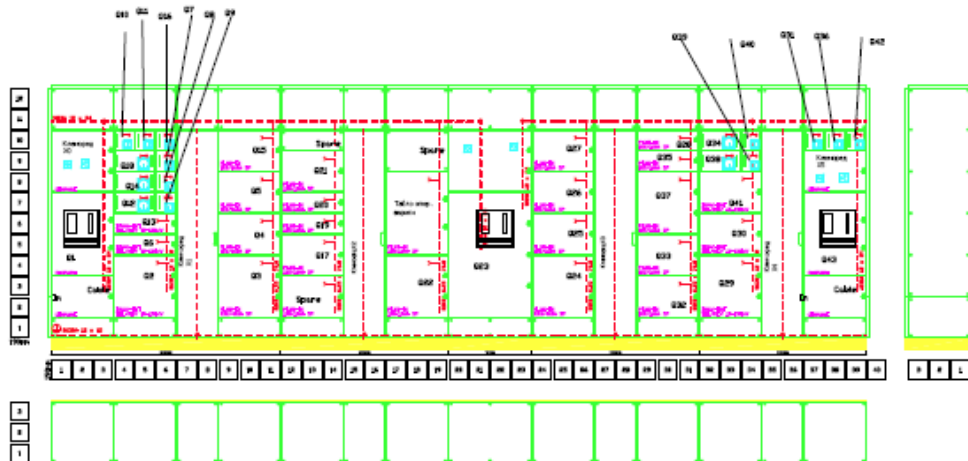


"Draw out" modular system type Logstrup

"Draw out" switchboards are designed in modular systems with the electric devices and appliances for each consumer embedded in separate removable modules. Special cable inlets are provided for all the terminal strips for connection with the switchboards. The switchboards can consist of several sections which are connected between each other by couplings for operating (control) circuits and copper busbars for power circuits. Switchboards and electrical components are designed using specialized software. The figure below shows an example of switchboard sectioned in two parts with section circuit breaker. The operating power supply board is located next to the section breaker.



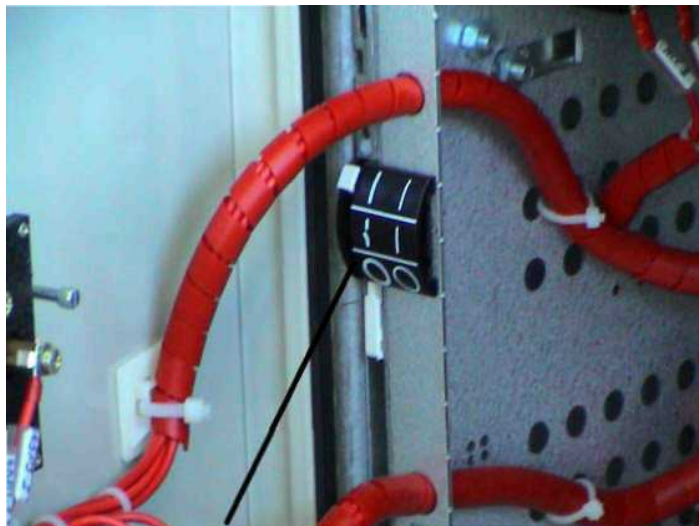
Depending on their type the consumers are located in separate "Draw out" sections referred to as "Drawers".

Two types of outlets are available on the switchboard:

1. Motor feeding (power supply) outlets enclosed in drawers type “Draw out” (removable). The "Draw out" system itself is available in two types:
a) Normal type:



These “Draw out” sections have three positions: Position 1/1: the main and operating circuits are switched on; position 0/1: the main circuits are switched off, and the operating circuits are switched on – test position; position 0/0 – both the main and operating circuits are switched off.



b) Drawers type "mini draw out":



Drawers of this type have four positions and each of them is achievable by turning the switch located on the drawer panel:



a – working position. Both the main and operating (control) circuits are switched on;

o \ - test position. The main circuits are switched off, and the operating circuits are switched on;

O - zero position. Both the main and operating circuits are switched off, but removing the drawer out is not possible;

Position for removing the drawer out

In case the drawer is not placed in properly a mechanical interlock prevents switching the power supply on.

Table for easy dimensioning of “Draw out” modules depending on the power:

System	Dimension x,y, z	Effective area (mm)	Power (kW)
Small "Draw out"	1x1x3	141x158x188	11
	1,5x1x3	220x158x188	15
	2x1x3	294x162x190	22
	3x1x3	425x114x185	30
Normal “Draw out”	3x1x3	425x114x185	Motor starter
			Direct start up
			MCCB + Fuse
			30 22
	3x2x3	425x304x185	55 55
	3x3x3	425x494x185	90 90
	3x4x3	425x684x185	250 250
	3x1x4	425x114x684	30 30
	3x2x4	425x304x684	55 55
	3x3x4	425x494x684	90 90
3x4x4	425x684x684	250 250	