

Moulded Case Circuit Breaker & Distribution Board 塑殼斷路器及配電箱

Compact series Up to 1600A
EasyPact™ series 15A - 100A



Energy
measurement
and control
能量度及控制



Increased
energy
availability
能源可用度提升



Safety and
protection
安全及保護

Schneider
Electric™
施耐德電氣

Compact NSX/EasyPact™ CVS

MCCB 塑殼斷路器

General Characteristics 一般特性

	Compact NSX MCCB	EacyPact CVS MCCB
Compliance with Standards 符合的標準	<p>Circuit breakers and auxiliaries comply with the following international recommendations:</p> <ul style="list-style-type: none"> ■ IEC 60947-1: general rules ■ IEC 60947-2: circuit breakers ■ IEC 60947-3: switches, disconnectors, switch-disconnectors, etc ■ IEC 60947-4: contactors and motor starters ■ IEC 60947-5.1 and following: control circuit devices and switching elements; automatic control components <p>They also comply with the specifications of the marine classification companies.</p> <p>斷路器及輔件符合下列國際推薦標準:</p> <ul style="list-style-type: none"> ■ IEC 60947-1: 總則 ■ IEC 60947-2: 斷路器 ■ IEC 60947-3: 開關、隔離開關、負荷開關等 ■ IEC 60947-4: 接觸器和馬達起動器 ■ IEC 60947-5.1 及其餘部份: 控制設備和開關;自動控制元件產品還遵循航海設備標準。 	<p>Circuit breakers and auxiliaries comply with the following international recommendations:</p> <ul style="list-style-type: none"> ■ IEC 60947-1: general rules ■ IEC 60947-2: circuit breakers <p>斷路器及輔件符合下列國際推薦標準:</p> <ul style="list-style-type: none"> ■ IEC 60947-1: 總則 ■ IEC 60947-2: 斷路器
Pollution degree 污染等級	<p>Certified for operation in pollution-degree III environments as defined by IEC standard 60947-1 & 60664-1 (industrial environments).</p> <p>可於IEC標準60947-1及60664-1 (工業環境) 三級污染等級的環境中使用。</p>	<p>Certified for operation in pollution-degree III environments as defined by IEC standard 60947-1 & 60664-1 (industrial environments).</p> <p>可於IEC標準60947-1及60664-1 (工業環境) 三級污染等級的環境中使用。</p>
Tropicalisation 抗濕熱措施	<p>Circuit breakers have successfully passed the tests prescribed by the following standards for extreme atmospheric conditions:</p> <ul style="list-style-type: none"> ■ IEC 60068-2-1: dry cold (-55 °C) ■ IEC 60068-2-2: dry heat (+85 °C) ■ IEC 60068-2-30: damp heat (95% relative humidity at 55 °C) ■ IEC 60028-2-52: salt mist (severity level 2) <p>斷路器成功通過下列極端環境操作測試:</p> <ul style="list-style-type: none"> ■ IEC 60068-2-1: 乾凍 (-55 °C) ■ IEC 60068-2-2: 乾熱 (+85 °C) ■ IEC 60068-2-30: 濕熱 (55 °C時95%相對濕度) ■ IEC 60028-2-52: 鹽霧試驗 (嚴格級數二) 	<p>Circuit breakers have successfully passed the tests defined by the following standards for extreme atmospheric conditions:</p> <ul style="list-style-type: none"> ■ IEC 60068-2-1: dry cold (-55 °C) ■ IEC 60068-2-2: dry heat (+85 °C) ■ IEC 60068-2-30: damp heat (95% relative humidity at 55 °C) ■ IEC 60028-2-52 severity level 2: salt mist. <p>斷路器成功通過下列極端環境操作測試:</p> <ul style="list-style-type: none"> ■ IEC 60068-2-1: 乾凍 (-55 °C) ■ IEC 60068-2-2: 乾熱 (+85 °C) ■ IEC 60068-2-30: 濕熱 (55 °C時95%相對濕度) ■ IEC 60028-2-52: 鹽霧試驗 (嚴格級數二)
Environmental protection 環境保護	<p>Taking into account concerns for environmental protection, most components are recyclable and the parts are marked as specified in applicable standards.</p> <ul style="list-style-type: none"> ■ Respects the European environment directive EC/2002/95 concerning the restriction of hazardous substances (RoHS) ■ Setting up an environmental management system certified ISO 14001. <p>考慮了環境保護問題，大部分的零件可以循環再用，部件上註明了應用標準。</p> <ul style="list-style-type: none"> ■ 符合歐洲電子產品環保聲明EC/2002/95 (RoHS) ■ 所有Compact NSX生產工廠都符合ISO 14001標準。 	<p>Taking into account concerns for environmental protection, most components are recyclable and the parts are marked as specified in applicable standards.</p> <ul style="list-style-type: none"> ■ EasyPact CVS respects the European environment directive EC/2002/95 concerning the restriction of hazardous substances (RoHS). ■ All EasyPact CVS production sites have set up an ISO 14001 certified environmental management system. <p>考慮了環境保護問題，大部分的零件可以循環再用，部件上註明了應用標準。</p> <ul style="list-style-type: none"> ■ 符合歐洲電子產品環保聲明EC/2002/95 (RoHS) ■ 所有EasyPact CVS生產工廠都符合ISO 14001標準。

