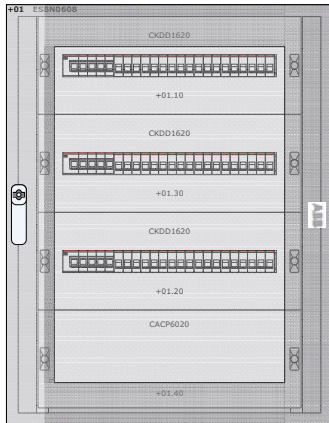
System pro E® energy L - IP43
Panel (800 × 600 × 250 mm)

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinets: Back + Side panels W600 H800	Q843B608	1SZE430800B0100		1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011		1
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014		1
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H800	Q855G608	1SZE990920B0100		1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		3
Cover plain W600 H200	QCC062001	1SZE980010B0150		1

System pro E® energy M - IP55
Panel (800 × 600 × 250 mm)

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinet: Monoblock enclosure W600 H800	Q855B608	1SZE550800B0100		1
Side wall System pro E energy M H800	Q855S008	1SZE550801B0020		1
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H800	Q855G608	1SZE990920B0100		1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		3
Cover plain W600 H200	QCC062001	1SZE980010B0150		1

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System pro E® energy L and M
Configuration examples

System pro E® energy L - IP43
Panel (1000 × 600 × 250 mm + 1000 × 400 × 250 mm)
System pro E® Combi with busbar 250 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinets: Back + Side panels W600 H1000	Q843B610	1SZE430800B0110		1
Ext: Back + Coupling profiles W400 H1000	Q843E410	1SZE430801B0030		1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011		1
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014		1
Top & Bottom plain w/ pre-knock-out W400	Q843T411	1SZE430802B0010		2
Flange for 52 entries	TZ101	2CPX010450R9999		2
Flange 1 cable sl. 14-68mm	TZ112	2CPX010852R9999		1
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H1000	Q855G610	1SZE990920B0110		1
Door transparent W400 H1000	Q855G410	1SZE990920B0030		1
Cover plain W600 H50	QCC060501	1SZE980010B0120		1
Meter cover plates 96x96 W600 H150	QCM961500	1SZE980090B0040		1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		3
Cover plain W600 H200	QCC062001	1SZE980010B0150		1
Cover plain W400 H100	QCC041001	1SZE980010B0020		1
Tmax XT3 3/4p Vert W400 H300	QB3V43000	1SZE980040B0030		1
Cover plain W400 H600	QCC046001	1SZE980010B0090		1
Busbar holder V. 200/400 W Flat/Stairc.	QR6V4FS01	1SZE980120B0070		3
No.2 flat busbar 250 A	BR0250			1

System pro E® energy M - IP55
Panel (1000 × 600 × 250 mm + 1000 × 400 × 250 mm)
System pro E® Combi with busbar 250 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinet: Monoblock enclosure W600 H1000	Q855B610	1SZE550800B0110		1
Cabinet: Monoblock enclosure W400 H1000	Q855B410	1SZE550800B0030		1
Side wall System pro E energy M H1000	Q855S010	1SZE550801B0030		1
Cabinet Connection set for Wall IP55	Q855E00W	1SZE550800B0310		1
Flange for 52 entries	TZ101	2CPX010450R9999		2
Flange 1 cable sl. 14-68mm	TZ112	2CPX010852R9999		1
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H1000	Q855G610	1SZE990920B0110		1
Door transparent W400 H1000	Q855G410	1SZE990920B0030		1
Cover plain W600 H50	QCC060501	1SZE980010B0120		1
Meter cover plates 96x96 W600 H150	QCM961500	1SZE980090B0040		1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		3
Cover plain W600 H200	QCC062001	1SZE980010B0150		1
Cover plain W400 H100	QCC041001	1SZE980010B0020		1
Tmax XT3 3/4p Vert W400 H300	QB3V43000	1SZE980040B0030		1
Cover plain W400 H600	QCC046001	1SZE980010B0090		1
Busbar holder V. 200/400 W Flat/Stairc.	QR6V4FS01	1SZE980120B0070		3
No.2 flat busbar 250 A	BR0250			1

