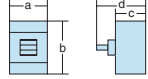


2

Ratings and Specifications

Moulded Case Circuit Breakers

4 Current limiting series

Frame size (A)			L125-NJ		L160-NJ		L250-NJ		L400-NE		L800-NE											
Type			3	4	3	4	3	4	3	4	3	4										
Number of poles																						
■ Ratings																						
Rated current, A			20		160		160	250	$I_n=250$ $I_n=400$		$I_n=630$ $I_n=800$ ③											
32																						
50																						
63									Ⓢ		Ⓢ											
100																						
125																						
Calibrated at			50°C		50°C		50°C ③		—		—											
Rated insulation voltage [U_i] V AC			800		800		800		800		800											
Rated impulse withstand voltage [U_{imp}] kV			8		8		8		8		8											
Rated short time withstand current [I_{cw}] kA			—		—		—		5.0 (0.3sec.)		10 (0.3sec.)											
Utilization Category			A		A		A		B		B											
■ Rated breaking capacity, kA																						
IEC 60947-2 AC			690V		25/20		25/20		25/20		50/50		25/20 ③									
I_{cu}/I_{cs} (sym)			525V		65/65		65/65		65/65		65/65		45/34									
			480V		65/65		65/65		65/65		65/65		45/34									
			440V		180/135		180/135		180/135		180/135		180/135									
			415V		200/150		200/150		200/150		200/150		200/150									
			240V		200/150		200/150		200/150		200/150		200/150									
DC			250V		40/40		40/40		40/40		—		—									
■ External dimensions, mm																						
			a		105		140		105		140		140		185		210		280			
			b		165		165		165		260		260		273							
			c		103		103		103		140		140		140							
			d		127		127		127		182		182		182							
Weight (● marked standard type) kg			2.4		3.2		2.4		3.2		2.4		3.2		7.1		9.4		14.8①		18.8②	
■ Connections and Mountings																						
Front-connected	Terminal screws	(FC)	●		●		●		●		●		—		—		—		—			
	With extension bars	(FB)	○ ⑤		○ ⑤		○ ⑤		○ ⑤		○		●		—		—		—			
	Cable clamp	(FW)	○		○		○		○		○		—		—		—		—			
Rear-connected	Flat bar studs	(RC)	○		○		○		○		○		○		—		—		—			
Plug-in (PM)	For switchboards	(PMB)	○ ②④		○ ②④		○ ②④ ③③		○ ②④		○ ②④		○ ②④		—		—		—			
Draw-out type	(DR)		—		—		—		—		—		—		—		—		—			
DIN rail mount	(DA)		—		—		—		—		—		—		—		—		—			
■ Overcurrent trip mechanism																						
	Thermal magnetic	Adjustable thermal	ADJ		●		●		●		—		—		—		—		—			
		Fixed thermal	FIX		—		—		—		—		—		—		—		—			
Electronic		TPOP	—		—		—		—		—		—		—		—		—			
		TPOP	—		—		—		—		—		—		—		—		—			
		XOU	—		—		—		—		● ②①		● ②①		—		—		—			
		XOS	—		—		—		—		—		—		—		—		—		—	
		XOS	—		—		—		—		—		—		—		—		—		—	
■ Accessories (optional)																						
Internally mounted	Auxiliary switch	A X	●		●		●		●		●		●		●		●		●			
	Alarm switch	A L	●		●		●		●		●		●		●		●		●			
	Shunt trips	S H	●		●		●		●		●		●		●		●		●			
Undervoltage trips	U V	●		●		●		●		●		●		●		●		●				
	Motor operator	M C	●		●		●		●		●		●		●		●		●			
Externally mounted	External operating handle	Breaker-mounted	H B		●		●		●		●		●		●		●		●			
		Door-mounted (variable depth)	H P		●		●		●		●		●		●		●		●			
Toggle extension	Mechanical interlock	H A	—		—		—		—		●		●		●		●		●			
		Slide type	M S		●		●		●		●		●		●		●		●			
		Link type	M L		●		●		●		●		●		●		●		●			
		Wire type	M W		●		●		●		●		●		●		●		●			
		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		●		●		●		●		●		—		—		—				
Terminal block for lead	T F		●		●		●		●		●		●		●		●					
Door flange	D F		●		●		●		●		●		●		●		●					
CE marking			Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes					
Colour of cover			Grey Blue		Grey Blue		Grey Blue		Grey Blue		Grey Blue		Grey Blue		Grey Blue		Grey Blue					
Trip button (Colour)			Yes (Red)		Yes (Red)		Yes (Red)		Yes (Red)		Yes (Red)		Yes (Red)		Yes (Red)		Yes (Red)					
Suitability for isolation			Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes					
Reverse connection			Yes ⑥		Yes ⑥		Yes ⑥		Yes		Yes		Yes		Yes		Yes					
Endurance	Electrical	415V	30,000		20,000		10,000		4,500		4,000		4,000		4,000		4,000					
	Mechanical		30,000		30,000		30,000		15,000		15,000		15,000		15,000		15,000					

Notes:

- : Standard. This configuration used unless otherwise specified. ○ : Optional standard. Specify when ordering. ● : "yes" or "available". — : "no" or "not available".
- ⑤ : For the extension bars, please place the order separately in parts.
- ⑥ : Available up to 525V AC ① : 13.3kg/630A, 14.8kg/800A ② : 16.8kg/630A, 18.8kg/800A
- ②① : Optional preferential alarm or ground fault trip function available on request.
- ②④ : A safety lock function is provided. ③③ : Max. rating 219A at 50°C for Plug-in
- ③④ : Max. rating 720A at 50°C ③⑤ : Calibrated at 30°C for Plug-in 250A
- ③⑥ : For (I_n) rated current settings (A) please refer to Section 7.
- ③⑦ : MCCB cannot be used in IT systems at this voltage.