Compact NSX MCCB 塑殼斷路器

Micrologic Control Trip Units 脫扣器 Functions and Characteristics 功能及特性

Compact NSX 100 / 160 / 250

Thermal magnetic TM trip units 熱磁脫扣器

Thermal magnetic trip units 熱磁脫扣器		TM16D to 250D											TM16G to 63G					
Ratings 額定電流 (A)	In at 40 °C ⁽¹⁾	16	25	32	40	50	63	80	100	125	160	200	250	16	25	40	63	
Circuit breaker 斷路器	Compact NSX100	■	■	■	■	■	■	■	■	-	-	-	-	■	■	■	■	
	Compact NSX160	-	-	■	■	■	■	■	■	■	■	-	-	-	■	■	■	
	Compact NSX250	-	-	-	-	-	■	■	■	■	■	■	■	-	-	■	■	
Thermal protection 熱式保護																		
Pick-up 設定值 (A) tripping between 1.05 and 1.20 Ir 在 1.05 至 1.20 Ir 之間脫扣	Ir = In x...	adjustable in amps from 0.7 to 1 x In. 在 0.7 至 1 x In 範圍內可進行調節																
Magnetic protection 磁式保護																		
Pick-up 設定值 (A) accuracy 精確度 ±20%	Im	fixed 固定 190 300 400 500 500 500 640 800											adjustable 可調節		fixed 固定 63 80 80 125			
	Compact NSX100												5 to 10xIn		63 80 80 125			
	Compact NSX160/250	190 300 400 500 500 500 640 800 1250 1250													63 80 80 125			
Time delay 時間延遲	tm	fixed 固定																

Electronic trip units 電子脫扣器, Micrologic 2.2 (distribution purpose 配電系統專用)

Ratings 額定電流 (A)	In at 40 °C ⁽¹⁾	40	100	160	250
Circuit breaker 斷路器	Compact NSX100	■	■	-	-
	Compact NSX160	■	■	■	-
	Compact NSX250	■	■	■	■
Tripping thresholds 脫扣電流值 (A)	Long-time 長延時	Ir			
	Tripping time at 脫扣時間 1.5xIr(s)	Micrologic 2.2		Adjustable from 0.9 to 1 for each Io value 在 0.9 至 1 範圍內進行調節(每一個Io值)	
	Short-time 短延時	Isd		Adjustable from 1.5 to 10 在 1.5 至 10 範圍內進行調節	
		Micrologic 2.2			
		Micrologic 2.2			

Electronic Micrologic trip unit for motor protection 電子脫扣器 (馬達保護專用), Micrologic 2.2-M

Ratings 額定電流 (A)	In at 65 °C ⁽¹⁾	25	50	100	150	220
Circuit breaker 斷路器	Compact NSX100	■	■	■	-	-
	Compact NSX160	■	■	■	■	-
	Compact NSX250	■	■	■	■	■

L Overloads (or thermal protection): Long-time protection and trip class 過載保護(或熱保護) : 長延時保護及脫扣等級

Pick-up 設定值 (A) tripping between 1.05 and 1.20 Ir 在 1.05 至 1.20 Ir 之間脫扣	Ir	value depending on trip unit rating (In) and setting on dial 脫扣器額定電流 (In) 及旋鈕設定值									
	In = 25A	Ir =	12	14	16	18	20	22	23	24	25
	In = 50A	Ir =	25	30	32	36	40	42	45	47	50
	In = 100A	Ir =	50	60	70	75	80	85	90	95	100
	In = 150A	Ir =	70	80	90	100	110	120	130	140	150
	In = 220A	Ir =	100	120	140	155	170	185	200	210	220

Trip class as per IEC 60947-4-1
脫扣等級符合 IEC 60947-4-1

Time delay (s)	tr	1.5 x Ir	6 x Ir	7.2 x Ir	for warm motor 用於熱馬達	for cold motor 用於冷馬達
depending on selected trip class 時間延遲 (s) 根據所選脫扣等級		120	240	480	26	20
		6.5	13.5	26	for cold motor 用於冷馬達	for cold motor 用於冷馬達
		5	10	20		

Thermal memory 熱記憶

Cooling fan 冷卻風扇

S Short-circuits: Short-time protection with fixed time delay 短路 : 短延時保護 (固定時間延遲)

Pick-up 設定值 (A) accuracy 精確度 ±15%	Isd = Ir x...	5	6	7	8	9	10	11	12	13	
Time delay 時間延遲 (ms)	tsd	non-adjustable 不可調節									
	Non-tripping time 非脫扣時間	20									
	Maximum break time 最大分斷時間	60									

