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## Cubicles for Customised Solutions (CCS)

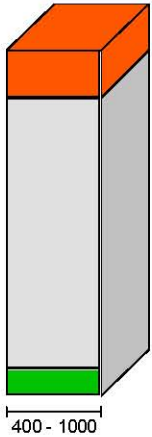
### General

The cubicles for customised solutions are intended for the installation of mounting plates and devices for control tasks.

### Structure and Functions

Depending on cubicle type the switching device compartment can be equipped up to the height of 1700 mm:

Cable connection  
front

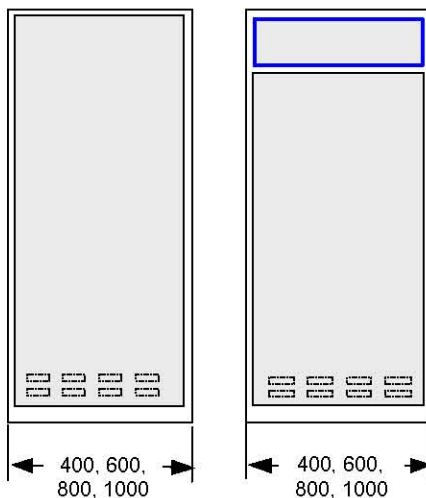


CCS

The switchgear is mounted on mounting plates and is connected at the line side to the vertical distribution bus. At the front side the cubicle is covered by cubicle doors.

### Forms of Internal Separation/Doors

According to the form of internal segregation and the minimum protection degree the following designs can be selected:.



Form 1

Form 2 b

unventilated ≤ IP 54  
ventilated ≤ IP42

### Forms of Internal Separation/Doors

The cubicle bus system is located at the rear of the cubicle. It offers various possibilities to connect cables, lugs and busbars. The cubicle bus system is not intended for a cubicle width of 400.

#### Rated current cubicle bus system

Cross section	Rated current $I_n$ as a function of ambient temperature [A]						
	20°	25°	30°	35°	40°	45°	50°
Cubicle unventilated							
1x40x10	860	840	820	<b>800</b>	780	755	735
1x60x10	1075	1050	1025	<b>1000</b>	975	945	920
2x40x10	<b>1290</b>	<b>1260</b>	<b>1230</b>	<b>1200</b>	<b>1170</b>	<b>1135</b>	<b>1100</b>
Cubicle ventilated							
1x40x10	915	895	870	<b>850</b>	825	805	780
1x60x10	1235	1210	1180	<b>1150</b>	1120	1090	1055
2x40x10	<b>1505</b>	<b>1470</b>	<b>1435</b>	<b>1400</b>	<b>1365</b>	<b>1325</b>	<b>1285</b>

Short-circuit strength 40x10

$I_{pk} = 125 \text{ kA}$

$I_{cw} = 50 \text{ kA}, 1 \text{ s}$

Short-circuit strength 60x10

$I_{pk} = 163 \text{ kA}$

$I_{cw} = 65 \text{ kA}, 1 \text{ s}; 50 \text{ kA}, 3 \text{ s}$

### Projecting Planning Rules

Available mounting plates:

Height: 175 - 1675 mm, Width: 600 - 1000 mm

Effective space:

Height - 28,5 mm, Width - 100 mm

Installation depth:

without vertical busbars = Frame depth - 218 mm

with vertical busbars = 380 mm