

# DC MCCB (100~800AF)

- Susol MCCB is suitable for DC application such as Photovoltaic Circuit Breaker, UPS and datacenter
- DC short circuit test tested by VDE
- Higher nominal voltage range up to 1000 VDC
- Rated Current : 16A~800A
- No of Pole: 2/3/4Pole



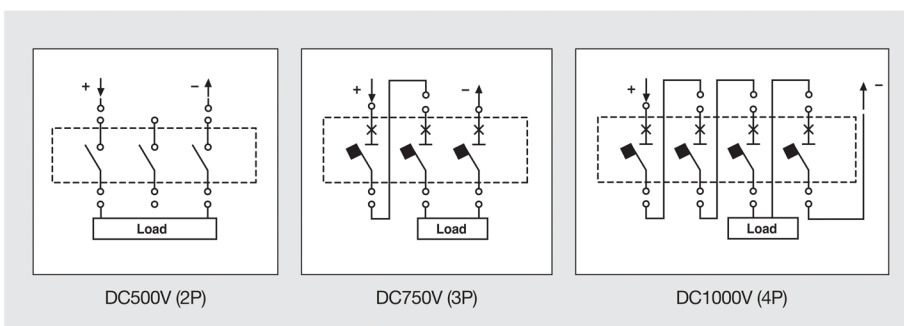
## Rating

Model		TD100	TD160	TS100	TS160	TS250	TS400	TS630	TS800
Frame size	(AF)	100	160	100	160	250	400	630	800
Rated current, In	(A)	16, 20, 25, 32, 40, 50, 63, 80, 100	100, 125, 160	40, 50, 63, 80, 100	100, 125, 160	125, 160, 200, 250	300, 400	500, 550	700 <sup>Note 5</sup> , 800
No. of poles	(Pole)	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4
Rated operational voltage, Ue (Vdc)	2Pole	500	500	500	500	500	500	500	500
	3Pole	750	750	750	750	750	750	750	750
	4Pole	1000	1000	1000	1000	1000	1000	1000	1000
Rated insulation voltage, Ui (V)	2Pole	800	800	800	800	800	800	800	800
	3Pole	800	800	800	800	800	800	800	800
	4Pole	1000	1000	1000	1000	1000	1000	1000	1000
Rated impulse withstand voltage Uimp (kV)		8	8	8	8	8	8	8	8
Rated ultimate short-circuit breaking capacity, Icu (kA)	Type	H	H	H	H	H	H	H	H
Rated service breaking capacity, Ics [%xIcu]	500VDC (2P)	40	40	40	40	40	40	40	40
	750VDC (3P)	40	40	40	40	40	40	40	40
	1000VDC (4P)	40	40	40	40	40	40	40	40
Trip Unit <sup>Note 4</sup> Function	FTU	●	●	●	●	●	●	●	●
	FMU	●	●	●	●	●	●	●	●
	ATU	-	-	-	●	●	●	●	●

Note)

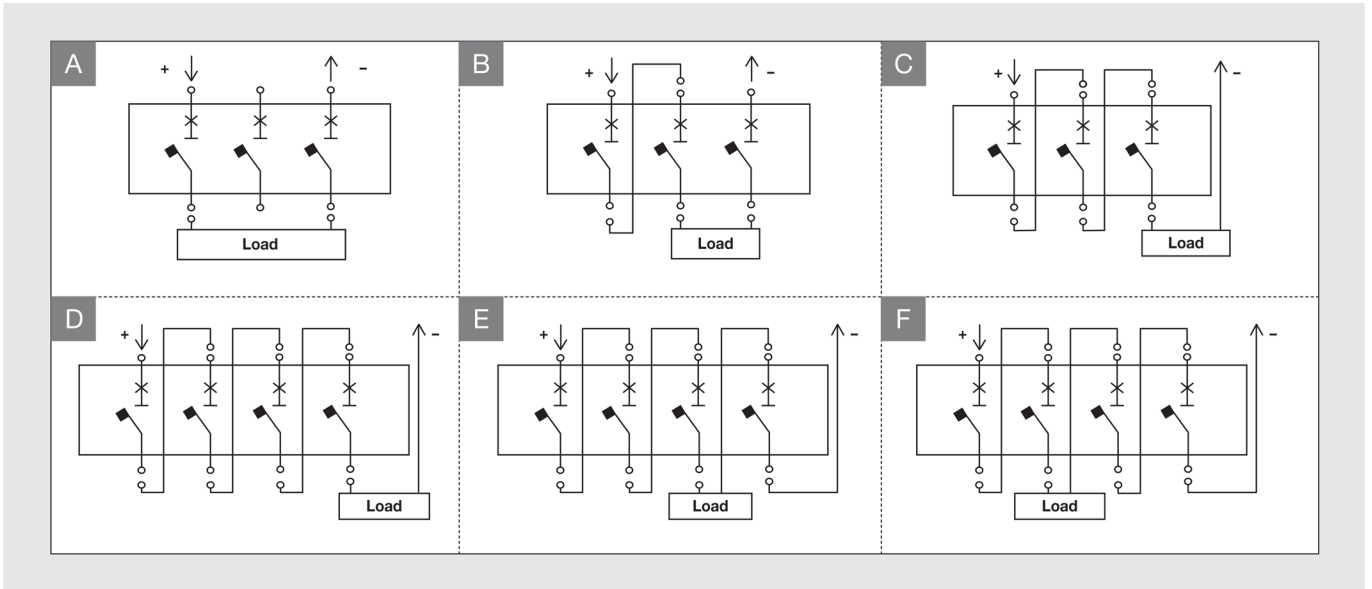
1. TD100/TD160 is the same Construction Frame.
2. TS100/TS160/TS250 is the same Construction Frame.
3. TS400/TS630 is the same Construction Frame.
4. Trip Unit Function have 3 Types (FTU/FMU/ATU)
  - FTU : Fixed thermal, fixed magnetic unit
  - FMU : Adjustable thermal, fixed magnetic unit
  - ATU : Adjustable thermal, adjustable magnetic unit
 (Not applicable to TS160 100A ATU)
5. 700A is only available for TS800FTU
6. 4Pole type MCCB is 4P4T.

