

LV Main Board, type R630

Low voltage main board R630

Models:

R630 CIP – With 6 outputs DIN2 and street lighting;

R630 SIP – With 8 outputs DIN2 and without street lighting;

R630 CIP – With 3 outputs DIN2. 1 output with molded case circuit breaker 4x1000A and street lighting;

R630 Coupling – With 2 outputs DIN2 and 2 unequipped reserves.

CONSTITUTION

Envelope:

- Featuring a treatment suitable paint for effective corrosion protection, consisting of 2 layers, being the first zinc dichromate and the second of chlorinated rubber finish.
- Are distinguished in the envelope of the board, three compartments: a switch located in the upper part where is found the switching device and control, a second sectioning in the central area where the LV strip-type fuse bases location and one for output wiring connections.
- We can find in the R630CIP board an additional compartment positioned to the left for the accommodation of the street lighting control equipment.
- Protection against direct contacts is ensured by mounting a acrylic insulating barriers, being the envelope of the board with two localized barriers, one in the upper part for the protection of busbar and the switch and the other in the lower part for the protection of the cables connections.
- In view to facilitate the electrical connections between the busbar of the board and coupling, as for the same time ensure adequate ventilation, there is in both sides of the board removable ventilation grids.



Structure:

- Structure on which are mounted, the main switch, busbar and strip-type fuse bases, with panels that insure a protection level of IP2X in frontal and side parts.

Rack:

- Is intended to fixing electrical equipment, consisting of structural elements of metal (profiles and rails).

Equipment:

- See schematic diagrams below.

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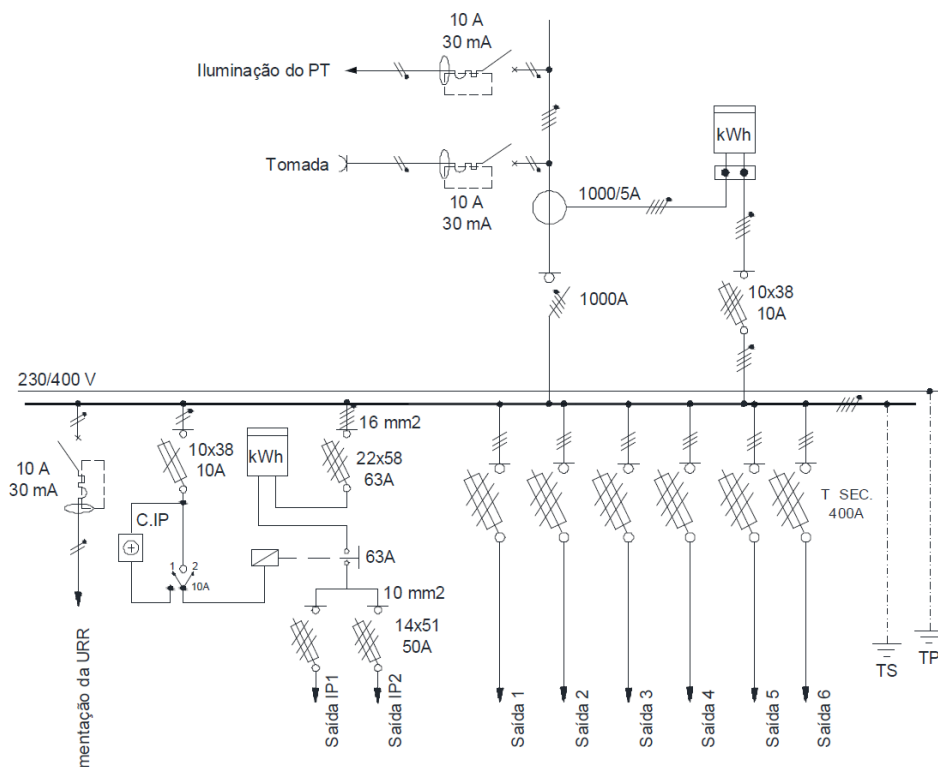
ELECTRICAL EQUIPMENT CHARACTERISTICS:

- Nominal voltage: 400 V.
- Insulation level at 50 Hz: Ranging from 3 kV (between poles) and 20 kV (between all conductors connected together and ground).
- Nominal current: 1000 A.
- Short circuit current: 30 kA.

