

EVOLEC



NON
POLARIZED



THERMAL
PROTECTION



ELECTROMAGNETIC
PROTECTION



UNDERLOAD
DISCONNECTING



SHORT CIRCUIT
PROTECTION



DC MCCB
ELMDC-250PV-2P

DC MCCB (Breaker non-polarity & Circuit protection)

ELMDC

General

Directly control the on-off of the circuit through the handle, which is convenient for daily maintenance or quick cut-off of the power

supply in emergencies. When the current continuously exceeds the rated threshold, the thermal release device inside the circuit breaker

triggers a trip to prevent the line from overheating and damage. In response to large currents generated by sudden short-circuiting of the line, the circuit will be cut off instantaneously through the

electromagnetic release mechanism to avoid equipment damage or fire, It's also suitable for AC power.



Features

- Reliable protection at high ambient temperatures.
- Over load Protection.
- Tested: Ultimate short circuit breaking capacity Icu of 20kA according to IEC IEC60947-2.
- Fast: effectively prevent arc faults and melting.
- Safe: fast and accurate circuit interruption, short circuit protection, and adjustment functions, with good circuit interruption and short circuit performance
- Strong Arc extinguishing.
- Non-polarity
- Standards: IEC/EN 60947-2
- Quality Certificates: CE ISO 9001 RoHS



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Application

- Suitable for all DC applications such as PV systems, communications, Distribution and DC Storage systems (Batteries)

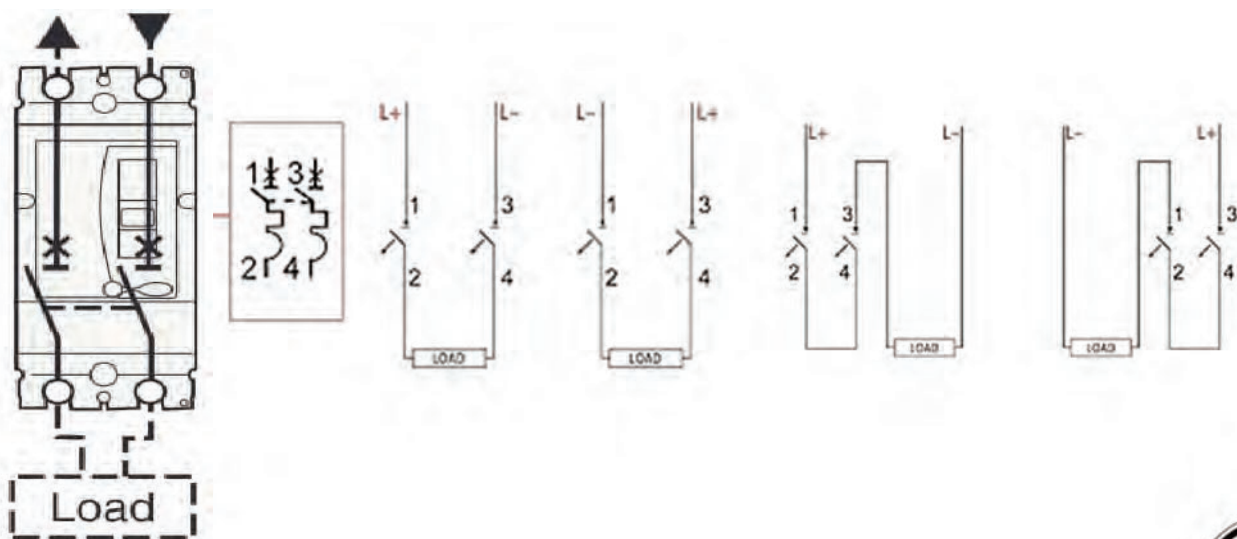
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Technical data

Pole	2P	4P
Rated voltage Ue (DC VI)	500 VDC	1000VDC
Rated Insulation Voltage Ui (V)	1000 V	
Rated Current In (A)	125/160/200/250 A	
Frame Degree Rated Current (A)	125/250	
Rated Frequency (Hz) when using AC power source	50/60 HZ	
Rated Impulse Withstand Voltage Uimp (KV)	8 KV	
Breaking capacity Icu (kA)	20	
Operating Breaking capacity Ics (kA)	15	
Trip Type:	Thermal-magnetic	
Mechanical Life (times)	20000	
Electrical Life (times)	3000	
Housing Material	Bakelite	
Conductor Material	Copper	
Operating Temperature	-35°C to+ 70°C	
Humidity	<95%	
Altitude	<2000m	
Installation	Fixed, plug	
Product Size L*W*H mm	165*75*108	165*141*108

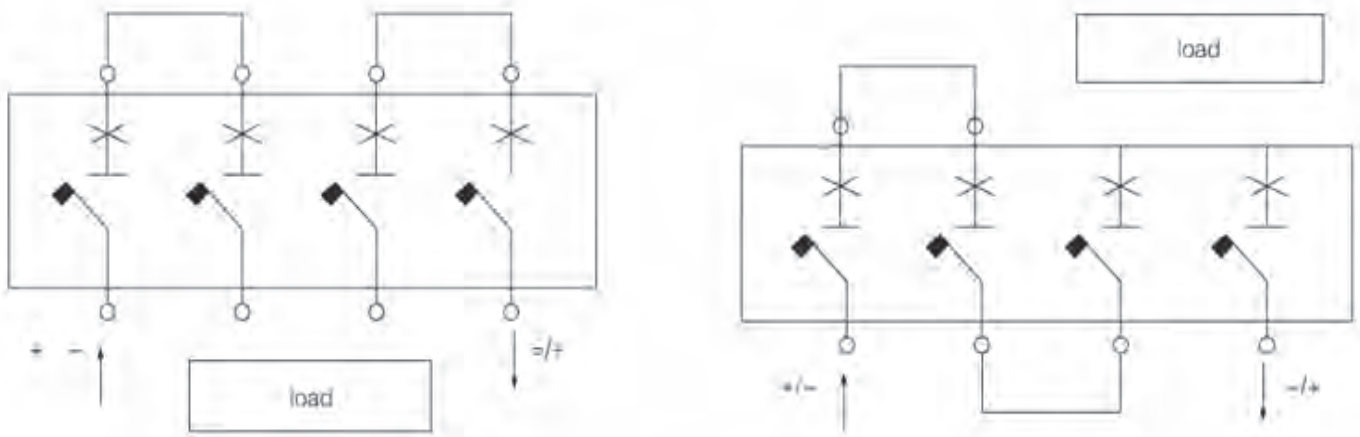
Connection and wiring diagram 2P



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4P



Tripping curve

