

## SWITCHGEAR

### S5000 - DC

#### Overview

The switch - disconnectors S5000 DC are available from 80 - 160 - 200 - 250 - 315 - 400 - 630 - 800 - 1250 - 1800 A (DC20) in 4P version, acting as a load break switches for DC current.

Designed for Photovoltaic installations, which require a safe disconnection. Standard handle is supplied padlockable in OFF position for maintenance.

Bridging links available for series connections.

Also available under request:

- Different ratings
- Changeover switches.



#### Relevant characteristics for photovoltaic installations

- $U_i$  (V) Rated insulation voltage 1000Vdc.
- $U_{oc}$  (V) Open circuit voltage of the photovoltaic system.
- $U_{ef}$  (V) Photovoltaic installation functioning voltage on load.
- $I_{ef}$  (A) Installation working current under load.
- $I_{sc}$  (A) Short-circuit current of the photovoltaic installation.
- In certain places of Pv Systems, inductive component must be considered (cables, inverter, etc.).
- The sizing of the switch must take into consideration the open circuit voltage and maximum operation voltage.
- It necessary to comply with:
  - $U_i \geq U_{oc}$   
We recommend to set  $U_i$  between 10 and 15% over  $U_{oc}$ .
  - $U_e \geq U_{ef}$
  - $I_e \geq I_{ef}$
  - $I_e \geq I_{sc}$