STANDARDS:

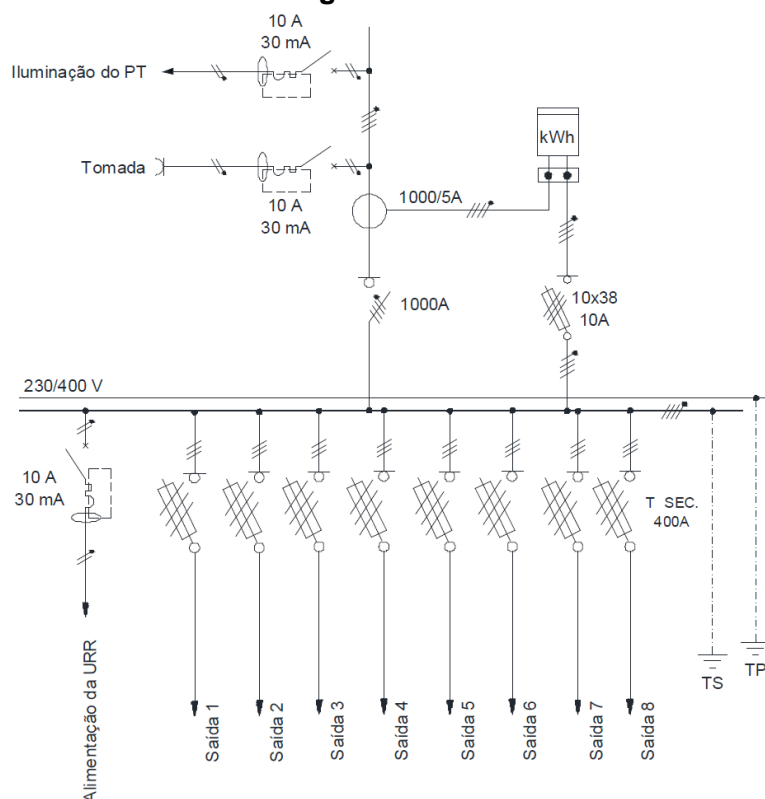
- R630 CIP - IEC 60439-1 and EDP-DMA-C62-813/N
- R630 SIP - IEC 60439-1 and EDP-DMA-C62-811/N
- R630 CDJ - IEC 60439-1 and EDP-DMA-C62-818/N
- R630 Coupling - IEC 60439-1, EDP-DMA-C62-811/N, EDP-DMA-C62-813/N and EDP-DMA-C62-818/N.

R630 CIP Schematic diagram

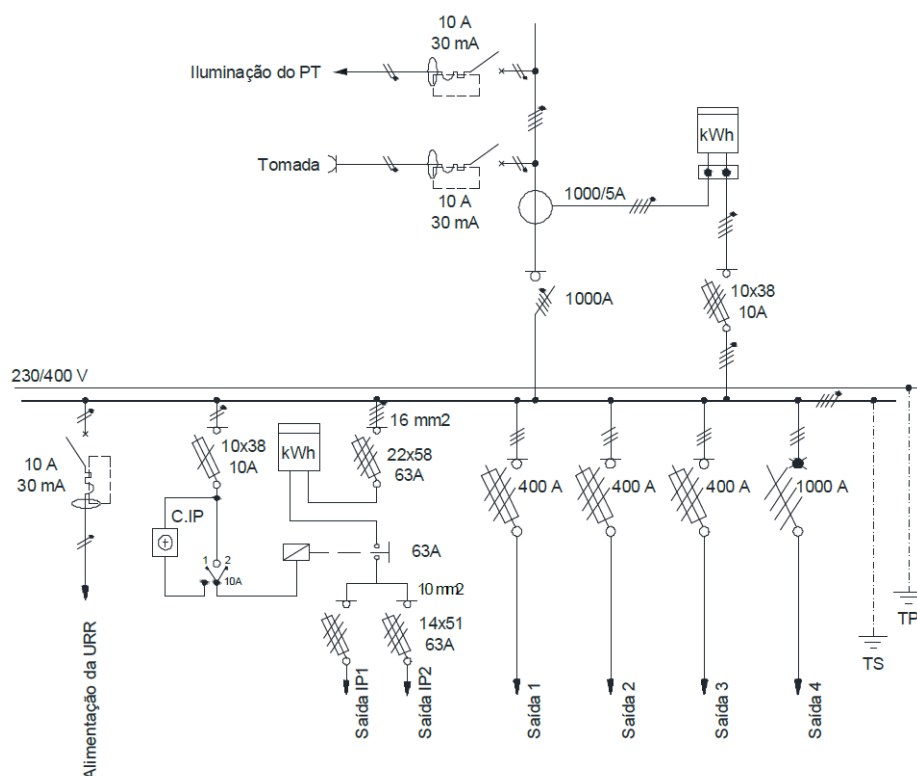


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R630 SIP Schematic diagram



R630 CDJ Schematic diagram



LV Main Board, type R630

R630 Coupling Schematic diagram

