



Low Voltage Product

System pro *E* power

Main distribution boards up to 6300A

Agreement Certificates between AGE and Globalize ABB, Switzerland as following technical transfer agreement on March 2017 successfully.



Technical Transfer Agreement for Medium Voltage Switchgear and Under License Agreement for Low Voltage Switchgear

ABB

Certificate:
System pro E Power
Main Distribution Boards up to 630/25A



Company: Asia General Electric Co., Ltd.
Address: No. 80, Krong Ma Thear 9th Road,
Huang Thayer Industrial Zone ("1")
Huang Thayer Township, Yangon, 11491, Myanmar

Under License:

- (Under License Agreement) on its own responsibility by using ABB technology and drawings according to the License Agreement signed on September 11, 2017
- (Under License Agreement) on its own responsibility by using ABBWGE components and according to the relevant ABB standards to not as IEC Standard no. 61432/142

The Certificate is valid until August 2020

By: 
ABB S.p.A.
Asia & ME Division

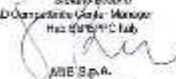
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System pro E power



- ABB presents **System pro E power**, the new main distribution boards up to 6300A
- A complete solution for the main distribution of electric energy for infrastructures and industry & building complexes.

Technical feature

Rated Current	up to 6300A
IP	IP30, IP31, IP40, IP41, IP65
Rated frequency	50-60 Hz
Ue (Rated service voltage)	up to 1000V AC/ 1500V DC
Ui (Rated insulation voltage)	up to 1000V AC/ 1500V DC
Uimp (Rated impulse withstand voltage)	12kV
Icw (Rated short-time current)	up to 120kA (1s), 50kA (3s)
Ipk (Rated peak withstand current)	up to 264kA
Standard of reference	IEC 61439-1-2 / IEC 60439-1
Vibration test	IEC 60068-2-57
Seismic test	IEEE Std 693
Arc-resistant standard	IEC 61641

System pro E power

Technical feature

• Mechanical specifications

Component	Thickness [mm]	System pro E power
Uprights	mm	1.2
Plinth (corner elements)	mm	2.5
Plinth (side flanges)	mm	1.5
Mounting plate in kits	mm	1.5
Front panel in kits	mm	1.2
Partitions	mm	1.5
Blind door	mm	1.5
Glazed door (tempered glass)	mm	4
External panels	mm	1.5 IP65 (0.8 IP3x4x)



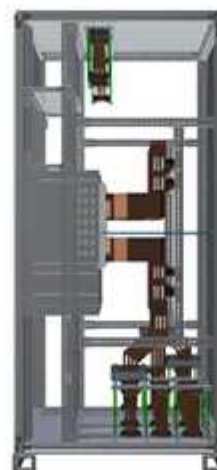
• Dimensions of the structure

	Dimensions [mm]: Internal (functional)/external
Height	1800/1913, 2000/2113
Width	300/399, 400/499, 600/699, 800/899, 1000/1099, 1250/1349
Depth	200/299, 300/399, 500/599, 700/799, 900/999



• Cable container dimensions (functional)

	Dimensions [mm]
Internal CC	400+200, 400+400, 600+200, 600+400, 800+200
External CC	300, 400



System pro E power

Key Component



Structure

Constructive elements:
Uprights and Crosspieces
Plinth and flanges
Top/bottom
Door and Panels

Internal Kit

Kit: for DIN modular apparatus System Pro M and moulded-case circuit-breakers Tmax XT series XT1-XT3

