System pro E power Panelboard
Panelboard, Custom panelboard, Pan assembly
ArTu PB
System pro E power Panelboard
ArTu PB general

- **PANELBOARD** – A single panel or a group of panel units designed for assembly in the form of a single panel; includes buses, automatic overcurrent devices, and may be equipped with switches for the control of light, heat, or power circuits; designed to be placed in a cabinet or cutout box placed in or against a wall or partition and **accessible only from the front** (quote UL67).

- **POWER PANELBOARD** – A power panelboard is one having 10 percent or fewer of its overcurrent devices protecting lighting and appliance branch circuits (quote UL67).

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**IEC61439 1-2 (PSC assembly)**

- Rated current up to 1250A
- Rated service voltage 690V AC
- Rated insulation voltage 1000V AC
- Impulse withstand voltage 8kV
- Short-circuit withstand current:
  - *phase-phase up to 65 kA 1s*
  - *phase-neutral up to 39 kA 1s*
- Rated max. peak short-circuit current 143kA
- Protection degree IP43 with door
- Mechanical resistance IK08
- Segregation form 4b

**UL67 (Panelboards)**

- Rated current up to 800A
- Rated voltage 480V AC
- Short-circuit withstand current up to 50 kA
- 6 or 10 outgoing ways
ArTu PB Panelboard is a simple and quick mounted power distribution panel up to 1250A. This board’s system allows to perform quick assembling of a switchgear directly on the power plant almost in instant out of few components.

- Low level of power distribution
- MCCB devices only
- Option with incoming breaker or direct cable connection kit
- Side metering container
- Optionally (ArTu L 240mm. structure): glazed door, plinth 100mm, top/bottom connection box, side external cable container
- Incoming breakers: Tmax T3, XT3, T5, T6 - 3/4 poles and T7 - 3 poles (250-1250A)
- Outgoing breakers: Tmax T1, T3, XT1, XT3 - 3/4 poles with or without RCD T4, T5 - 3/4 poles without RCD
- Busbar system rating: 400A, 800A, 1250A
- Plug in busbars connection base for outgoing devices
- Available in three sizes with maximum capacity of 6, 12 or 16 (18) outgoing ways
- High level of safety – all conductive parts are completely isolated
System pro E power Panelboard
ArTu PB offer – IEC tested

Complete assembly! Fixed capacity.
- To be equipped: inner door, breakers, connection kit
- 5 enclosure dimensions
- Up to 800A
- Outgoing T1 single pole - T1 - T2 - T3 - XT1 - XT3 3|4 pole

Universal solution!
- To be equipped: inner door, breakers, connection kit, plug in busbars connection base
- 4 enclosure dimensions
- Up to 1250A
- Outgoing T1 single pole - T1 - T2 - T3 - T4 - T5 - XT1 - XT3

Without a cabinet!
- To be equipped: inner door, breakers, connection kit, plug in busbars connection base, cabinet
- 3 mounting plate dimensions
- Up to 800A
- Outgoing T1 single pole - T1 - T2 - T3 - XT1 - XT3 3|4 pole
System pro E power Panelboard
ArTu PB offer – UL homologation

Pan Assembly

Without a cabinet!

- The creepage distance are greater and certain components had been isolated
- Two execution for 6 or 10 outgoing ways
- Recognized product with labeling: one label on base and a one on the plate
- Up to 800A
- 4 mounting plate dimensions
- Outgoing T1 single pole and T1, T2, T3, T4 and T5 three poles using the plug-in bases
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ArTu PB busbar system

Busbar system
- Universal busbars holder for: In = 250 / 400 / 630 / 800 / 1250 A
- Copper
- 3/4 poles

250/400A – Icw 35kA

630/800A – Icw 50kA

1250A – Icw 65kA
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ArTu PB plug-in connection base

Components of plug-in base
- Dimensions of the plug-in base is equivalent to the breaker
- Possibility to mount equal size of CBs on the left and right side of the principal busbar system
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ArTu PB incoming connection kit

Incoming options

- MCCB connection kit for T3, XT3, T5 400A, T5 630A, T6 800A, T7 1250A
- Direct connection kit for 400, 800, 1250 busbar rating
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ArTu PB accessories

Accessories
- Glazed door IP43
- Plinth 100mm
- Top/bottom extension module
- Metering chamber with side by side kit included
- External cable container (ArTu L structure)
- Busbar’s shroud for the empty space (SH630)
- Covers for the empty connections of the plug-in base (MODT...)
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ArTu PB example

Panelboard

- 1 - 640T1PB3MD – Panelboard, 400A 3 pole busbar system, 6 of T1-XT1 outgoing
- 1 - 400T53P – MCCB connection kit
- 1 - P6X6T5 – Inner door
Custom Panelboard

- **1 - CU128PB3MD** – Custom Panelboard, 800A 3 pole busbar system, 12 outgoing ways of T1 single pole - T1 - T2 - T3 - XT1 - XT3
- **1 - 800T63P** – MCCB connection kit 800A
- **1 - P6X6T6** – Inner door
- **2 - PLT33P** – Plug-in connection base for XT3 three pole
- **2 - PLT13P** – Plug-in connection base for XT1 three pole
- **1 - SH630** – Busbar shroud 630mm long 3 pcs.
- **1 - ZL1000** – Plinth corner elements H=100mm for structure 2 pcs.
- **1 - ZL1001** – Plinth flanges 2 pcs.

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System pro E power Panelboard

...more information

Available public sources

- Power distribution systems Web page ➔ Link
- System pro E power Panelboard Web page ➔ Link

(for more information use Download a document section)

- Technical catalogue ➔ Link
- Instruction handbook ➔ Link
- Product overview ➔ Link