



RITTER
Starkstromtechnik

SAS 3001

Switch-disconnector-fuse panel,
horizontally fitted
with strip type,
push-in and modular
switch-disconnector-fuses of the lines
160 A to 630 A

SAS 3001

Panels with horizontally fitted switch-disconnector-fuses.

The SAS 3001 panel is a power distribution unit with strip type, push-in and modular switch-disconnector-fuses.

Considering to the accident prevention regulations, the block can be retrofitted and modified without the main busbar having to be switched off. The in-line fuse load break switch disconnectors are plugged onto a busbar. The ventilation of the fuse blocks is achieved through ventilation grilles beneath a fuse block device.

A 3-pole vertical busbar is fitted in the rear part of the standard frame. An intermediate wall separates the fuse block compartment from the cable connection compartment. The cable compartment is equipped with a separate door. The individual compartments for the switch block, the cable connection compartment and the busbars are compartmentalized vis à vis one another in an arcing-resistant manner.

Switch-Disconnecter-Fuse

The blocks are strip type, push-in and modular design. They are plugged on the input side and screwed on the output side. This type of block is an operator-independent snap-action mechanism with double-break feature so that laymen can operate it as well. Furthermore it is possible to integrate miscellaneous options like converters, ammeters, auxiliary contacts, electronic fuse monitoring, bus coupling and so forth. The switch blocks can be operated from outside with the closed transparent cover.

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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Arrangement of the Switch Blocks Maximum Version:

- 27 × 3-pole blocks of size 00, 160 A
- 18 × 3-pole blocks of size 1, 250 A
- 9 × 3-pole blocks of size 2, 400 A
- 7 × 3-pole blocks of size 3, 630 A

A mixture of switch blocks of different sizes can be fitted.

Technical Data

Rated voltage U_e	400 V, 500 V, 690 V
Rated current I_n Busbar Distribution busbar	up to 4000 A 2700 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

Panel dimensions

Type	panel width	panel depth	panel height
IP30 J.M.	1000 and 1200 mm	660 mm	2300 mm
IP31 ABB	1000 and 1200 mm	660 mm	2300 mm
IP40 J.M.	1000 and 1200 mm	660 mm	2400 mm
IP41 ABB	1000 and 1200 mm	660 mm	2400 mm