Kit: for moulded-case circuit-breakers Tmax XT and Tmax T

Kit: for air circuit-breakers Emax 2

Kit: for OT disconnectors

Intermediate upright

Kit: for completion

Functional frame and panels

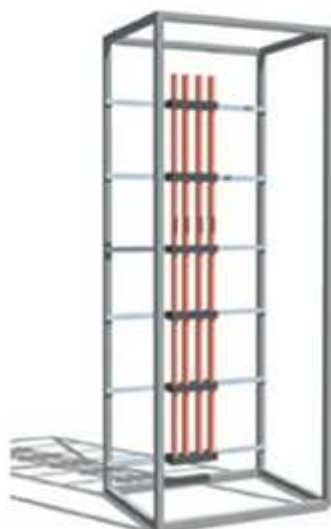
Kit: for InLine II

Kit: for Combiline

Solution for free assembly

Kit: to mount separately N and PE

Kit: for internal segregation



Distribution System

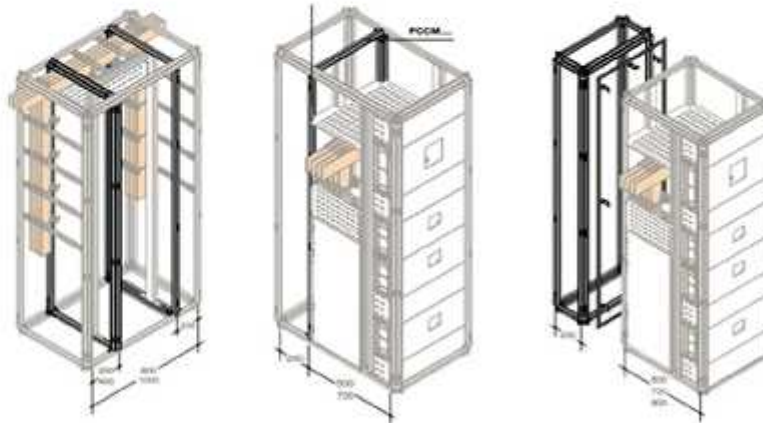
Busbars up to 6300A
Copper busbars or Cuponal busbars
Linear or scaled busbar holders
Assembly of the busbar system
Benefits of Cuponal
Recommended depth of the cabinet
Stainless steel elements
New opportunities
Support

