

KCO 399-TYPE CELLS BUS-LEAD

KCO-type assembled cells with one-sided attendance access and bus-leads are intended for furnishing switchgear devices and serve to receive and distribute electric energy of 50 Hz frequency and 6 or 10 kV nominal voltage a.c. Cells are operated in enclosed compartments with natural ventilation without artificially regulated climatic conditions, under temperature from -25°C to +45°C. KCO are metallic cells with one-sided access for attendance. Cable lead-in of cells is from bottom side. Cells are installed on cable ducts. For attending personnel protection cells are equipped with:

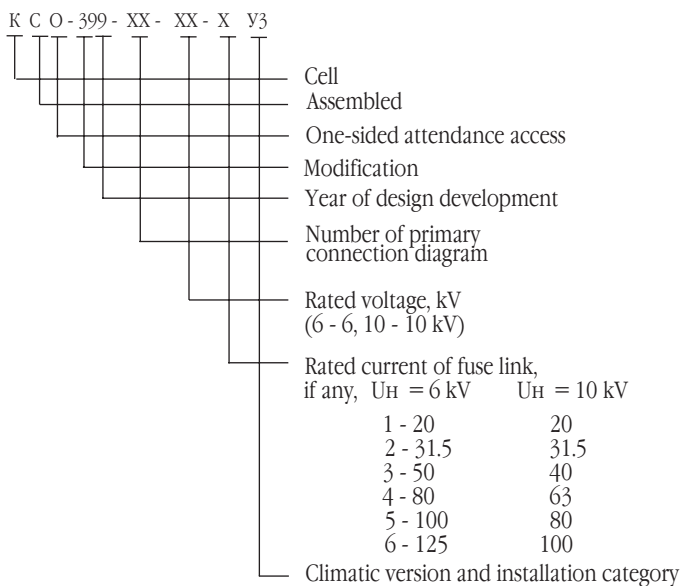
- walls which separate one cell from another;
- interlockings, structurally provided by switching devices;
- peephole, protected by safety glass;
- inventory partition which separates live parts under voltage in process of attendance.

Switching devices are operated with doors closed, those doors carry circuit diagram. In two-row installations KCO-type cells are furnished with bus-leads on which sectionalizers with grounding blades are located. Control drives of the sectionalizers are located on side panels of the cells. Sectionalization of cells is provided :

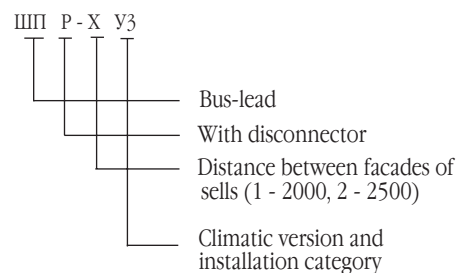
- in two-row version – by means of ШПП - type busbar bridge;
- in one-row version – by means of 14 П (right) or 14 Л (left) cell.

Cells have inside lighting of 220 V. Lighting circuit power source is located outside the cells and is determined by a customer on operation site.

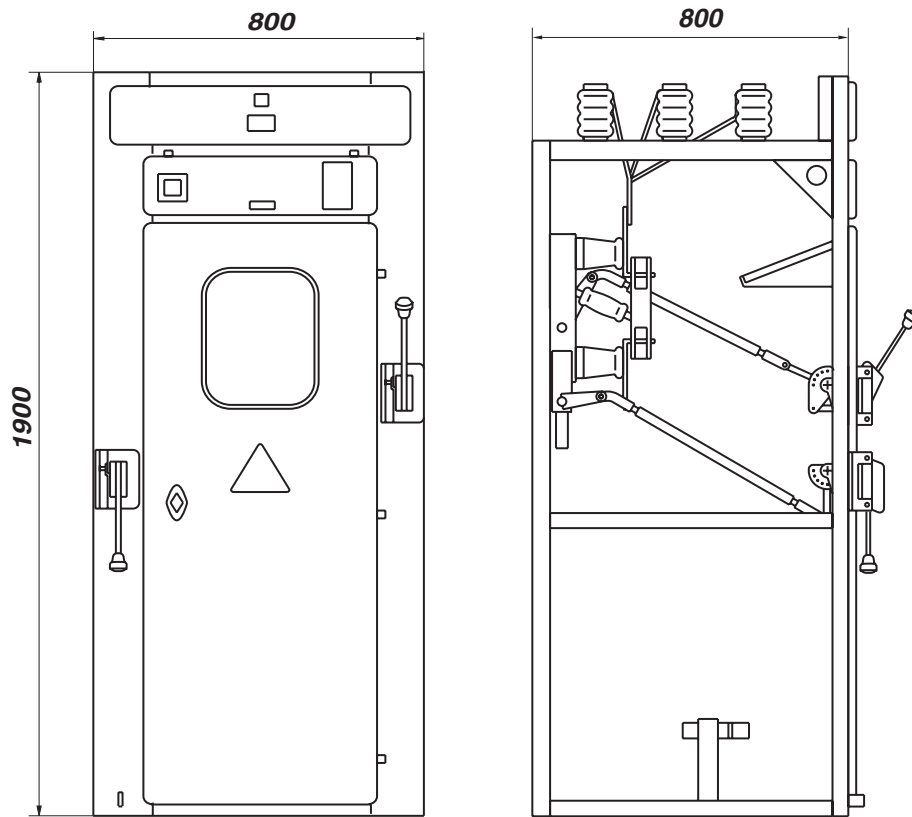
KCO- type cell symbolic denominatoin structure:



Bus-lead symbolic denomination structure:



General view and overall dimensions of KCO-type cell



Technical specificatios:

Rated voltage, kV	6	10
Max. working voltage, kV	7.2	12
Rated current of main busbars, A		630
Rated current of branch buses, A		400
Electrodynamic ability current of main busbars, kA		51
Thermal ability current of main busbars, kA		20
Electrodynamic ability current of branch buses, kA		41
Thermal ability current of branch buses, kA		16
Thermal resistance time, s		1

Primary connection circuit diagrams						
Diagram number	01	02	03	04	05	06
Primary connection circuit diagrams						
Diagram number	07	08	09	10 НОЛ	11 НТМИ	13 АВР ОМ
Primary connection circuit diagrams						
Diagram number	14 Л	14 П	20 НТМИ	21 ОМ	ШП	ШПР