EKM1-125S 6KA MCB





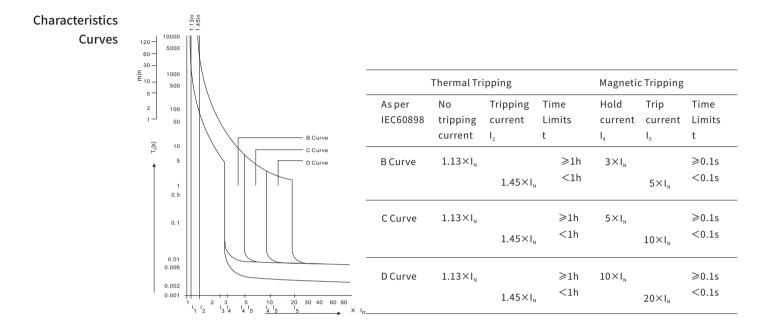
Technical Data

Electrical	Rated current In	63,80,100,125A
Features	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	6,000A
	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	B,C,D
Mechanical	Electrical life	
Features	Mechanical life	4,000 Cycles 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
	Storage temperature	-25 C+10 C
Installation	Terminal connection type	Cable/Pin-type busbar/U-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-Ibs
	Mounting	On DIN rail EN60715(35mm) by means of fast clip device
	Connection	Power supply in both directions

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Mini Circuit Breaker Standard IEC60898-1

MCB Characteristics



Tripping Based on the Tripping Characteristics, MCB are available in "B", "C" and "D" curve to suit different types of characteristics applications.

> "B" Curve for protection of electrical circuits with equipment that does not cause surge current (lighting and distribution circuits) Short circuit release is set to (3-5)In.

"C" Curve for protection of electrical circuits with equipment that cause surge current (inductive loads and motor circuits) Short circuit release is set to (5-10)In.

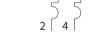
"D" Curve for protection of electrical circuits with cause high inrush current, typically 12-15 times the thermal rated current (transformes, x-ray machines etc.)Short circuit release is set to (10-20)In.

 $1 \times 3 \times$

 $5 \star$

Circuit Diagram





3 *

Overall and Installation Dimension(mm)

