

Power LAB products

MCB2P



• MCB2P circuit breaker

High breaking capacity circuit breaker for DC systems. Current range from 32A to 125A and voltage up to 1000VDC. Compliant with IEC/EN60947-2 standard.



Overload and short-circuit protection function



Rated short-circuit breaking capacity up to 10kA



Available versions without polarity and with polarity



Rated current up to 125A



Rated voltage up to 1000V



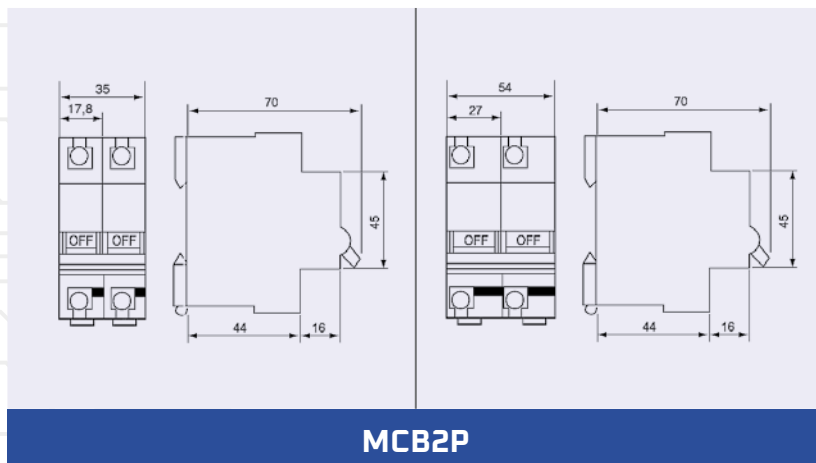
Designed for photovoltaics, energy storage and other DC applications



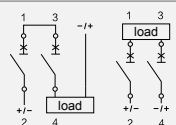
Standards AS 60947.3:2018 and IEC60947.1:2015

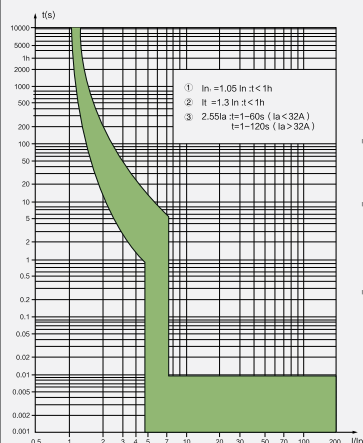


2-year warranty

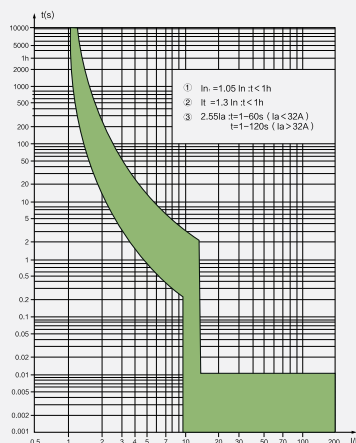
**MCB2P**

Product model		MCB2P	
Pole		2P	
Frame current		125A	
Rated current	I_n	32, 40, 50A	100, 125A
Rated operating voltage	U_e (DC)	200V	
Rated insulation voltage	U_i	1200V	
Rated impulse withstand voltage	U_{imp}	6kV	
Switching capacity	I_{cu}	10kA	
Trip characteristics		C	
Trip type		Thermal-magnetic	
Electrical life		300 cycles	
Mechanical life		9 700 cycles	
Overvoltage category		III	
Degree of contamination		3	
Protection against ingress		IP40, IP20 wiring port	
Resistance to moisture and heat		Class 2	
Conductor cross-section range for terminals		2,5 - 35 mm ²	
Terminal tightening torque		2,0 - 3,5Nm	
Operating temperature		-30°C ~ +70°C	
Ambient temperature		-40°C ~ +85°C	
Installation method		DIN	
Standard		IEC60947-2	

Connection diagram		2P 
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Triggering characteristics

- Suitable for resistive loads and micro-inductive circuits
- Available for rated currents 10A ~ 63A (63A frame), 80A ~ 125A (125A frame)
- Instantaneous operating range: $4I_n \pm 20\%$



- Suitable for general loads and power distribution circuits
- Available for rated currents 10A ~ 63A (63A frame), 80A ~ 125A (125A frame)
- Instantaneous operating range: $8I_n \pm 20\%$