System pro E® energy L and M
Configuration examples

System pro E® energy L - IP43
Panel (1000 × 600 × 250 mm + 1000 × 400 × 250 mm+ 100 × 600× 250 mm)
System pro E® Combi with busbar 250 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinets: Back + Side panels W600 H1000	Q843B610	1SZE430800B0110		2
Ext: Back + Coupling profiles W400 H1000	Q843E410	1SZE430801B0030		1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011		2
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014		2
Top & Bottom plain w/ pre-knock-out W400	Q843T411	1SZE430802B0010		2
Flange for 52 entries	TZ101	2CPX010450R9999		4
Flange 1 cable sl. 14-68mm	TZ112	2CPX010852R9999		1
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		2
Door transparent W600 H1000	Q855G610	1SZE990920B0110		2
Door transparent W400 H1000	Q855G410	1SZE990920B0030		1
Cover plain W600 H50	QCC060501	1SZE980010B0120		2
Meter cover plates 96x96 W600 H150	QCM961500	1SZE980090B0040		2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		6
Cover plain W600 H200	QCC062001	1SZE980010B0150		2
Cover plain W400 H100	QCC041001	1SZE980010B0020		1
Tmax XT3 3/4p Vert W400 H300	QB3V43000	1SZE980040B0030		1
Cover plain W400 H600	QCC046001	1SZE980010B0090		1
Busbar holder V. 200/400 W Flat/Stairc.	QR6V4FS01	1SZE980120B0070		3
No.2 flat busbar 250 A	BR0250			1

System pro E® energy M - IP55
Panel (1000 × 600 × 250 mm + 1000 × 400 × 250 mm+ 100 × 600× 250 mm)
System pro E® Combi with busbar 250 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinet: Monoblock enclosure W600 H1000	Q855B610	1SZE550800B0110		2
Cabinet: Monoblock enclosure W400 H1000	Q855B410	1SZE550800B0030		1
Side wall System pro E energy M H1000	Q855S010	1SZE550801B0030		1
Cabinet Connection set for Wall IP55	Q855E00W	1SZE550800B0310		2
Flange for 52 entries	TZ101	2CPX010450R9999		4
Flange 1 cable sl. 14-68mm	TZ112	2CPX010852R9999		1
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		2
Door transparent W600 H1000	Q855G610	1SZE990920B0110		2
Door transparent W400 H1000	Q855G410	1SZE990920B0030		1
Cover plain W600 H50	QCC060501	1SZE980010B0120		2
Meter cover plates 96x96 W600 H150	QCM961500	1SZE980090B0040		2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		6
Cover plain W600 H200	QCC062001	1SZE980010B0150		2
Cover plain W400 H100	QCC041001	1SZE980010B0020		1
Tmax XT3 3/4p Vert W400 H300	QB3V43000	1SZE980040B0030		1
Cover plain W400 H600	QCC046001	1SZE980010B0090		1
Busbar holder V. 200/400 W Flat/Stairc.	QR6V4FS01	1SZE980120B0070		3
No.2 flat busbar 250 A	BR0250			1

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System pro E® energy L and M
Configuration examples

System pro E® energy L - IP43
Panel (1600 × 600 × 250 mm)
System pro E® Combi with busbar 250 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinets: Back + Side panels W600 H1600	Q843B616	1SZE430800B0140		1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011		1
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014		1
Flange for 52 entries	TZ101	2CPX010450R9999		2
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H1600	Q855G616	1SZE990920B0140		1
Plinth 100 mm height W600	Q855P601	1SZE990940B0020		1
Cover plain W600 H50	QCC060501	1SZE980010B0120		1
Meter cover plates 96x96 W600 H150	QCM961500	1SZE980090B0040		1
3 Tmax XT2 3/4p Vert W800 H300	QB2V63003	1SZE980040B0260		1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		3
Cover plain W600 H200	QCC062001	1SZE980010B0150		1
Tmax XT4 3/4p Vert W600 H300	QB4V63000	1SZE980040B0120		1
Cover plain W600 H100	QCC061001	1SZE980010B0130		1
Busbar holder Vert. 600 W Flat/linear	QR6V6FF01	1SZE980120B0030		3
No.2 flat busbar 250 A	BR0250			4