## DC Exemplary circuit diagrams



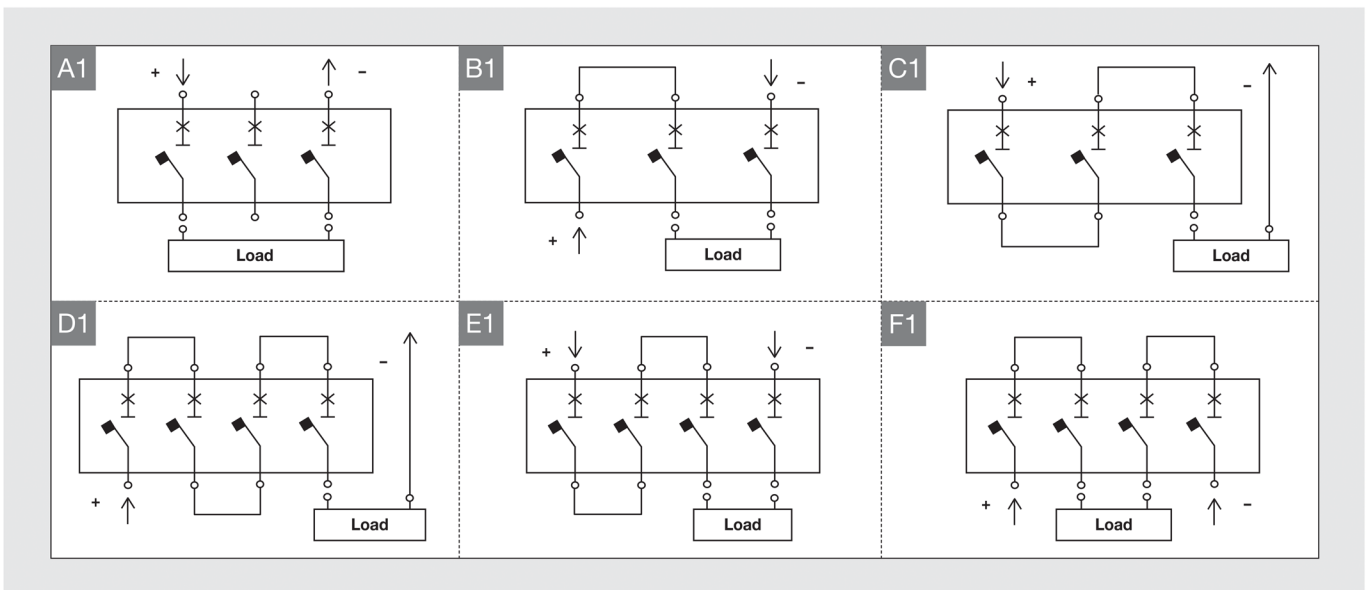
# Connection method by DC voltage

Operating voltage (DC)	Center point Connected to earth (A)	One pole connected to earth (B)	Insulated from Earth (C)
~250V	A	A	A
~500V	A	B, C	A
~750V	F	C, E	B
~1000V	F	D	E, F



※ Application of 4P4D product when applying 4-pole product

Operating voltage (DC)	Center point Connected to earth (A)	One pole connected to earth (B)	Insulated from Earth (C)
~250V	A1	A1	A1
~500V	A1	B1, C1	A1
~750V	F1	C1, E1	B1
~1000V	F1	D1	E1, F1



※ Application of 4P4D product when applying 4-pole product