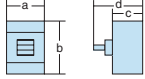


Frame size (A)			H125-NJ		H160-NJ		H250-NJ		H250-NE		P400S		H400-NE	
Type			3	4	3	4	3	4	3	4	3	4	3	4
Number of poles														
Ratings														
Rated current, A			20 32 50 63 100 125		160		160 250		$I_n=40$ $I_n=125$ $I_n=160$ $I_n=250$ ④⑦		250 400	$I_n=250$ $I_n=400$	$I_n=250$ $I_n=400$	
Calibrated at			50°C		50°C		50°C ③⑥		—		50°C		—	
Rated insulation voltage [U_i] V AC			800		800		800		800		800		800	
Rated impulse withstand voltage [U_{imp}] kV			8		8		8		8		8		8	
Rated short time withstand current [I_{cw}] kA			—		—		—		—		—	5.0 (0.4sec.)	5.0 (0.3sec.)	
Utilization Category			A		A		A		A		A	B	B	
Rated breaking capacity, kA														
IEC 60947-2			AC	690V	20/15	20/15	20/15	20/15	20/15	12/12	12/12 ③⑨	35/35		
I_{cu}/I_{cs} (sym)				525V	45/45	45/45	45/45	45/45	45/45	50/50	50/50	45/45		
				480V	45/45	45/45	45/45	45/45	45/45	65/65	65/65	45/45		
				440V	120/80	120/80	120/80	120/80	120/80	100/100	100/100	120/80		
				415V	125/85	125/85	125/85	125/85	125/85	110/110	110/110	125/85		
				240V	150/150	150/150	150/150	150/150	125/125	125/125	125/125	150/150		
			DC	250V	40/40	40/40	40/40	—	—	50/50	—	—		
External dimensions, mm														
				a 105 140 b 165 c 103 d 127	105 165 103 127	105 165 103 127	105 165 103 127	105 165 103 127	140 260 103 151	140 260 103 151	140 260 103 151	140 260 103 151	140 260 103 151	
Weight (● marked standard type) kg				2.4 3.2	2.4 3.2	2.4 3.2	2.4 3.2	2.5 3.3	5.5 7.3	5.7 7.5	7.1 9.4			
Connections and Mountings														
Front-connected			Terminal screws (FC)	●	●	●	●	●	●	●	●	●	●	●
			With extension bars (FB)	○ ⑤	○ ⑤	○ ⑤	○ ⑤	○ ⑤	○	○	○	○	○	○
			Cable clamp (FW)	○	○	○	○	○	○	○	○	○	○	○
Rear-connected			Flat bar studs (RC)	○	○	○	○	○	○	○	○	○	○	○
Plug-in (PM)			For switchboards (PMB)	○ ②④	○ ②④	○ ②④ ③③	—	—	○ ②③	○ ②③	○ ②③	○ ②④	—	—
Draw-out type			(DR)	—	—	—	—	—	—	—	—	—	—	—
DIN rail mount			(DA)	—	—	—	—	—	—	—	—	—	—	—
Overcurrent trip mechanism			OCR type											
Thermal magnetic			Adjustable thermal ADJ	●	●	●	—	—	●	—	—	—	—	—
			Fixed thermal FIX	—	—	—	—	—	—	—	—	—	—	—
Electronic			TPOT	—	—	—	—	—	—	●	—	—	—	—
			TPOP	—	—	—	—	—	—	●	—	—	—	—
			XOU	—	—	—	—	● ②①	—	—	—	● ②①	—	—
			XOS	—	—	—	—	—	—	—	—	—	—	—
Accessories (optional)			Symbol											
Internally mounted			Auxiliary switch A X	●	●	●	●	●	●	●	●	●	●	●
			Alarm switch A L	●	●	●	●	●	●	●	●	●	●	●
			Shunt trips S H	●	●	●	●	●	●	●	●	●	●	●
			Undervoltage trips U V	●	●	●	●	●	●	●	●	●	●	●
			Motor operator M C	●	●	●	●	●	●	●	●	●	●	●
			External operating handle H B	●	●	●	●	●	●	●	●	●	●	●
			Door-mounted (variable depth) H P	●	●	●	●	●	●	●	●	●	●	●
			Toggle extension H A	—	—	—	—	—	●	●	●	●	●	●
Externally mounted			Mechanical Slide type M S	●	●	●	●	●	●	●	●	●	●	●
			interlock ①⑨ Link type M L	●	●	●	●	●	●	●	●	●	●	●
			Wire type MW	●	●	●	●	●	●	●	●	●	●	●
			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	Yes	Yes	Yes
Colour of cover				Grey Blue	Grey Blue	Grey Blue	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)	Yes (Red)	Yes (Red)	Yes (Red)
Suitability for isolation				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Reverse connection				Yes ⑥	Yes ⑥	Yes ⑥	Yes ⑥	Yes ⑥	Yes ⑥	Yes	Yes	Yes	Yes	Yes
Endurance			Electrical 415V	30,000	20,000	10,000	10,000	6,000	6,000	4,500				
			Mechanical	30,000	30,000	30,000	30,000	15,000	15,000	15,000				

