

E² mining molded-case circuit breakers



Quality and reliability now in 1200 Vac

Eaton continues a longstanding tradition as the leader in electric power distribution and circuit protection for the mining industry with the first IEC certified 1200V mining molded-case circuit breaker. These mining molded-case breakers exemplify Eaton's lasting commitment to provide solutions for the harsh and demanding environments in the mining industry.

Key features

- IEC certified
- State-of-the-art proven performance
- Quality, dependability and reliability ensured by thorough testing
- Enhanced for mining
 - Meets key global mining standards for trailing cable applications
 - Expanded voltage settings
- Field-installable accessories

Product overview

State-of-the-art E² mining service breakers provide safe, reliable and sustainable power management in mining applications. They also incorporate the rigid specifications and testing procedures developed by a focus group of engineers from several large mining companies.

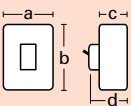
E² mining breakers are now available in 1200 Vac—Eaton's latest technological advancement for the mining industry.



EATON

Powering Business Worldwide

E² series 100–800A 1200 Vac

Features	K-Frame	L-Frame	M-Frame
Standard	IEC 60947-2 ❶	IEC 60947-2 ❶	IEC 60947-2 ❶
Insulation voltage, U _i (AC) 50–60 Hz	1200V	1200V	1200V
Rated uninterrupted current, I _u	100A 225A 125A 250A 150A 300A 175A 320A 200A 350A	300A 320A 350A 400A 450A	400A 500A 600A 630A 800A
Interrupting capacity rating, I _{cu}	10 kA	10 kA	12 kA
Rated service short-circuit breaking capacity, I _{cs}	10 kA	7.5 kA	6 kA
Magnetic trip range	500–3500	1500–4500	1000–4000
Rated impulse withstand voltage	8 kV	8 kV	8 kV
Ambient temperature (°C)	50	50	50
Poles	3	3	3
Trip unit	Magnetic only and thermal-magnetic	Magnetic only and thermal-magnetic	Magnetic only and thermal-magnetic
Category of use (IEC 60947-2)	A	A	A
Dimensions (mm)			

Accessories

Undervoltage release	UVR type	Handle reset w/ LED	120 Vac	120 Vac	120 Vac
	UVR type	Handle reset	110–127 Vac	110–127 Vac	110–127 Vac
			208–240 Vac	208–240 Vac	208–240 Vac
			110–125 Vdc	110–125 Vdc	110–125 Vdc
Shunt trip (left pole mounting)		Voltage rating	110–240 Vac 110–125 Vdc	110–240 Vac 110–125 Vdc	110–240 Vac 110–125 Vdc
Auxiliary switch (mounting location on right)		Number of contact sets (1A and 1B)	1 or 2	1 or 2	1 or 2

❶ Tested above IEC 60947-2 voltage maximum.

