

EKM1-125 10KA MCB

ETЭК®

Mini Circuit Breaker

Standard_ IEC60947-2



Technical Data

Electrical Features	Rated current In	63,80,100,125A
	Poles	1P,1P+N,2P,3P,3P+N,4P
	Rated voltage Ue	240/415V~
	Insulation voltage Ui	500V
	Rated frequency	50/60Hz
	Rated breaking capacity	10,000A
	Energy limiting class	3
	Rated impulse withstand voltage(1.5/50) Uimp	4,000V
	Dielectric test voltage at ind. Freq. for 1 min	2kV
	Pollution degree	2
Thermo-magnetic release characteristic	8-12In	
Mechanical Features	Electrical life	4,000 Cycles
	Mechanical life	10,000 Cycles
	Contact position indicator	Yes
	Protection degree	IP20
	Reference temperature for setting of thermal element	30°C
	Ambient temperature (with daily average ≤35°C)	-5°C~+40°C
	Storage temperature	-25°C~+70°C
Installation	Terminal connection type	Cable/Pin-type busbar
	Terminal size top/bottom for cable	50mm ² 18-2AWG
	Terminal size top/bottom for busbar	50mm ² 18-2AWG
	Tightening torque	3.5Nm 30In-lbs
	Mounting	On DIN rail EN60715(35mm) by means of fast clip device
	Connection	Power supply in both directions

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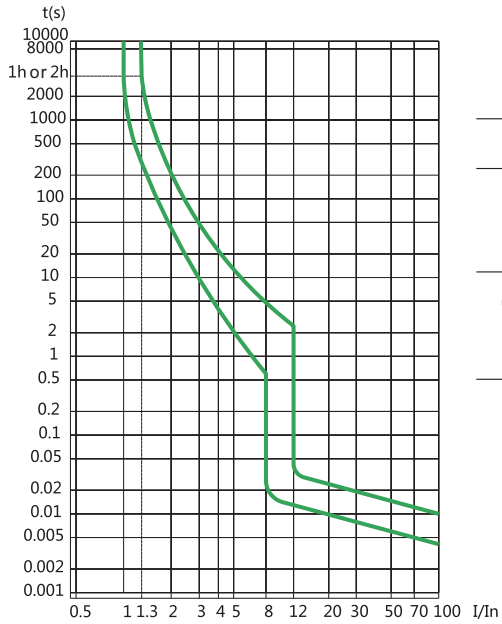
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MCB Characteristics

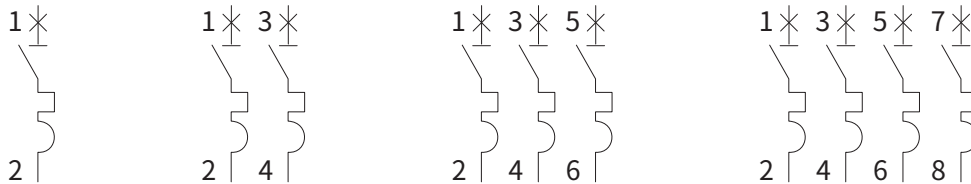
Characteristics

Curves



As per IEC60947	Thermal Tripping		Magnetic Tripping			
	No tripping current	Tripping current I_2	Time Limits t	Hold current I_4	Trip current I_5	Time Limits t
63-125A	$1.05 \times I_N$	$1.30 \times I_N$	$\geq 2h$ $< 1h$	$8 \times I_N$	$12 \times I_N$	$\geq 0.2s$ $< 0.2s$

Circuit Diagram



Overall and Installation Dimension(mm)

