

Protection of distribution systems

Compact NS circuit breakers from 630b up to 3200 A



Compact NS800L.



Compact NS2000H.

Compact circuit breakers

Number of poles					
Control	manual	toggle			
	electric	direct or extended rotary handle			
Type of circuit breaker					
Connections	fixed	front connection			
		rear connection			
		front connection with bare cables			
	withdrawable (on chassis)	front connection			
		rear connection			
Electrical characteristics as per Nema AB1					
Breaking capacity at 60 Hz (kA)			240 V		
			480 V		
			600 V		
Electrical characteristics as per IEC 60947-2 and EN 60947-2					
Rated current (A)	In	50 °C			
		65 °C ⁽¹⁾			
Rated insulation voltage (V)	Ui				
Rated impulse withstand voltage (kV)	Uimp				
Rated operational voltage (V)	Ue	AC 50/60 Hz			
Type of circuit breaker					
Ultimate breaking capacity (kA rms)	Manual	Icu	AC	220/240 V	
			50/60 Hz	380/415 V	
				440 V	
	Ics	AC	220/240 V		
		50/60 Hz	380/415 V		
			440 V		
Electrical	Icu	AC	220/240 V		
		50/60 Hz	380/415 V		
			440 V		
	Ics	AC	220/240 V		
		50/60 Hz	380/415 V		
			440 V		
Short-time withstand current (kA rms)	Icw	AC	1 s		
		50/60 Hz	3 s		
	Integrated instantaneous protection		kA peak ±10 %		
	Suitability for isolation				
	Utilisation category				
Durability (C-O cycles)	mechanical		440 V	In/2	
				In	
			690 V	In/2	
	electrical			In	
Pollution degree					

⁽¹⁾ 65 °C with vertical connections. See the temperature derating tables for other types of connections.

⁽²⁾ Ics: 100 % Icu for breaking capacity 440V/500V/660V
Ics: 75 % Icu for breaking capacity 220V/380V.

	NS630b				NS800				NS1000				NS1250				NS1600				NS1600b				NS2000				NS2500				NS3200			
	3, 4				3, 4				3, 4				3, 4				3, 4				3, 4				3, 4				3, 4				3, 4			
	■				■				■				■				■				■				■				■				■			
	■				■				■				■				■				■				■				■				■			
	■ (except LB)				■				■				■				■				■				■				■				■			
	N		H		L		LB		N		H		L		N		H		N		H		N		H		N		H		N		H			
	■		■		■		-		■		■		■		■		■		■		■		■		■		■		■		■		■			
	■		■		■		■		■		■		■		■		■		■		■		■		■		■		■		■		■			
	■		■		-		-		■		■		-		-		-		-		-		-		-		-		-		-		-			
	■		■		■		■		■		■		■		■		■		■		■		■		■		■		■		■		■			
	■		■		■		■		■		■		■		■		■		■		■		■		■		■		■		■		■			
	N		H		L		LB		N		H		L		N		H		N		H		N		H		N		H		N		H			
	50	65	125	200	50	65	125	200	50	65	125	200	50	65	50	65	50	65	85	125	85	125	85	125	85	125	85	125	85	125	85	125				
	35	50	100	200	35	50	100	200	35	50	100	200	35	50	35	50	35	50	65	85	65	85	65	85	65	85	65	85	65	85	65	85				
	25	50	-	100	25	50	-	100	25	50	-	100	25	50	25	50	25	50	50	-	50	-	50	-	50	-	50	-	50	-	50	-				
	630				800				1000				1250				1600				1600				2000				2500				3200			
	630				800				1000				1250				1510				1550				1900				2500				2970			
	800				800				800				800				800				800				800				800				800			
	8				8				8				8				8				8				8				8				8			
	690				690				690				690				690				690				690				690				690			
	N		H		L		LB		N		H		L		N		H		N		H		N		H		N		H		N		H			
	85	85	150	200	85	85	150	200	85	85	150	200	85	85	85	85	85	85	85	125	85	125	85	125	85	125	85	125	85	125	85	125				
	50	70	150	200	50	70	150	200	50	70	150	200	50	70	50	70	50	70	70	85	70	85	70	85	70	85	70	85	70	85	70	85				
	50	65	130	200	50	65	130	200	50	65	130	200	50	65	50	65	50	65	65	85	65	85	65	85	65	85	65	85	65	85	65	85				
	40	50	100	100	40	50	100	100	40	50	100	100	40	50	40	50	40	50	65	-	65	-	65	-	65	-	65	-	65	-	65	-				
	30	42	-	75	30	42	-	75	30	42	-	75	30	42	30	42	30	42	65	-	65	-	65	-	65	-	65	-	65	-	65	-				
	50	52	150	200	50	52	150	200	50	52	150	200	50	52	37	37	37	37	65	94	65	94	65	94	65	94	65	94	65	94	65	94				
	50	52	150	200	50	52	150	200	50	52	150	200	50	52	37	37	37	37	52	64	52	64	52	64	52	64	52	64	52	64	52	64				
	50	48	130	200	50	48	130	200	50	48	130	200	50	48	25	32	25	32	65	64	65	64	65	64	65	64	65	64	65	64	65	64				
	40	37	100	100	40	37	100	100	40	37	100	100	40	37	20	25	20	25	65	-	65	-	65	-	65	-	65	-	65	-	65	-				
	30	31	-	75	30	31	-	75	30	31	-	75	30	31	15	21	15	21	65	-	65	-	65	-	65	-	65	-	65	-	65	-				
	50	70	150	-	50	70	150	-	50	70	150	-	50	70	50	70	50	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	50	70	150	-	50	70	150	-	50	70	150	-	50	70	50	70	50	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	50	65	130	-	50	65	130	-	50	65	130	-	50	65	50	65	50	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	40	50	100	-	40	50	100	-	40	50	100	-	40	50	40	50	40	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	30	42	-	-	30	42	-	-	30	42	-	-	30	42	30	42	30	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	37	35	150	-	37	35	150	-	37	35	150	-	37	35	37	35	37	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	37	35	150	-	37	35	150	-	37	35	150	-	37	35	37	35	37	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	37	32	130	-	37	32	130	-	37	32	130	-	37	32	37	32	37	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	30	25	100	-	30	25	100	-	30	25	100	-	30	25	30	25	30	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	22	21	-	-	22	21	-	-	22	21	-	-	22	21	22	21	22	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	19.2	19.2	-	-	19.2	19.2	-	-	19.2	19.2	-	-	19.2	19.2	19.2	19.2	19.2	19.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	-	-	-	-	-	-	-	-	-	-	-	-				
	40	40	-	-	40	40	-	-	40	40	-	-	40	40	40	40	40	40	130	-	-	-	-	-	-	-	-	-	-	-	-	-				
	■				■				■				■				■				■				■				■							
	B		A		B		A		B		A		B		B		B		B		B		B		B		B		B		B		B			
	10000				10000				10000				10000				10000				5000				5000				5000							
	6000	6000	4000	4000	6000	6000	4000	4000	5000	5000	4000	4000	5000	5000	5000	2000	2000	2000	3000	3000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000				
	5000	5000	3000	3000	5000	5000	3000	3000	4000	4000	3000	3000	4000	4000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000				
	4000	4000	3000	3000	4000	4000	3000	3000	3000	3000	3000	3000	3000	3000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000				
	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000				
	3				3				3				3				3				3				3				3							