System pro E® energy M - IP55
Panel (1600 × 600 × 250 mm)
System pro E® Combi with busbar 250 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinet: Monoblock enclosure W600 H1600	Q855B616	1SZE550800B0140		1
Side wall System pro E energy M H1600	Q855S016	1SZE550801B0060		1
Flange for 52 entries	TZ101	2CPX010450R9999		2
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H1600	Q855G616	1SZE990920B0140		1
Plinth 100 mm height W600	Q855P601	1SZE990940B0020		1
Cover plain W600 H50	QCC060501	1SZE980010B0120		1
Meter cover plates 96x96 W600 H150	QCM961500	1SZE980090B0040		1
3 Tmax XT2 3/4p Vert W800 H300	QB2V63003	1SZE980040B0260		1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		3
Cover plain W600 H200	QCC062001	1SZE980010B0150		1
Tmax XT4 3/4p Vert W600 H300	QB4V63000	1SZE980040B0120		1
Cover plain W600 H100	QCC061001	1SZE980010B0130		1
Busbar holder Vert. 600 W Flat/linear	QR6V6FF01	1SZE980120B0030		3
No.2 flat busbar 250 A	BR0250			4

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System pro E® energy L and M
Configuration examples

System pro E® energy L - IP43
Panel (1800 × 600 × 250 mm)
System pro E® Combi with busbar 250 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinets: Back + Side panels W600 H1800	Q843B618	1SZE430800B0150		1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011		1
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014		1
Flange for 52 entries	TZ101	2CPX010450R9999		2
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H1800	Q855G618	1SZE990920B0150		1
Plinth 100 mm height W600	Q855P601	1SZE990940B0020		1
Cover plain W600 H200	QCC062001	1SZE980010B0150		1
Tmax XT2 3/4p Hor W600 H200	QB2H62000	1SZE980040B0340		1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		5
Cover plain W600 H400	QCC064001	1SZE980010B0180		1
Busbar holder Vert. 600 W Flat/linear	QR6V6FF01	1SZE980120B0030		4
No.2 flat busbar 250 A	BR0250			4

System pro E® energy M - IP55
Panel (1800 × 600 × 250 mm)
System pro E® Combi with busbar 250 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinet: Monoblock enclosure W600 H1800	Q855B618	1SZE550800B0150		1
Side wall System pro E energy M H1800	Q855S018	1SZE550801B0070		1
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014		1
Flange for 52 entries	TZ101	2CPX010450R9999		2
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H1800	Q855G618	1SZE990920B0150		1
Plinth 100 mm height W600	Q855P601	1SZE990940B0020		1
Cover plain W600 H200	QCC062001	1SZE980010B0150		1
Tmax XT2 3/4p Hor W600 H200	QB2H62000	1SZE980040B0340		1
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		5
Cover plain W600 H400	QCC064001	1SZE980010B0180		1
Busbar holder Vert. 600 W Flat/linear	QR6V6FF01	1SZE980120B0030		4
No.2 flat busbar 250 A	BR0250			4

System pro E® energy L and M
Configuration examples

System pro E® energy L - IP43
Panel (1800 × 600 × 250 mm + 1800 × 600 × 250 mm)
System pro E® Combi with busbar 630 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinets: Back + Side panels W600 H1800	Q843B618	1SZE430800B0150		1
Ext: Back + Coupling profiles W600 H1800	Q843E618	1SZE430801B0150		1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011		2
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014		2
Flange for 52 entries	TZ101	2CPX010450R9999		4
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		2
Door transparent W600 H1800	Q855G618	1SZE990920B0150		2
Plinth 100 mm height W600	Q855P601	1SZE990940B0020		1
Cover plain W600 H200	QCC062001	1SZE980010B0150		2
Tmax XT2 3/4p Hor W600 H200	QB2H62000	1SZE980040B0340		2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		10
Cover plain W600 H400	QCC064001	1SZE980010B0180		2
Busbar holder Vert. 600 W Flat/linear	QR6V6FF01	1SZE980120B0030		8
No.2 flat busbar 250 A	BR0250			8

