

CUBIC Plug-in Solutions

Draw-out panels offering increased safety and the economy of a fixed pattern system.

ENCLOSURES & CLIMATE CONTROL



CUBIC



Plug-in – the perfect alternative ...

Panels constructed with the plug-in solution offer the functions of a draw-out system whilst benefiting from the economy of a fixed pattern system.

The plug-in drawers have connections on the incoming side that can be disconnected from the distribution busbar without the use of a tool, even if the busbar is live. This fact ensures operational and personnel safety to the same high degree as a draw-out system.

On the outgoing side, conductors are connected to terminals/multi-plugs, either in the drawer or in the cableway, or as a combination of the main circuit connected directly and the aux. circuits connected via terminals/multi-plugs.

The result is a design of high specification, which maintains function of a Draw-out panel and the economy of a fixed pattern solution.



New functions: Plug-in

The new version of Plug-in offers a wide range of new features for improved operational and personal safety combined with increased competitiveness in relation to optimized assembling.

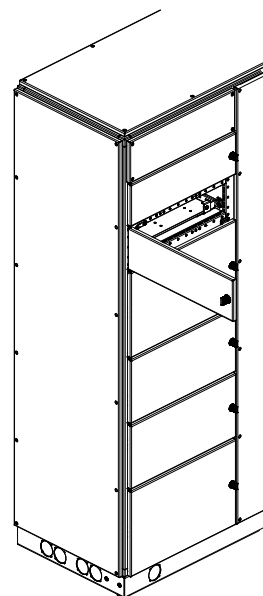
- Max. internal dimension by use of narrow barrier
- Freedom to place DIN rail equipment
- Cable Field can be placed on both the right and left side
- Can be combined with MD and MPI
- Allows for placement in the upper / lower module
- Possibility of shutter
- Possibility of interlock
- Up to 630 A in the standard version
- Form 4 A in the standard version
- Upgrading to MD possible by 3 m width

By use of standard structural parts, internal separation Form 4 IP2X is automatically obtained.

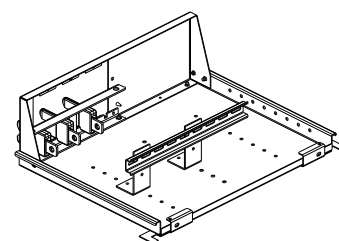


Construction details

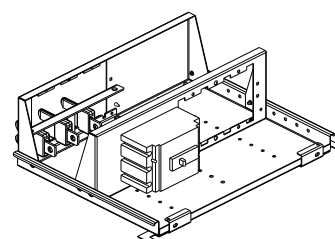
- The plug-in drawers are constructed in the modular measure of 192 mm.
- The plug-in system is optional 3-poled or 4-poled.
- Within a section it is possible to make use of upper and lower module for plug-in inserts.



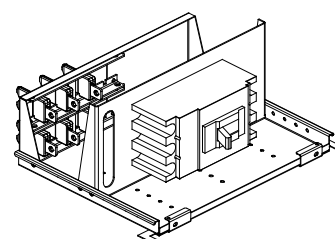
Plug-in section with doors in front of each drawer.



DIN-rail fitted on mounting bracket.



Component holder, adjustable in steps of 32 mm.



Component holder for drawers higher than 1m.

General Technical Data

Standards & approvals

IEC/EN 61439-1, KEMA, Holland, ASTA, England, DNV (Det Norske Veritas), GL (Germanischer Lloyd) and Russian Maritime Register of Shipping.

Rated voltage (U_n)	Up to 1000 V; 45 - 62 Hz	
Test voltage	Up to 3.5 kV	
Main busbar	Horizontal busbars	
Rated current	Up to 6000 A	
Short-time withstand current, I_{cw}	Up to 120 kA	
Peak withstand current, I_{pk}	Up to 264 kA	
Distribution busbar	(Vertical busbars)	
Rated current	Up to 2000 A	
Short-time withstand current, I_{cw}	Up to 80 kA	
Peak withstand current, I_{pk}	Up to 176 kA	
Drawers	Size: 2x1 m, 2x1.5 m, 2x2 m, 2x3 m	Rated current Inc: Up to 400 A
	Size: 3x1 m, 3x1.5 m, 3x2 m, 3x3 m	Rated current Inc: Up to 630 A
Internal separation	Form 3b and Form 4a	
Degree of protection	Up to IP54 Without drawer IP2X (with shutter IP3X)	



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