



4

Characteristics and Outline Dimensions *TemBreak2*

Molded Case Circuit Breakers

(160A Frame)

E160-SF

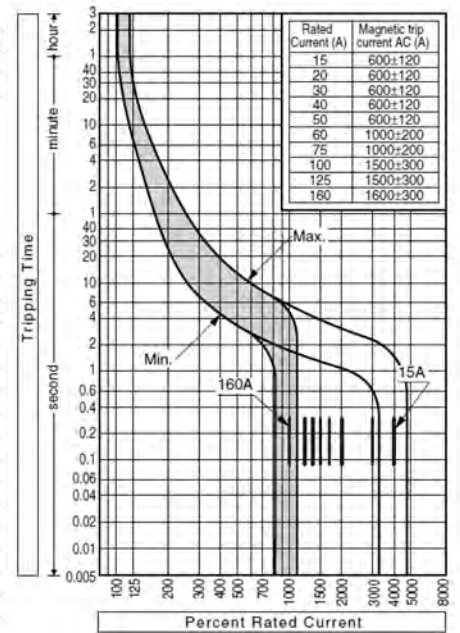
Ratings and Specifications

		E160-SF			
		2	3	4	
Type					
Number of poles		2	3	4	
■ Ratings					
Rated current, A		15	75		
Calibrated at 45°C		20	100		
		30	125		
		40	160		
		50			
		60			
Rated insulation voltage [U_i] V AC					
		690			
Rated impulse withstand voltage [U_{imp}] kV					
		8			
Utilization Category					
		A			
■ Rated breaking capacity, kA					
IEC60947-2	AC	690V	—	—	
I _{cu} /I _{cs} (sym)		500V	6/3	—	
		440V	10/5	—	
		415V	16/8	—	
		380V	16/8	—	
		240V	25/13	—	
	① DC	250V	—	—	
		125V	20/10	—	
■ Rated short time withstand current, kA					
		—	—	—	
Weight (' marked standard type) kg					
		0.6	0.8	1.0	
■ Connections and Mountings					
Front-connected (FC)	Terminal screws	●	—	—	
	With straight extension bars	○	—	—	
	With spread extension bars	—	—	—	
	Cable clamps	○	—	—	
Rear-connected (RC)	Bolt studs	—	—	—	
	Flat bar studs	—	—	—	
Plug-in (PM)	For switchboards Standard (PMC)	—	—	—	
	High-performance (PMB)	—	—	—	
	For distribution boards (PMC)	—	—	—	
Draw-out type (DR)					
		—	—	—	
TemPlug70 (PG)					
		—	—	—	
TemPlug45B (PG4)					
		—	—	—	
DIN rail mount					
		—	—	—	
Clip-in chassis mount					
		—	—	—	
■ Accessories (optional) Symbol					
Externally mounted	Motor operator	M C	—	—	
	External operating handle	Breaker-mounted	H B	—	
		Door-mounted (variable depth)	H P	—	
	Toggle extension		H A	—	
	Mechanical interlock	Slide type	M S	—	
	Toggle holder		H H	●	
	Toggle lock		H L	●	
	Externally mounted	Terminal cover	For front-connected	C F	●
			For rear-connected and plug-in	C R	—
			For cable clamps	C S	—
Interpole barrier		B A	—		
Terminal block for lead		T F	—		
Door flange		D F	●		
■ Standard specifications					
Overcurrent trip mechanism		Thermal-magnetic	—	—	
Trip button (color)		Yes (Red)	—	—	
Handle position indication (ON: Red, OFF: Green)		Yes	—	—	
Suitability for isolation		Yes	—	—	
CE marking		Yes	—	—	

Notes:

● : Standard. This configuration used unless otherwise specified. ○ : Optional standard. Specify when ordering.
 ● : "yes" or "available". — : "no" or "not available". ① : DC rating available on request.

Time/Current characteristic curves



Ambient Compensating Curves