System pro E® energy M - IP55
Panel (1800 × 600 × 250 mm + 1800 × 600 × 250 mm)
System pro E® Combi with busbar 630 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinet: Monoblock enclosure W600 H1800	Q855B618	1SZE550800B0150		2
Coupling set for Floorstanding IP55	Q855E00F	1SZE550800B0320		1
Side wall System pro E energy M H1800	Q855S018	1SZE550801B0070		1
Flange for 52 entries	TZ101	2CPX010450R9999		4
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		2
Door transparent W600 H1800	Q855G618	1SZE990920B0150		2
Plinth 100 mm height W600	Q855P601	1SZE990940B0020		1
Cover plain W600 H200	QCC062001	1SZE980010B0150		2
Tmax XT2 3/4p Hor W600 H200	QB2H62000	1SZE980040B0340		2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		10
Cover plain W600 H400	QCC064001	1SZE980010B0180		2
Busbar holder Vert. 600 W Flat/linear	QR6V6FF01	1SZE980120B0030		8
No.2 flat busbar 250 A	BR0250			8
No.2 flat busbar 250 A	BR0250			8

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System pro E® energy L and M
Configuration examples

System pro E® energy L - IP43
Panel (1800 × 600 × 250 mm + 1800 × 400 × 250 mm)
System pro E® Combi with busbar 630 A

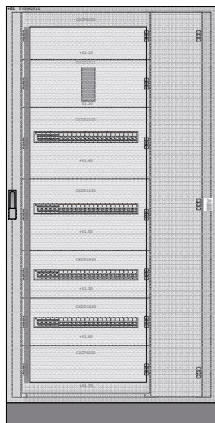| Description	Order details		Price	Pcs.
	Type	Order code		
Cabinets: Back + Side panels W600 H1800	Q843B618	1SZE430800B0150		1
Ext: Back + Coupling profiles W400 H1800	Q843E418	1SZE430801B0070		1
Top & Bottom plain w/ pre-knock-out W600	Q843T611	1SZE430802B0011		2
Top & Bottom BIG Entry space W600	Q843T621	1SZE430802B0014		2
Top & Bottom plain w/ pre-knock-out W400	Q843T411	1SZE430802B0010		2
Flange for 52 entries	TZ101	2CPX010450R9999		2
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H1800	Q855G618	1SZE990920B0150		1
Door plain W400 H1800	Q855D418	1SZE990910B0070		1
Plinth 100 mm height W600	Q855P601	1SZE990940B0020		1
Plinth 100 mm height W400	Q855P401	1SZE990940B0010		1
Cover plain W600 H200	QCC062001	1SZE980010B0150		2
Tmax XT2 3/4p Hor W600 H200	QB2H62000	1SZE980040B0340		2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		10
Cover plain W600 H400	QCC064001	1SZE980010B0180		2
Cover plain W400 H600	QCC046001	1SZE980010B0090		3
Busbar holder V. 200/400 W Shaped/Stairc	QR8V4SS01	1SZE980120B0060		6
No.2 shaped busbar 400 A	BA0400			4

System pro E® energy M - IP55
Panel (1800 × 600 × 250 mm + 1800 × 400 × 250 mm)
System pro E® Combi with busbar 630 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinet: Monoblock enclosure W600 H1800	Q855B618	1SZE550800B0150		1
Cabinet: Monoblock enclosure W400 H1800	Q855B418	1SZE550800B0070		1
Side wall System pro E energy M H1800	Q855S018	1SZE550801B0070		1
Coupling set for Floorstanding IP55	Q855E00F	1SZE550800B0320		1
Flange for 52 entries	TZ101	2CPX010450R9999		2
Flange metal TL Flange W600	Q855F621	1SZE990900B0021		1
Door transparent W600 H1800	Q855G618	1SZE990920B0150		1
Door plain W400 H1800	Q855D418	1SZE990910B0070		1
Plinth 100 mm height W600	Q855P601	1SZE990940B0020		1
Plinth 100 mm height W400	Q855P401	1SZE990940B0010		1
Cover plain W600 H200	QCC062001	1SZE980010B0150		2
Tmax XT2 3/4p Hor W600 H200	QB2H62000	1SZE980040B0340		2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		10
Cover plain W600 H400	QCC064001	1SZE980010B0180		2
Cover plain W400 H600	QCC046001	1SZE980010B0090		3
Busbar holder V. 200/400 W Shaped/Stairc	QR8V4SS01	1SZE980120B0060		6
No.2 shaped busbar 400 A	BA0400			4
No.2 shaped busbar 400 A	BA0400			4

