

**RITTER**  
Starkstromtechnik



## KPF3001

Power factor correction panels compatible to the all NS3001 panel types designed for the fitting of reactive power compensation modules

## KPF3001

Panels with reactive power compensation modules

Into the panel it can be built up to 4 capacitor racks with maximum 100 kVar per module. An intelligent, self-optimizing VAr controller is installed into the switch cabinet. The power factor operating relay is integrated into the cabinet door, so that it is possible to operate from outside.

The supply is carried out external, so that the compensation panel can be shutdown for service.

Optional main bus bar could be realized on the back side.

Optional supply can be realized through the rear main bus bar system.

Stand alone installation possible.

Fan unit with temperature control integrated into the cabinet.

### Field of Application

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



Kompensationsleistung  
3 x 400 V/50 Hz, 100 kVar (2 x 50 kVar)  
14% Verdrosselung



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### Technical Data

Rated voltage $U_e$	400 V, 500 V, 690 V
Rated busbar current $I_n$	bis 4000 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
Breaking levels	12,5 kVar, 25 kVar, 50 kVar, 75 kVar
Detuning Factor	7%, 8%, 14%

### Panel Dimensions

Type	panel width	panel depth	panel height
IP31	1000 mm	660 mm	2300 mm
IP41	1000 mm	660 mm	2400 mm