

ADIS Series PV DC Isolator Switch

ADIS-2



ADIS-3



- ADIS-2: DIN Rail Mounting;
ADIS-3: DIN Rail Mounting Door Clutch
- OFF Lockable
- Flame-Retardant
- Arcing Time <3 ms
- IEC 60947-3
- 4Poles (Single|Double Strings Available)
- DC-21B: 16 A, 25 A, 32 A up to 1200 VDC

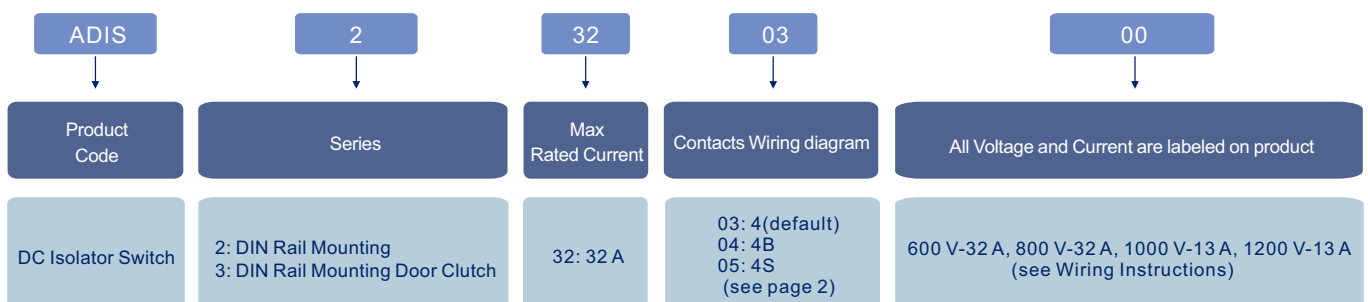
APPLICATION:

ADLER's ADIS series DC Isolator Switches are designed for installation in 1-20 kW Inverters, Controller and DC Combiner Boxes. They are used for Residential or Commercial PV solar power system (on-grid/off-grid). With their arcing time of less than 3 ms they effectively disconnect all standard PV solar systems.



PARAMETER

| Electrical Characteristics | | |
|------------------------------|-------------|--------------------------------------|
| Type | | ADIS-2, ADIS-3 |
| Function | | Isolator, Control |
| Utilization category | | DC-21B / DC-PV1 |
| Pole | | 4P |
| Max Rated Current | | 32 A |
| Rated Working Voltage | Ue | 600 VDC, 800 VDC, 1000 VDC, 1200 VDC |
| Rated Current | In | see Wiring Instructions |
| Rated Insulated Voltage | Ui | 1200 VDC |
| Rated Impulsed Voltage | Uimp | 8 kV |
| Service Life/Cycle Operation | | |
| Mechanical | | 15000 |
| Electrical | | 1000 |
| Installation Environment | | |
| Ingress Protection | | IP20 |
| Storage Temperature | | -40 °C to +85 °C |

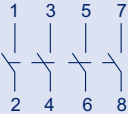
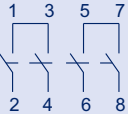
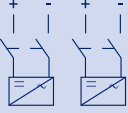
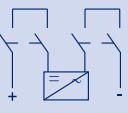
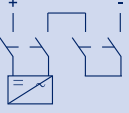
MODEL NUMBERING DEFINITIONS



WIRING INSTRUCTIONS

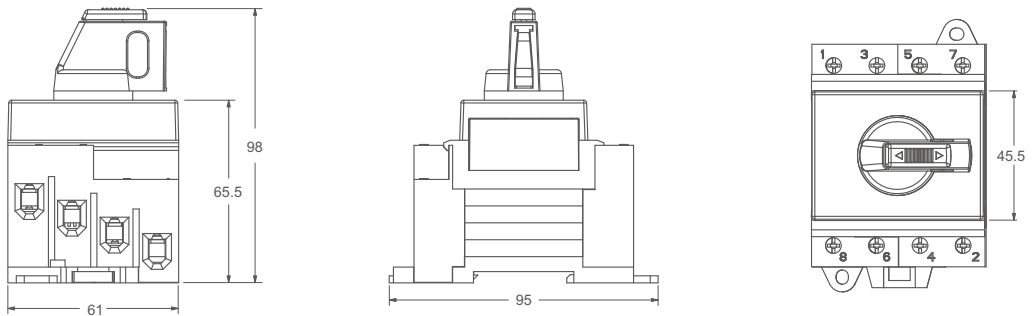
| Product Picture | Part Number | All Voltage and Current are labeled on product | | | | Pole in series | Number of Strings | Weight |
|---|-------------|--|-------|--------|--------|----------------|-------------------|--------|
| | | 600 V | 800 V | 1000 V | 1200 V | | | |
|  | ADIS2320300 | 32 A | 32 A | 13 A | 13 A | 2 | 2 | 0.70 |
| | ADIS2320400 | 32 A | 32 A | 32 A | 32 A | 2 | 1 | 0.70 |
| | ADIS2320500 | 32 A | 32 A | 32 A | 32 A | 4 | 1 | 0.70 |
|  | ADIS3320300 | 32 A | 32 A | 13 A | 13 A | 2 | 2 | 0.70 |
| | ADIS3320400 | 32 A | 32 A | 32 A | 32 A | 2 | 1 | 0.70 |
| | ADIS3320500 | 32 A | 32 A | 32 A | 32 A | 4 | 1 | 0.70 |

SWITCHING CONFIGURATIONS

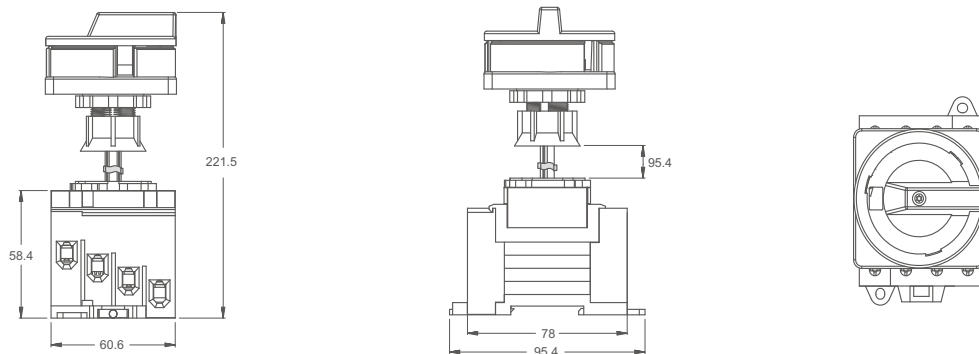
| Contacts Wiring diagram | 03: 4 (default) | 04: 4B | 05: 4S |
|-------------------------|---|---|---|
| | Switching example |  |  |
| |  |  |  |

DIMENSIONS (mm)


ADIS-2
DIN Rail Mounting
Lockable handle



ADIS-3
DIN Rail Mounting
Door Clutch
Lockable handle

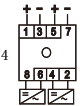
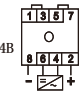
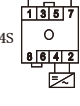


LABEL:



adler
CE

PV Switch-Disconnecter
ADIS-32A

| | | | | | | | | | | |
|---|---|---|------|------|------|-------|-------|-------|-------|-----|
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$U_i=1200V$ $U_{imp}=8kV$
 No Polarity
 IEC/EN 60947-3 DC-PV1/DC-21B
 Ambient Temperature: $-40^{\circ}C$ + $+85^{\circ}C$
 Made in China