System pro E power

Key Component

Structure

- Structure's flexibility



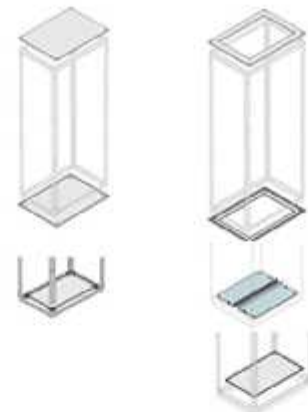
Uprights and crosspieces



Plinth and Flanges



Top/Bottom



Door and Panels

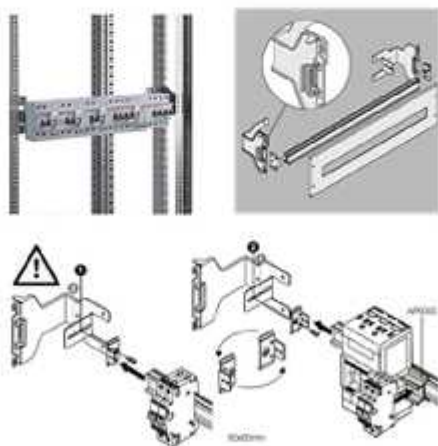


System pro E power

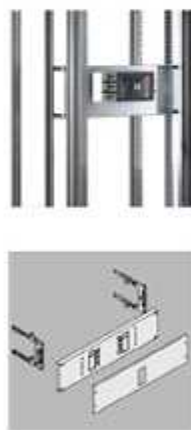
Key Component

Internal Kit

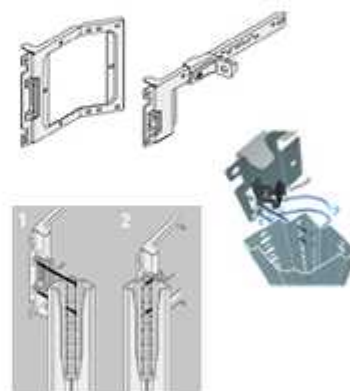
Kit for System Pro M and XT1-XT3



Kit for Tmax T and XT



Kit for Tmax T and Tmax XT



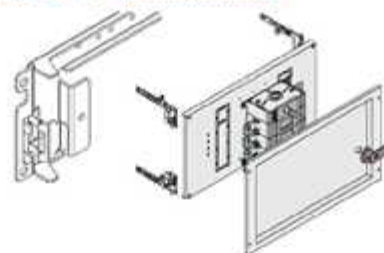
Kit Tmax T and Tmax XT



Kit Emax 2



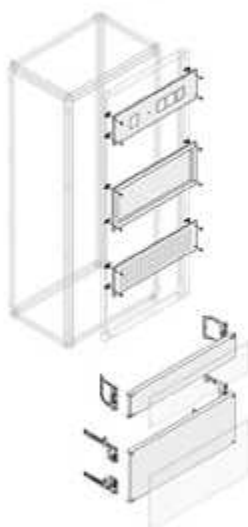
Kit for OT disconnectors



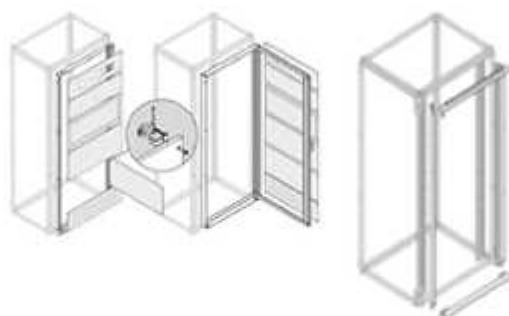
Intermediate upright



Kits for completion



Frame for frontal panels



System pro E power

Key Component

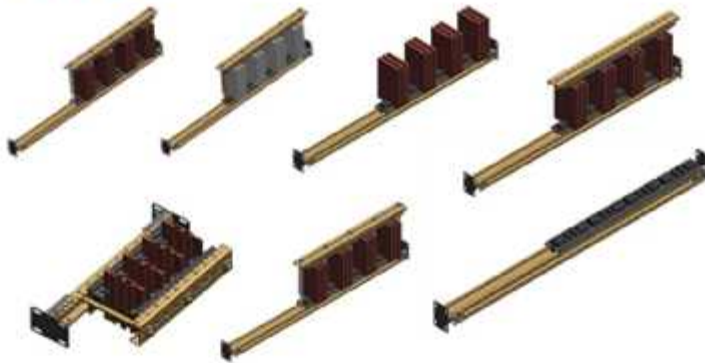
Distribution System



Shaped Busbars



Linear Holder



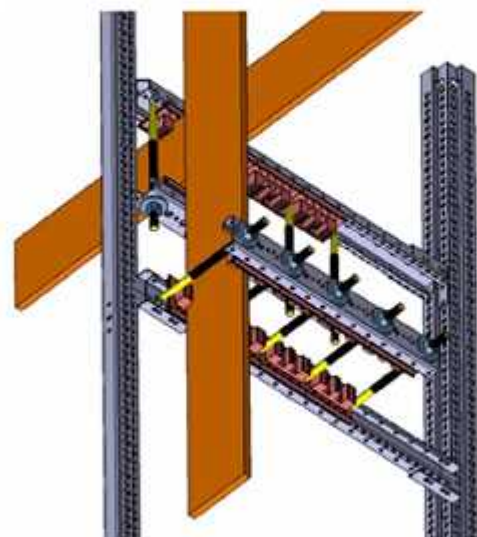
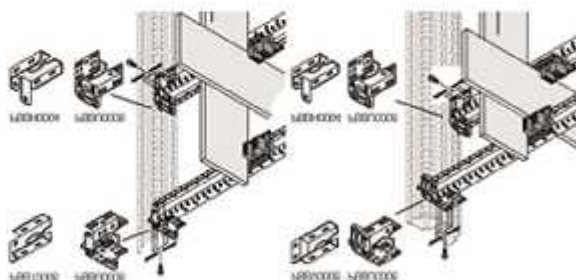
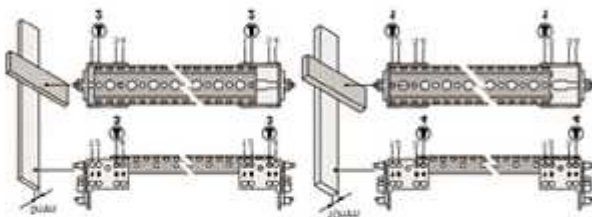
Linear distribution system for flat and shaped section busbars



