



■ LOW VOLTAGE DISTRIBUTION SWITCH BOARDS - ON SELF STANDING FRAME

Low voltage distribution switch boards on self standing framework are produced as an open structure, resistant on touch of all active parts from all sides, in which all equipment is mounted on a steel plate.

Made in accordance with standards MKS EN 60439 i.e. EN 61439 and all other standards and regulations IEC, DIN/VDE, MKS, EN, CENELEC that refers to the substation with limited opportunities for ventilation.

LV switchboards are manufactured for the type of network TN-system of grounding.

Minimum class of protection must be IP 20 that is requested with the MKS EN 60529.

The LV distribution panel from transformer is used as main switch for supply:

- Fuse switch disconnectors 910A, three pole for power of transformers up to 250kVA
- Circuit breaker with electronic protection from overload and short break, for power of transformers 400 up to 1250kVA

As a protection of the LV outgoing feeders in the LV distribution panel, we use fuse switch disconnectors, with permanent load 630A, 3-pole operated, with V clamps, according EN 60947-3.

| Type | LV table for power up to 250kVA | LV table for power up to 800kVA | LV table for power up to 1000kVA | LV table for power up to 1250kVA | Coupling LV table for power 250kVA | Coupling LV table for power 800kVA | Coupling LV table for power 1000kVA | Coupling LV table for power 1250kVA |
|-------------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
| Order numbers | 701192667 | 701200667 | 701216667 | 701224667 | 701196667 | 701232667 | 701233667 | 701234667 |
| Main supply-disconnector | 910A | | | | 1250A | 1250A | 1600A | 2000A |
| Main supply-circ.breaker | | 1250A | 1600A | 2000A | | | | |
| Outgoing feeders 630A | 5+5 spare | 5+5 spare | 5+7 spare | 5+7 spare | | | | |
| Current transformers | 400/5A,kl-0,5 | 1250/5A,kl-0,5 | 1500/5A,kl-0,5 | 2000/5A,kl-0,5 | | | | |
| Main busbars | Cu 60x10mm | Cu 80x10mm | Cu 120x10mm | Cu 120x10mm | Cu 60x10mm | Cu 80x10mm | Cu 120x10mm | Cu 120x10mm |
| Rated short circuit mak.cap. low,1s | 20kA | 17kA | 17kA | 17kA | 50kA | 50kA | 50kA | 50kA |
| Type of network | TN | TN | TN | TN | TN | TN | TN | TN |
| Measuring of el. energy | ✓ | ✓ | ✓ | ✓ | | | | |
| Over voltage protection | 400/231V,65kA | 400/231V,65kA | 400/231V,65kA | 400/231V,65kA | | | | |
| Class of protection | IP20 | IP20 | IP20 | IP20 | IP20 | IP20 | IP20 | IP20 |
| Dimension w-h-d (mm) | 1230x1900x400 | 1130x1900x400 | 1300x1900x400 | 1300x1900x400 | 600x1900x400 | 740x1900x400 | 740x1900x400 | 740x1900x400 |



Low voltage switch boards 2x1000kVA with coupling 1600A



Low voltage switch boards 1000kVA

