

RITTER
Starkstromtechnik

MCC 3001

Motor Control Center
withdrawable module
design with 11 rows
for max. 44 modules
with conventional or
intelligent equipment



MCC 3001

Panel Construction

The vertical busbar is fitted in the rear part of the standard frame. An intermediate wall with clamps for the control bars and cable holders separates the module compartment from the cable compartment. The module compartment is subdivided into closed compartments with insertable module floors. The control plug-in connectors and the tier terminal strip are fitted on the floor of the module. A main contact is fitted on the back as the exit from the module. For small withdrawable units, a cassette, which divides the row into two or four compartments, is used in place of the module floor. The cable connection compartment is closed off with a separate door. The module-, cable- and busbar compartment are compartmentalized among each other in such a way, that internal accidental arcings are limited to the particular compartment in case of inner faults.

Module Sizes (norm)

- Size A up to 11 kW (quarter row)
- Size B up to 22 kW (half row)
- Size 1 up to 55 kW (entire row)
- Size 2 up to 132 kW (two rows)
- Size 3 up to 250 kW (three rows)

The maximum number of modules adds up to 44 pieces distributed into 11 rows.

Dimensions

- Panel width 1000 mm or 1200 mm
- Panel depth 660 mm
- Panel height 2300 mm with IP31
2400 mm with IP41

Field of Application

These panels are applicable in the building service and the industry version. The panels of the industry version are checked in regard to the appearance of inner faults (internal accidental arcing).



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Technical Data

Rated voltage U_e	400 V, 500 V, 690 V
Rated current I_n Busbar Distribution busbar	up to 4000 A 1600 A
Frequency f	50/60 Hz
Rated short-time current I_{cw}	100 kA
Rated peak withstand current I_{pk}	220 kA
Rated short-time duration	1,0 s
Short-time duration for internal arc	0,3 s

Functional Positions of the Modules

No.	Main switch	Module	Main current circuit	Control current circuit
1	1	Slid-in	ON	ON
2	0	Slid-in	OFF	OFF
3	<- ->	Movable	OFF	OFF
4	T	Slid-in	OFF	ON
5	I / O / T	Isolated position	OPEN	OPEN