Crosspieces



Assembly of the busbar system



System pro E power

Protection Degree

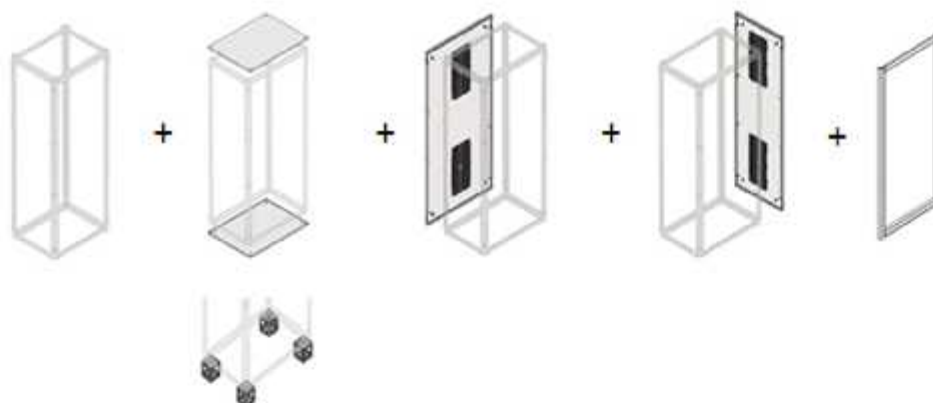
Over view of frames protection degrees

		IP against liquid		
		IP_0	IP_1	IP_5
IP against solid	IP3_	All solutions	Add top cover	
	IP4_	Add grates for ventilated panels + Add door	Add top cover	
	IP6_			Blind panels and doors with gasket (top/bottom available also with flange). + Plinth

Protection Degree IP30

Technical features:

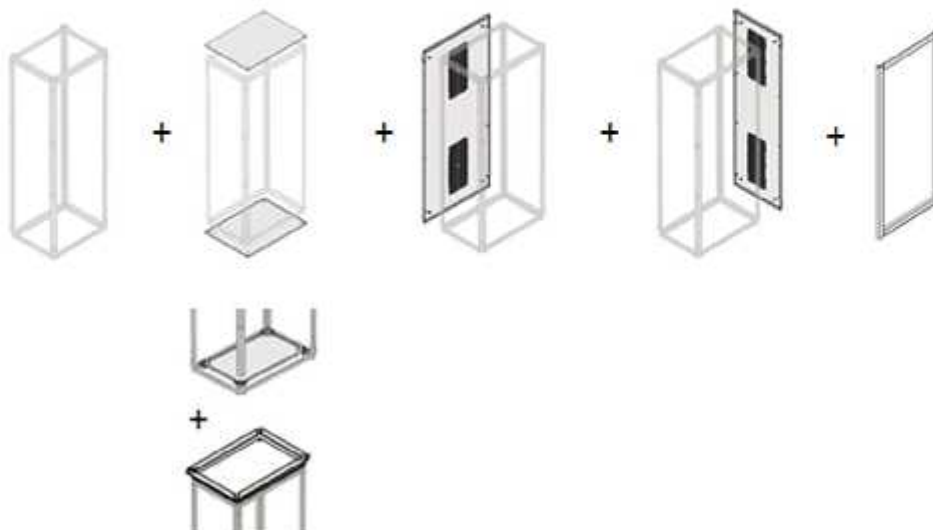
- with or without plinth
- lateral and back panels without gasket, blind or aerated
- without door
- with finishing section



Protection Degree IP31

Technical features:

- taking the IP30 as starting point, for IP31/41 add the profiles for top (overlaid on standard top)



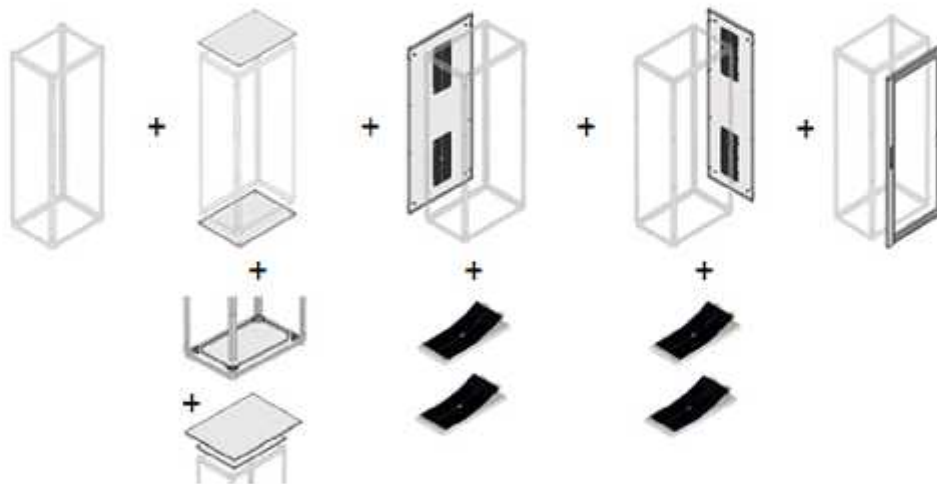
System pro E power

Protection Degree

Protection Degree IP40

Technical features:

