



4

Characteristics and Outline Dimensions *TemBreak2*

Molded Case Circuit Breakers

(250A Frame)

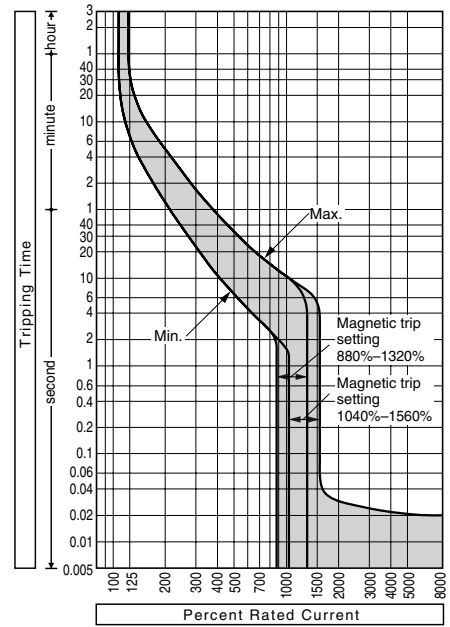
E250-SF, S250-SF

Ratings and Specifications

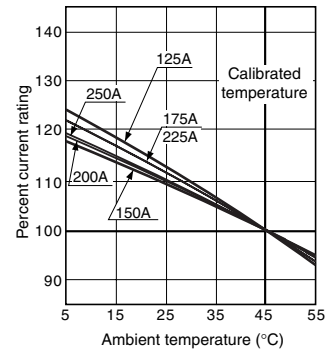
Type	E250-SF	S250-SF	Type		
Number of poles	2* 3 4	2* 3 4			
■ Ratings					
Rated current, A	125	125			
Calibrated at 40°C	150	150			
	175	175			
	200	200			
	225	225			
	250	250			
* center pole omitted					
Rated insulation voltage [U _i] V	AC 690	690			
Rated impulse withstand voltage [U _{imp}] kV	8	8			
Utilization Category	A	A			
■ Rated breaking capacity, kA					
IEC60947-2	AC 690V	—	4/2		
I _{cu} /I _{cs} (sym)	500V	10/7.5	25/13		
	440V	15/12	30/15		
	415V	25/19	40/20		
	380V	25/19	40/20		
	240V	35/27	85/43		
① DC	250V	15/12	25/13		
	125V	25/19	40/20		
■ Rated short time withstand current, kA					
Weight (● marked standard type) kg	1.5 1.5 1.9	1.5 1.5 1.9			
■ 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	●	●	
	Terminal cover	For front-connected	C F	●	●
		For rear-connected and plug-in	C R	●	●
		For cable clamps	C S	●	●
Interpole barrier		B A	● ③	● ③	
Terminal block for lead	T F	●	●		
Door flange	D F	●	●		
■ Standard specifications					
Overcurrent trip mechanism	Thermal-magnetic	Thermal-magnetic			
Trip button (color)	Yes (Red)	Yes (Red)			
Handle position indication (ON: Red, OFF: Green)	Yes	Yes			
Suitability for isolation	Yes	Yes			
CE marking	Yes	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.
 ③ : Line side interpole barriers are supplied as standard. (Front connection only)

Time/Current characteristic curves



Ambient Compensating Curves



Combinations of Internally Mounted Accessories (Optional)

Poles	AX	AL	SH	UV	AX	AX	AX	AL	AL	AX	AX
4	Auxiliary switch	Alarm switch	Shunt trip	Under voltage trip	AL	SH	UV	SH	UV	AL	UV
3											
2											
1											

Legend: Left pole, Right pole, Toggle

