

MCCB

Moulded Case Circuit Breaker

Fixed Type Series

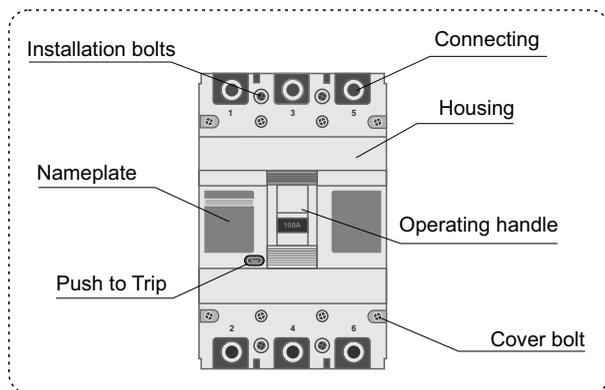


User Manual

In order to better use this product, please read this manual before use

Precautions Before use

Product appearance and names of each part



The environmental conditions for storage are show in the table

Project	Specification
Surrounding Temp	-40 ~+70
Relative Humidity	95% at Amb temp 25

Voltage value of circuit breaker

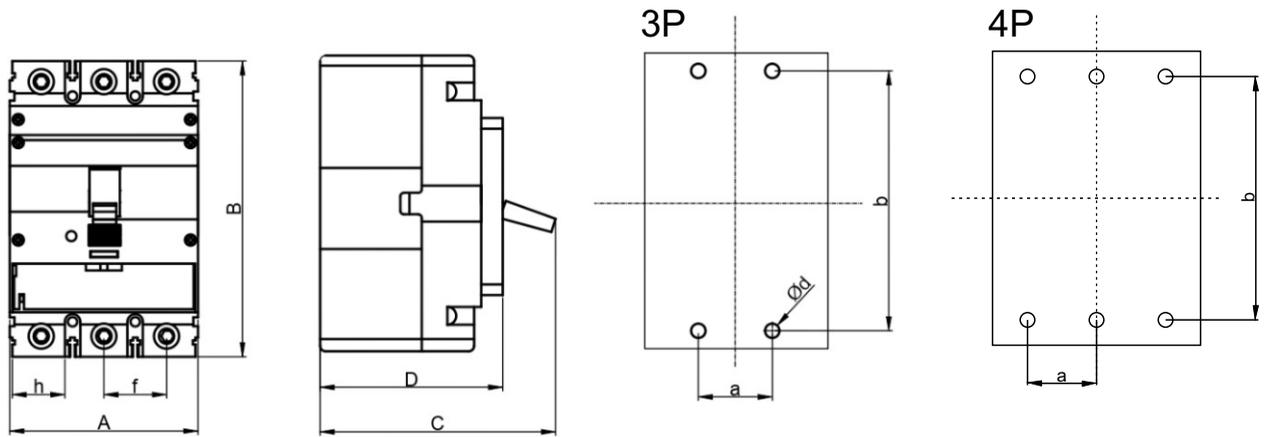
The rated working voltage U_e of the circuit breaker is AC400 and the rated insulation voltage U_i is 690V. The rated impulse withstand voltage U_{imp} is 6000V.

Type	Pole	In	U_e	U_i	I_{cu}	I_{cs}
		A Trip	VAC	VAC	kA	kA
POWERSHIELD-3P0063	3P	63A	400	690	35	22
POWERSHIELD-3P0080	3P	80A	400	690	35	22
POWERSHIELD-3P0100	3P	100A	400	690	35	22
POWERSHIELD-3P0125	3P	125A	400	690	35	22
POWERSHIELD-4P0063	4P	63A	400	690	35	22
POWERSHIELD-4P0080	4P	80A	400	690	35	22
POWERSHIELD-4P0100	4P	100A	400	690	35	22

Specification

Product specifications and values

Parameter	Value
Merk	DV
Rate voltage (U_e)	400V
Frecuency	50 Hz
Pole	3P / 4P
Arus	63-125A / 63-100A
U_{imp}	6kV
Temperature	+55 °C
Housing	Thermoset
MCCB category	Cat B (short time)
Standard	IEC 60947-2



Model	Poles	External dimensions				Installation dimensions				
		A	B	C	D	a	b	d	h	f
POWERSHIELD-3P0063	3P	92	151	88	72.3	30	129	4.5	18.5	30
POWERSHIELD-3P0080	3P	92	151	88	72.3	30	129	4.5	18.5	30
POWERSHIELD-3P0100	3P	92	151	88	72.3	30	129	4.5	18.5	30
POWERSHIELD-3P0125	3P	92	151	88	72.3	30	129	4.5	18.5	30
POWERSHIELD-4P0063	4P	120	150	88	72.3	60	129	4.5	18.5	30
POWERSHIELD-4P0080	4P	120	150	88	72.3	60	129	4.5	18.5	30
POWERSHIELD-4P0100	4P	120	150	88	72.3	60	129	4.5	18.5	30

Select connecting wires

The cross-sectional area used for connecting the wires and the corresponding rate current are show in the table

Rated Current (A)	63A	80A	100A	125A
Wire cross-sectional area (mm ²)	16mm ²	25mm ²	35mm ²	35mm ²
Copper bar (mm ²)	20x3	25x3	30x3	30x4