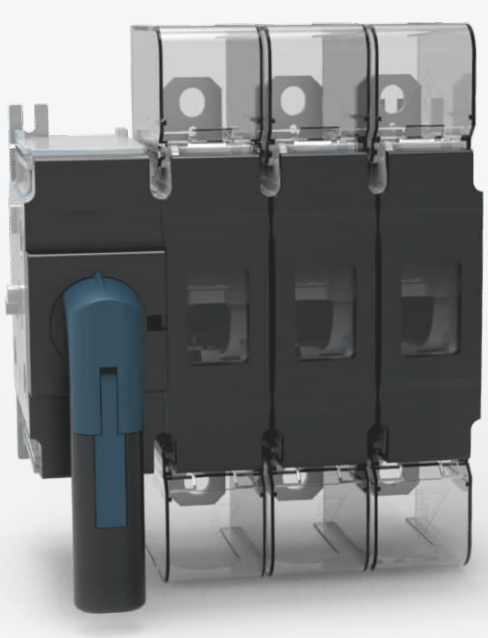
ASwich | Safety Is On

AC Isolation Switch

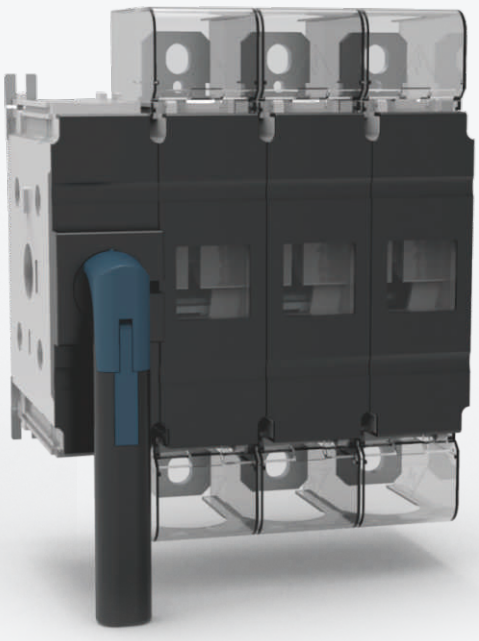
EHA Voltage AC Disconnector

Leading Manufacturer Protects Solar Power Safety

Rev1.0 2022/08/01

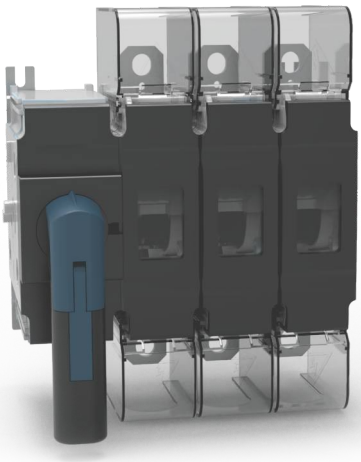


EHA-315

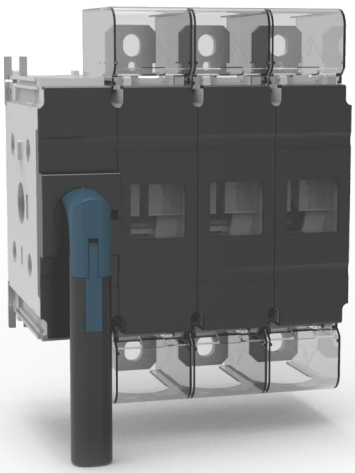


EHA-600

EHA Voltage AC Disconnector



EHA-315



EHA-600

Product Benefits

Easy to install

- Wiring: Switch is non-polarized, all types of wiring and connections are possible.
- Auxiliary contacts easily mounted.
- The operating mechanism can be placed to meet the installation requirements.

Safe reliable operation

- Reliable position indicator through visible windows.
- The opening and closing of the switch is fully independent from the speed of operation, ensuring safe operation under all conditions.
- High temperature withstand: no derating up to 70°C.
- Ambient Temperature: -40°C to +70°C.

Designed for harsh environments

- Vibration testing (from 13.2 to 100 Hz at 0.7 g).
- Shock testing (15 g during three cycles).
- Humid temperature testing (2 cycles, 55°C/131F with 95% humidity level).
- Salt mist testing(3 cycles with humidity storage, 40°C/104F, 93% humidity after each cycle).

