

P5101669R_38



Compact NS800L

E451781R_48



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 IEC 60947-2 and EN 60947-2			
Rated current (A)	I_n	50 °C	
		65 °C ⁽¹⁾	
Rated insulation voltage (V)	U_i		
Rated impulse withstand voltage (kV)	U_{imp}		
Rated operational voltage (V)	U_e	AC 50/60 Hz	
Type of circuit breaker			
Ultimate breaking capacity (kA rms)	I_{cu}	AC	220/240 V
		50/60 Hz	380/415 V
			440 V
			500/525 V
			660/690 V
Service breaking capacity (kA rms)	I_{cs}	Value or % I _{cu}	manual operation
			electrical operation
Short-time withstand current (kA rms)	I_{cw}	AC 50/60 Hz	1 s
			3 s
Integrated instantaneous protection		kA peak ±10 %	
Suitability for isolation			
Utilisation category			
Durability (C-O cycles)	mechanical		
	electrical	440 V	I _n /2
			I _n
		690 V	I _n /2
			I _n
Pollution degree			
Electrical characteristics as per Nema AB1			
Breaking capacity at 60 Hz (kA)			240 V
			480 V
			600 V
Protection and measurements			
Interchangeable control units			
Overload protection	long time	I_r (I _n x ...)	
Short-circuit protection	short time	I_{sd} (I _r x ...)	
	instantaneous	I_i (I _n x ...)	
Earth-fault protection		I_g (I _n x ...)	
Residual earth-leakage protection		I_{Δn}	
Zone selective interlocking		ZSI	
Protection of the fourth pole			
Current measurements			
Remote communication by bus			
Device-status indication			
Device remote operation			
Transmission of settings			
Indication and identification of protection devices and alarms			
Transmission of measured current values			
Additional indication and control auxiliaries			
Indication contacts			
Voltage releases		MX shunt release/MN undervoltage release	
Installation			
Accessories			
		terminal extensions and spreaders	
		terminal shields and interphase barriers	
		escutcheons	
Dimensions fixed devices, front connections (mm)		3P	
H x W x D		4P	
Weight fixed devices, front connections (kg)		3P	
		4P	
Source changeover system (see section on "source changeover systems")			
Manual, remote-operated and automatic source changeover systems			

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

(2) I_{cs}: 100 % I_{cu} for breaking capacity 440V/500V/660V
I_{cs}: 75 % I_{cu} for breaking capacity 220V/380V.

Compact NS

NS630b NS800				NS1000			NS1250		NS1600		NS1600b	NS2000	NS2500	NS3200
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		
■	■	■	■	■	■	■	■	■	■	■	■	■		
■	■	■	■	■	■	■	■	■	■	■	-	-		
■	■	-	-	■	■	-	■	■	-	-	-	-		
■	■	■	■	■	■	■	■	■	■	■	-	-		
■	■	■	■	■	■	■	■	■	■	■	-	-		
630	800			1000			1250		1600		1600	2000	2500	3200
630	800			1000			1250		1510		1550	1900	2500	2970
800				800			800		800		800			
8				8			8		8		8			
690				690			690		690		690			
N	H	L	LB	N	H	L	N	H	N	H	N	H		
50	70	150	200	50	70	150	50	70	50	70	85	125		
50	70	150	200	50	70	150	50	70	50	70	70	85		
50	65	130	200	50	65	130	50	65	50	65	65	85		
40	50	100	100	40	50	100	40	50	40	50	65	-		
30	42	25	75	30	42	25	30	42	30	42	65	-		
100 %	75 %	100 %	100 %	100 %	75 %	100 %	100 %	75 %	75 %	50 %	100 % ⁽²⁾	75 %		
75 %	50 %	100 %	-	75 %	50 %	100 %	75 %	50 %	75 %	50 %	100 % ⁽²⁾	75 %		
19.2	19.2	7	5	19.2	19.2	7	19.2	19.2	19.2	19.2	-	-		
-	-	-	-	-	-	-	-	-	-	-	32	32		
40	40	-	-	40	40	-	40	40	40	40	130	130		
■				■			■		■		■			
B	B	A	A	B	B	A	B	B	B	B	B	B		
10000				10000			10000		10000		5000			
6000	6000	4000	4000	6000	6000	4000	5000		5000		3000			
5000	5000	3000	3000	5000	5000	3000	4000		2000		2000			
4000	4000	3000	3000	4000	4000	3000	3000		2000		2000			
2000	2000	2000	2000	2000	2000	2000	2000		1000		1000			
III				III			III		III		III			
N	H	L	LB	N	H	L	N	H	N	H	N	H		
50	65	125	200	50	65	125	50	65	50	65	85	125		
35	50	100	200	35	50	100	35	50	35	50	65	85		
25	50	-	100	25	50	-	25	50	25	50	50	-		
Micrologic 2.0				Micrologic 5.0			Micrologic 2.0 A		Micrologic 5.0 A		Micrologic 6.0 A		Micrologic 7.0 A	
■				■			■		■		■		■	
-				■			-		■		■		■	
■				■			■		■		■		■	
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■				■			■		■		-		-	
327 x 210 x 147											350 x 420 x 160			
327 x 280 x 147											350 x 535 x 160			
14											24			
18											36			
■				■			■		■		-			