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System pro E® energy L and M
Configuration examples

System pro E® energy L - IP43
Panel (1800 × 800 × 250 mm with integrated cable compartment)
System pro E® Combi with busbar 250 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinets: Back + Side panels W800 H1800	Q843B818	1SZE430800B0230		1
Integrated cable compartment H1800	Q830I218	1SZE990930B0070		1
Top & Bottom plain w/ pre-knock-out W800	Q843T811	1SZE430802B0012		1
Top & Bottom BIG Entry space W800	Q843T821	1SZE430802B0015		1
Flange for 52 entries	TZ101	2CPX010450R9999		3
Flange metal TL Flange W800	Q855F821	1SZE990900B0031		1
Door transparent W800 H1800	Q855G818	1SZE990920B0230		1
Plinth 100 mm height W800	Q855P801	1SZE990940B0030		1
Cover plain W600 H100	QCC061001	1SZE980010B0130		1
3 Tmax XT2 3/4p Vert W800 H300	QB2V63003	1SZE980040B0260		1
Cover plain W600 H100	QCC061001	1SZE980010B0130		1
Kit DIN 2R W600 H300	QDS263000	1SZE980020B0080		2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		3
Cover plain W600 H300	QCC063001	1SZE980010B0170		1
Busbar holder V. 200/400 W Shaped/Stairc	QR8V4SS01	1SZE980120B0060		6
No.2 shaped busbar 400 A	BA0400			4

System pro E® energy M - IP55
Panel (1800 × 800 × 250 mm with integrated cable compartment)
System pro E® Combi with busbar 250 A

Description	Order details		Price	Pcs.
	Type	Order code		
Cabinet: Monoblock enclosure W800 H1800	Q855B818	1SZE550800B0230		1
Integrated cable compartment H1800	Q830I218	1SZE990930B0070		1
Side wall System pro E energy M H1800	Q855S018	1SZE550801B0070		1
Flange for 52 entries	TZ101	2CPX010450R9999		3
Flange metal TL Flange W800	Q855F821	1SZE990900B0031		1
Door transparent W800 H1800	Q855G818	1SZE990920B0230		1
Plinth 100 mm height W800	Q855P801	1SZE990940B0030		1
Cover plain W600 H100	QCC061001	1SZE980010B0130		1
3 Tmax XT2 3/4p Vert W800 H300	QB2V63003	1SZE980040B0260		1
Cover plain W600 H100	QCC061001	1SZE980010B0130		1
Kit DIN 2R W600 H300	QDS263000	1SZE980020B0080		2
Kit DIN 1R W600 H200	QDS162000	1SZE980020B0060		3
Cover plain W600 H300	QCC063001	1SZE980010B0170		1
Busbar holder V. 200/400 W Shaped/Stairc	QR8V4SS01	1SZE980120B0060		6
No.2 shaped busbar 400 A	BA0400			4

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System pro E® energy L and M
Specifications for tender documents

Modular platform for Low Voltage distribution boards up to 800 A

Conformity to standards
The distribution boards are designed according to the IEC 61439-2/-3 standard. All verification tests and individual tests required by the standard have been done.
Internal segregation form is Form 1. Form 2b can be achieved, as option.