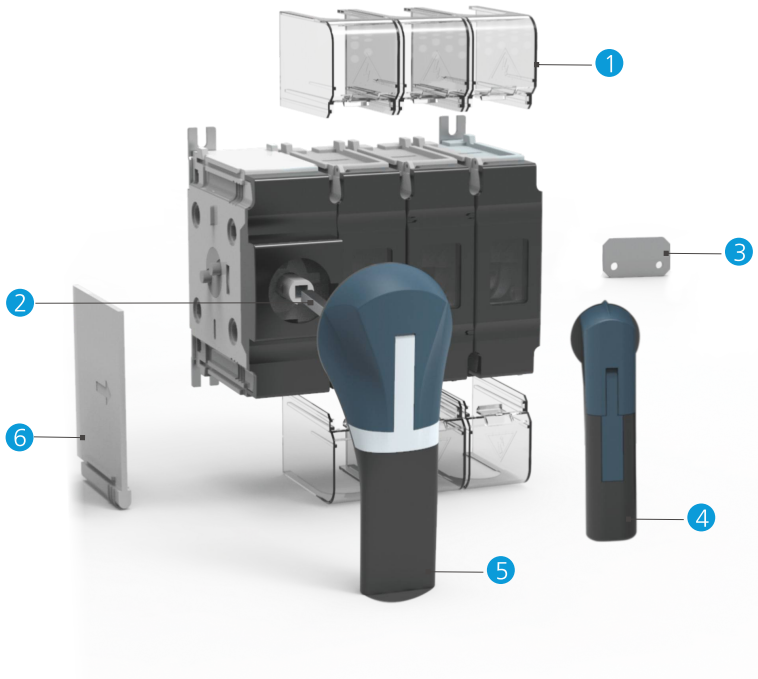
Select Code

$$\frac{EHA}{1}\ \frac{a}{2}\ -\ \frac{b}{3}\ \frac{x}{4}\ \frac{R}{5}\ -\ \frac{Y}{6}$$

No	Description	Code
1	Voltage AC disconnector	EHA
2	Rated Voltage	500VAC:50 690VAC:69 1000VAC:100
3	Installation method	DB: Directly operate the handle in the cabinet DC: Outside handle EL: Enclosure
4	Rated current	160A, 250A, 315A, 400A 630A, 800A
5	Knob lock	R: With lock Nil: Without lock
6	Pole array	03, 12, 04, 22, 21, 30, 40

*Note:The left digit represents the number on the left side of the operating mechanism, and the right digit represents the number on the right side of the operating mechanism