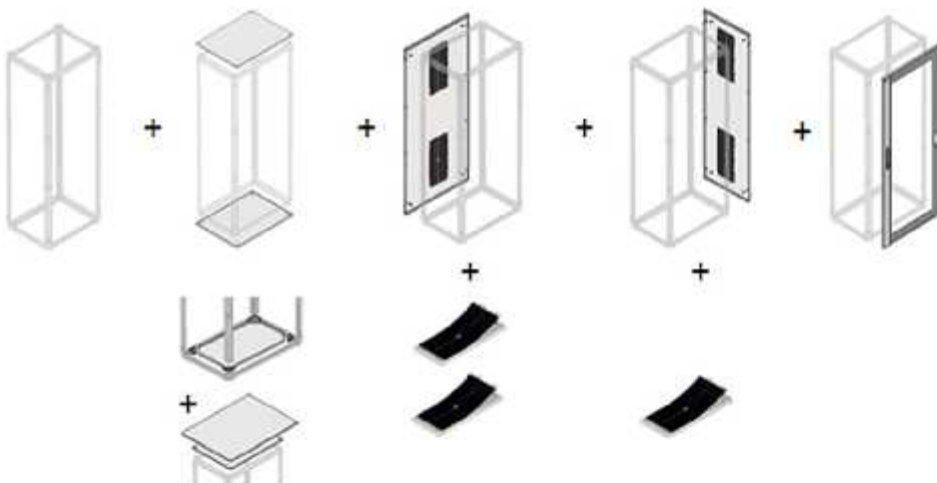
- compared to IP30 structures with aerated panels, for IP40 add the proper grates
- with blind or glass door without gasket



Protection Degree IP41

Technical features:

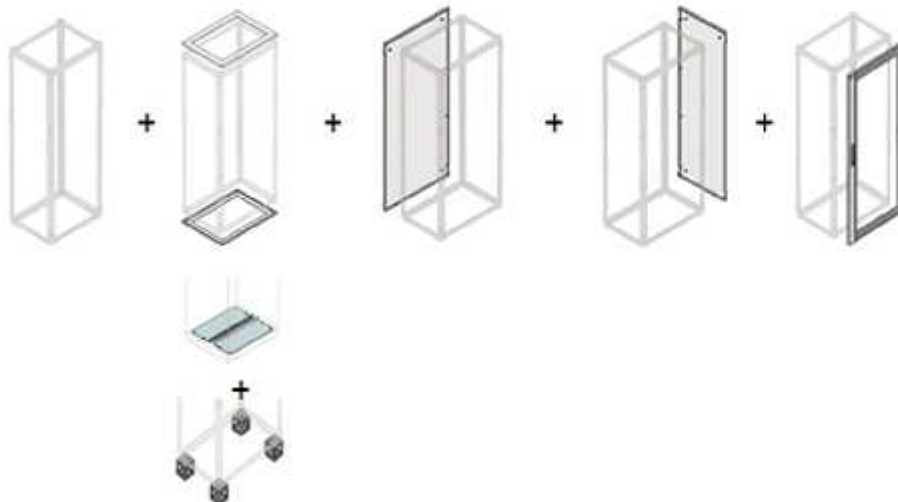
- compared to IP40, add the IP31/41 profiles for the top



Protection Degree IP65

Technical features:

- with plinth
- blind side and back panels with gasket
- blind top/bottom or open top with gasket
- possibility of adding a blind or sliding flange
- with blind or glass door with gasket





Transport

- Airports
- Port installations
- Underground railways

Service sector

- Supermarkets
- Shopping malls
- Hospitals
- Large infrastructures

Industry

- Pulp and paper
- Textile
- Chemical
- Food and beverage
- Automotive
- Petrochemical

More product information:

<http://www.agholding.com/msb>

Your contact center:

<http://www.agholding.com/contact>

More service information:

<http://www.agholding.com/ageafter>

Data and illustration are not binding. We reserve the right to make changes in the course of technical development.



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