DC Switch - disconnectors
DC switch - disconnectors with high operating load capacity and a high level disconnection insulation; high reliability and safety in abnormal situations, available in different construction models, with a wide range of currents in different DC voltages and a variety of accessories.


The DC switch - disconnectors in its different series, are manufactured with high safety self-extinguishing materials, providing an excellent level of electrical insulation, low smoke emission and high resistance to electromechanical stress.

They comply with environmental requirements and undergo strict quality controls for a reliable product that meets the most demanding requirements.
They consist of a sandwich-type body containing self-cleaning blade type contacts,
with pre-arc zones to ensure long term, fault-free energy transmission and coated with silver alloy for long electromechanical life. The jump mechanism provides quick and independent switching due to the accumulation of elastic potential energy, which is transmitted at high speed to the contacts for arc extinction.

The switch - disconnectors S6 DC do not require external bridging links; thus reducing installation time and simplifying subsequent maintenance operations.

Relevant characteristics for photovoltaic installations
> Ui (V) Rated insulation voltage 1000 Vdc .
> Uoc (V) Open circuit voltage of the photovoltaic system.
> Uef (V) Photovoltaic installation functioning voltage on load.
> lef (A) Installation working current under load.

Range codification:

The DC ZFC|ZFV|S5|S5M|S5N|S6|S6N|S6R series, are identified by a code that describes their most important characteristics as described below.
> IsC (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 be done considering open circuit voltage as maximum operation voltage.




ZFV plastic enclosed switch. Non polarized. Up to 1500 Vdc .



Back to back with operating mechanism in side, arrangement to increase the number of available contacts. Base mounting by screws. Non polarized. $4 \mathrm{P}+4 \mathrm{P} 1500 \mathrm{Vdc}$.


Wide range of currents. Different configurations to choose.
Base mounting by screws. Non polarized. Up to 1000 Vdc .


Back to back arrangement. Different configurations to choose.
Base mounting by screws. Non polarized. Up to 1500 Vdc .


Back to back with operating mechanism in front, arrangement to increase the number of available contacts. Base mounting with screws. External or direct handles. Non polarized. 4P+4P 1000Vdc. $4 \mathrm{P}+4 \mathrm{P} 1500 \mathrm{Vdc}$.



S6N0125MMSO S6NO125QOSO S6NO125MQSO S6N0125USSO S6NO1250 Code ss SGNO160MMSO SSNO COLOSO SGNO125MQSO S6NO125USSO S6NO125UUSO S6NO1255SSO S6N0160MMSO S6NO160QOSO S6NO160MQSO S6N0160USSO S6NO160UUSO S6NO1605S50 S6NN200MMSO S6NO2000QSO S6NO200MQSO S6NO200US50 S6NO200UuSO S6NO2005S50 S6NO250MMSO S6NO250QQOSO S6NO250MOSO S6NO250USSO S6NO250UUSO S6NO2505SSO S6NOZ15MMSO S6NOZ15QQSO S6NO315MQSO S6NOZ15USSO S6NO315UUSO S6NO3155SSO



##  <br> units units units units units





## SERPA

*(2) (30

*(2) See the full details pages in this catalogue to see the possibility or not of grounding the switch selected. If you have any doubt about this, please do
4(p) To comply with the operation and electrical features. the bridgging links must be assembled to the swith. See the full details pages of this catalogue,
to choose the configuration needed and the possibility or not of grounding. If y yu have any doubt about this, please do not hesitate to consult us.
A. Please indicate in your order the switchh code and the handle code, as these both products are managed separately.

(4F 4
*(2) To be used as signalling or control contacts $-\mathrm{le}=16 \mathrm{~A}$ (resistive loads) 4 A (inductive loads) at 250 Vac .
Whilst closing, it switches after the main contacts. Whist opening, it switches before the main contacts.

*3) Padlockable handle in OfF 0 oposition. Possibility
Door interlock by a padlock in OFF 0 position.
**() Astandard shaft is included with the external handle.
*el All these codes are related to the new handle hande. in case of replacements for old design handles, please consult.