EHA Voltage AC Disconnector



1 Terminal shroud
2 Extension rod
3 Bridge bar
4 Direct handle
5 Door interlocked handle
6 Phase barrier

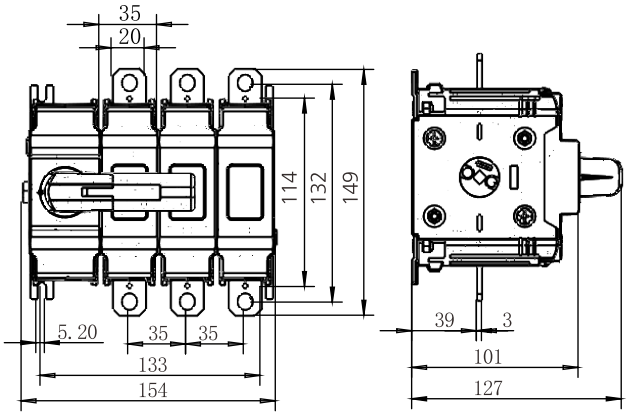
Technical Data

Rated current Ie					160A	250A	315A	400A	630A	800A
Frame size					EHA-315			EHA-600		
Thermal current (Ith)					160	250	315	400	630	800
Rated insulation voltage (Ui)					1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage Uimp (KV)					12	12	12	12	12	12
Code	Number of poles		Rated voltage	Utilisation category	Ie(A)	Ie(A)	Ie(A)	Ie(A)	Ie(A)	Ie(A)
EHA	3P	4P	500VAC	AC-20A/AC-20B	160	250	315	400	630	800
EHA	3P	4P	500VAC	AC-21A/AC-21B	160	250	315	400	630	800
EHA	3P	4P	500VAC	AC-22A/AC-22B	160	250	315	400	630	800
EHA	3P	4P	500VAC	AC-23A/AC-23B	160	250	315	400	630	800
EHA	3P	4P	690VAC	AC-20A/AC-20B	160	250	315	400	630	800
EHA	3P	4P	690VAC	AC-21A/AC-21B	160	250	315	400	630	800
EHA	3P	4P	690VAC	AC-22A/AC-22B	160	250	315	400	630	800
EHA	3P	4P	690VAC	AC-23A/AC-23B	160	250	315	400	630	800
EHA	3P	4P	1000VAC	AC-20A/AC-20B	160	250	315	400	630	800
EHA	3P	4P	1000VAC	AC-21A/AC-21B	160	250	315	400	630	800
EHA	3P	4P	1000VAC	AC-22A/AC-22B	160	250	315	400	630	800
EHA	3P	4P	1000VAC	AC-23A/AC-23B	160	250	315	400	630	800
Short-circuit capacity (1000VAC no protection)										
Rated short time withstand current Icw 1s (kAeff)				Icw	8	8	8	11	11	11
Rated short-circuit making capacity Icm(kA peak)- 60 ms				Icm	22	22	22	22	22	22
Cable										
Recommended Cu rigid cable cross section(mm)					70	120	185	240	2x185	2x240
Recommended Cu busbar width(mm)					20	20	20	25	25	25
Mechanical characteristics										
Durability (number of operating cycles)					8000	8000	8000	8000	8000	8000
Number of cycles of operation with current					1000	1000	1000	1000	1000	1000

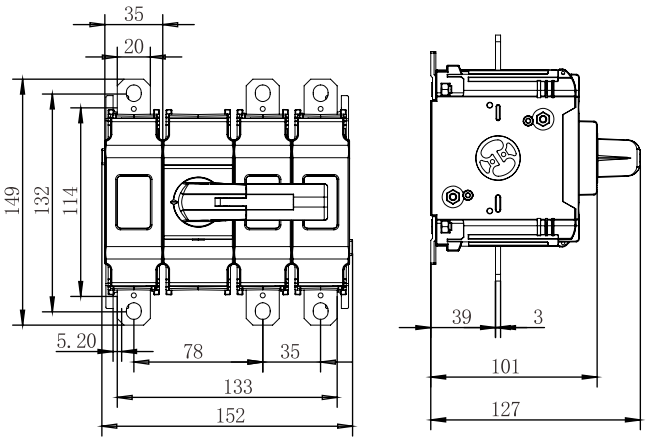
EHA Voltage AC Disconnector

Dimensions

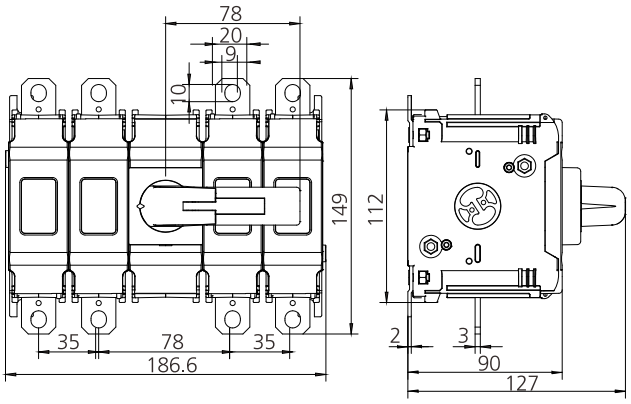
Frame EHA315R:EHA-DB-03



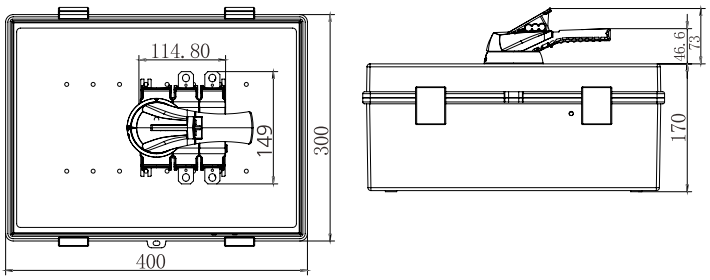
Frame EHA315R:EHA-DB-12



Frame EHA315:EHA-DB-22



Frame EHA315:EHA-EL-02



Frame EHA600:EHA-DB-03