Notes:

● : Standard. This configuration used unless otherwise specified. ○ : Optional standard. Specify when ordering. ▲ : Semi-standard. ● : "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

①⑨ : Mechanical interlocks cannot be applied to draw-out type (DR). ②① : Optional preferential alarm or ground fault trip function available on request.

②① : Optional preferential trip alarm function available on request. ②③ : A safety trip function is provided.

②④ : A safety lock function is provided. ③③ : Max. rating 219A at 50°C for Plug-in

③⑥ : Calibrated at 30°C for Plug-in 250A ③⑧ : For (I_n) rated current settings (A) please refer to Section 7.

③⑨ : MCCB cannot be used in IT systems at this voltage.

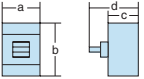
④⑦ : Max. rating 237.5A at 50°C.

2

Ratings and Specifications

Moulded Case Circuit Breakers

3 High-fault level series

Frame size (A)																				
Type			P630S			H800-NE														
Number of poles			3		4	3		4	3		4									
■ Ratings																				
Rated current, A			630 ①			$I_n=630$			$I_n=630$		$I_n=800$ ③									
						③			③											
Calibrated at			30°C			—			—											
Rated insulation voltage [U_i] V AC			800			800			800											
Rated impulse withstand voltage [U_{imp}] kV			8			8			8											
Rated short time withstand current [I_{cw}] kA			—			—			10 (0.3sec.)											
Utilization Category			A			A			B											
■ Rated breaking capacity, kA																				
IEC 60947-2			AC		690V	12/12		12/12 ③	25/20 ③											
$I_{cu}/I_{cs}(sym)$					525V	50/50		50/50	45/34											
					480V	65/65		65/65	45/34											
					440V	100/100		100/100	125/94											
					415V	110/110		110/110	125/94											
					240V	125/125		125/125	150/150											
			DC		250V	50/50		—	—											
■ External dimensions, mm																				
			a		140	185	140		185	210		280								
			b		260		260		273											
			c		103		103		140											
			d		151		151		182											
Weight (● marked standard type) kg			5.9		7.8	6.0		8.0	14.8①		18.8②									
■ Connections and Mountings																				
Front-connected	Terminal screws	(FC)	●		●		—		—											
	With extension bars	(FB)	○		○		●		—											
	Cable clamp	(FW)	○		○		—		—											
Rear-connected	Flat bar studs	(RC)	○		○		○		○											
Plug-in (PM)	For switchboards	(PMB)	—		○ ②③ ③		○ ②④		—											
Draw-out type		(DR)	—		▲ ③		—		—											
DIN rail mount		(DA)	—		—		—		—											
■ Overcurrent trip mechanism			OCR type																	
Thermal magnetic	Adjustable thermal	ADJ	●		—		—		—											
	Fixed thermal	FIX	—		—		—		—											
Electronic		TPOT	—		●		—		—											
		TPOP	—		●		—		—											
		XOU	—		—		● ②⑤		—											
		XOS	—		—		—		—											
■ Accessories (optional)			Symbol																	
Internally mounted	Auxiliary switch	A X	●		●		●													
	Alarm switch	A L	●		●		●													
	Shunt trips	S H	●		●		●													
	Undervoltage trips	U V	●		●		●													
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 ①⑨	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													
Colour of cover			Grey Blue		Grey Blue		Grey Blue													
Trip button (Colour)			Yes (Red)		Yes (Red)		Yes (Red)													
Suitability for isolation			Yes		Yes		Yes													
Reverse connection			Yes		Yes		Yes													
Endurance	Electrical	415V	4,000		4,000		4,000													
	Mechanical		15,000		15,000		15,000													