Technical characteristics
The panel is designed of kit-form cabinets, for the IP43 version, or monobloc welded cabinets, for the IP55 version, made from sheet steel, which can be stand alone or coupled next to each other, for indoor use.
Each cabinet, for the IP43 version, consists of a high-strength rear plate, made of galvanized sheet steel 1,5mm thick, with four corner parts bolted in each corner. The external panels and the doors are made in epoxy polyester power coating sheet steel 1.2mm thick. All the external panels (top, bottom and side panels) are fixed, using screws, to the sheet steel corner parts. Each one can be disassembled independently from the rest of the external panels. The sheet steel parts are pre-treated with iron phosphate and protected with epoxy polyester powder coating RAL7035, giving a light texturized finish. The colour for the handle and the base is RAL 7012.
For the IP55 version, the cabinet consist of a monobloc structure build with a high-strength rear plate, made of galvanized sheet steel 1,5mm thick; the top and bottom plates and the open sides welded. The external side panels are fixed with screws to the monobloc structure guaranteeing the degree of protection IP55.

The range of System pro E® energy consists of 24 different sizes:
• Three external widths: 385, 600 and 817 mm
• Eight heights: external dimensions from 649 up to 2049 mm.
• One depth: 250 mm with the door
• Useful dimensions:
  - Widths for 12, 24 and 36 modules 18mm. The cabinet of 36 modules can be configured as 24 modules plus an internal cable compartment
  - Heights from 600 up to 2 000 mm

The DIN rails or mounting plates of the functional units, and the busbar holders are fixed with special "click-in" support, attaching to the vertical profiles which are fixed to the rear panel. System pro E® energy allows free accessibility from all sides for the wiring of electrical devices mounted on the DIN rails and mounting plates, fixed to the rear panel on the functional kits.

The functional units, based on a modular concept with a height in steps of 50 mm are available for:
• DIN devices, for 12, 24 and 36 modules of 18mm. In two different distances between DIN rails, 150 and 200mm. One special DIN rail adjustable in depth to allow the assembly of the following devices S200, OT160G, S750, S800, XT1, XT3
• Meters
• Push-buttons
• Moulded case circuit breakers. Up to 800 A. To mount in horizontal or in vertical position. For one single MCB or several of them in the same mounting plate.
• Load break switches. Up to 800 A. To mount in horizontal or in vertical position.
• Automatic Transfer Switches
• Terminals
• Plain mounting plates

Two busbar systems can be mounted in the cabinets:
• Staircase busbar. Developed for easy accessibility during wiring to the four phases, because the holder shape puts the copper bars at different depths. The staircase busbar can be assembled in vertical position in the 400mm wide cabinet and in the internal cable compartment, in the 800mm wide cabinet; and in horizontal position in the 600 and 800mm wide cabinets. Electrical devices cannot be mounted in front of a staircase busbar. The busbar holders are fixed to the rear panel using specific "click in" supports and profiles.
• Linear mounted busbar. It Allows the assembly of the copper bars between the rear panel and the electrical devices. The rear busbar can be mounted in vertical or in horizontal position in all types of cabinets, except in the internal cable compartment. The electrical devices can be mounted in front of the rear busbar in the 600 and 800mm wide cabinets, except some MCCB's and OT's.
• Both busbar configurations, staircase and linear, can be executed with standard rectangular cross section copper bars, or special shaped copper bars.

Vertical and horizontal separation screens allow the upgrade of the internal segregation form to Form 2b, according the IEC 61439-2

The cabinets can be closed with two types of doors, plain and transparent. Both types available for all the heights and widths. The doors are mounted with a three-point locking system, operated by a central handle in the doors of a height of 1400 mm or higher. The door can be assembled and disassembled without any tools, and can be opened from the right or the left side of the enclosure. The opening angle is 135º. The door includes a PUR gasket, and it's common for the complete platform: System pro E® energy L and System pro E® energy M.

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System pro E® energy L and M
Specifications for tender documents

System por E® energy, with the ABB Low voltage devices,
is certified according IEC 61439-2/-3 by DEKRA.

Electrical characteristics
Protection class: Class I , earthed
Pollution degree: 2
Segregation: Form 1 and Form 2b
Rated operational voltage: 690 V
Rated insulation voltage: 1 000 V
Rated short-circuit current: 32 kA/1s
Rated busbar current system: up to 800 A
Protection degree:
System pro E® energy L: IP43 with door and IP30 without door
System pro E® energy M: IP55 with door and IP30 without door
The panel is designed for indoor use only
Ambient temperature: 35 °C

ABB

ABB

CATALOG

System pro E® energy

Beyond connected, always one step ahead of maintenance