

ELMARK[®]

The Brand of Electricity

TWO and FOUR-POLE DC ISOLATOR SWITCHES



TWO/FOUR-POLE DC ISOLATOR WATERPROOF BOX, IP66

APPLICATION »»

The DC switch is mounted between the solar panels and the inverter and is intended to isolate the PV array during installation or subsequent maintenance

FEATURES »

- ∴ Screw fixing doesn't interfere with the sealing performance.
- ∴ Multiple mechanical seals around the shaft guarantee the reliability of a waterproof and moisture-proof design.
- ∴ Stainless steel rotary screw does not rust nor damp.
- ∴ Standard cable interface available with seal rings.
- ∴ Internal sealing in top and bottom covers, combined with 2 screws, guarantee an IP66 protection degree.
- ∴ SAFE-LOCK with three rotational positions, reducing the risk of tampering.
- ∴ The isolator is compatible with various cables and with optional waterproof cable joints and MC4 joints
- ∴ Incorporating a user independent switching action, spring mechanism, to ensure a very fast break/make action, ensuring that the disconnection of the load circuits and suppression of the arc normally occurs within 5ms.
- ∴ Self-cleaning contact mechanism, reducing power loss and abrasion, improving the conduction performance, reducing the resistance and energy loss of the switch, extending the on-off life cycle.
- ∴ Double arc extinguishing mechanism, magnetic and arc chutes, restrain the arc efficiency, especially DC arcs

TECHNICAL DATA »

- ∴ Rated insulation voltage U_i : 1500V
- ∴ Rated current: 32A
- ∴ Rated impulse withstand voltage U_{imp} : 8000V
- ∴ Poles: 2P/4P
- ∴ Knob position: OFF at 9 hr, ON at 12 hr, C type
- ∴ Mechanical life: 10 000 cycles
- ∴ Pollution degree: 2
- ∴ Over voltage category: III
- ∴ Operating temperature: -40 to +70°C
- ∴ IP code: IP66
- ∴ Handle colour: Black
- ∴ Mounting: Wall-mounted or screw installation
- ∴ Dimensions LxHxD: 98x225x110

PRODUCT DETAILS »

Catalogue number	Type	Rated current	Number of poles	Barcode	Packing
98SOL2P32S/DC	DC isolator 2 series-1 string	32A	2P	3800131258267	1
98SOL4P32S/DC	DC isolator 4 series-2 string	32A	4P	3800131258274	1

TECHNICAL SPECIFICATION SHEET



TWO/FOUR-POLE DC ISOLATOR SWITCHES, SUITABLE FOR PANEL MOUNTING

APPLICATION »»

The DC switch is mounted between the solar panels and the inverter and is intended to isolate the PV array during installation or subsequent maintenance

TECHNICAL DATA »

- ∴ Rated insulation voltage U_i : 1500V
- ∴ Rated current: 32A
- ∴ Rated impulse withstand voltage U_{imp} : 8000V
- ∴ Poles: 2P/4P
- ∴ Knob position: OFF at 12 hr, ON at 3 hr, C type
- ∴ Mechanical life: 10 000 cycles
- ∴ Pollution degree: 2
- ∴ Over voltage category: III
- ∴ Operating temperature: -40 to +70°C
- ∴ IP rating of shaft and mounting nut: IP66
- ∴ Handle colour: Black
- ∴ Mounting: Single hole
- ∴ Dimensions LxHxD: 60.2x94.9x64.8

PRODUCT DETAILS »

Catalogue number	Type	Rated current	Number of poles	Barcode	Packing
98SOL2P32F/DC	DC isolator 2 series-1 string	32A	2P	3800131258243	1
98SOL4P32F/DC	DC isolator 4 series-2 string	32A	4P	3800131258250	1