(1) Motor standards require operation at 65°C. Circuit-breaker ratings are derated to take this requirement into account.
標準馬達需於 65°C 運作，因此斷路器的額定電流進行了降容。

Compact NSX MCCB 塑殼斷路器

Micrologic Control Trip Units 脫扣器 Functions and Characteristics 功能及特性

Compact NSX 100 / 160 / 250

Electronic Micrologic trip unit for motor protection 電子脫扣器 (馬達保護專用), Micrologic 2.2-M

I Short-circuits: Non-adjustable instantaneous protection 短路：不可調節瞬時保護									
Pick-up 設定值 (A) accuracy 精確度 ±15%	li non-adjustable 不可調節	425	750	1500	2250	3300	4800	6500	
Time delay 時間延遲 (ms)	Non-tripping time 不脫扣時間 Maximum break time 最大分斷時間	0	30						
Phase unbalance or phase loss 相不平衡或缺相									
Pick-up 設定值 (A) accuracy 精確度 ±20%	lunbal = in% average current 平均電流 ⁽²⁾	>30%							
Time delay 時間延遲 (s)	non-adjustable 不可調節	0.7 s during starting 啟動期間 4 s during normal operation 正常運作期間							

(2) The unbalanced measurement takes into account the most unbalanced phase with respect to the average current.
相對平均電流，不平衡電流監測已考慮到最大不平衡相。

Advanced electronic trip unit for distribution measurements 先進電子脫扣器 (配電系統保護), Micrologic 5/6 A or E

Protection 保護		Micrologic 5/6 A or E trip units 脫扣器									
Ratings 額定電流 (A) In at 40 °C		40 ⁽¹⁾	100	160	250						
Circuit breaker 斷路器		Compact NSX100	■	■	-	-					
		Compact NSX160	■	■	■	-					
		Compact NSX250	■	■	■	■					
L Long-time protection 長延時保護		Fine adjustment in 1 A steps below maximum value set on dial 以旋鈕設定值為最大值，以 1 A 為步長微調									
Pick-up 設定值 (A) tripping between 1.05 and 1.20 Ir 在 1.05 至 1.20 Ir 之間脫扣	Ir = ... dial setting 旋鈕設定值 In = 40 A lo = in = 100 A lo = In = 160 A lo = In = 250 A lo =	value depending on trip unit rating (In) and setting on dial 脫扣器額定電流 (In) 及旋鈕設定值	18	18	20	23	25	28	32	36	40
	keypad setting 按鍵設置		40	45	50	55	63	70	80	90	100
			63	70	80	90	100	110	125	150	160
			100	110	125	140	160	175	200	225	250
Time delay 時間延遲 (s) accuracy 精確度 0 — -20%	tr = ... keypad setting 按鍵設置 1.5 x Ir 6 x Ir 7.2 x Ir		0.5	1	2	4	8	16			
			15	25	50	100	200	400			
			0.5	1	2	4	8	16			
			0.35	0.7	1.4	2.8	5.5	11			
Thermal memory 熱記憶		20 minutes before and after tripping 脫扣前後 20 分鐘									
S Short-time protection with adjustable time delay 短延時保護 (可調時間延遲)											
Pick-up 設定值 (A) accuracy 精確度 ±10%	Isd = Ir x ... dial setting 旋鈕設定值 for Micrologic 5 keypad setting 按鍵設置 for Micrologic 6	1.5	2	3	4	5	6	7	8	10	
		Fine adjustment in 0.5 x In steps using the keypad 通過按鍵以 0.5 x In 為步長進行微調									
		Adjustment in steps of 0.5 x In over the range 1.5 x In to: 以 0.5 x In 為步長調整，範圍由 1.5 x In 至： 15 x In (40 to 160 A), 12 x In (250 to 400 A) or 11 x In (630 A)									
Time delay 時間延遲 (s)	tsd = ... keypad setting I ² Off 按鍵設置 I ² On	0	0.1	0.2	0.3	0.4					
	Non-tripping time 非脫扣時間 (ms) Maximum break time 最大分斷時間 (ms)	20	80	140	230	350					
		80	140	200	320	500					
I Instantaneous protection 瞬時保護											
Pick-up 設定值 (A) accuracy 精確度 ±15%	li = Inx keypad setting 按鍵設置	Adjustment in steps of 0.5 x In over the range 1.5 x In to: 以 0.5 x In 為步長調整，範圍由 1.5 x In 至： 15 x In (40 to 160 A), 12 x In (250 to 400 A) or 11 x In (630 A)									
	Non-tripping time 非脫扣時間 (ms) Maximum break time 最大分斷時間 (ms)	10 ms									
		50 ms for I > li									
G Ground-fault protection 接地故障 - for Micrologic 6 A or E											
Pick-up 設定值 (A) accuracy 精確度 ±10%	Ig = Inx dial setting 旋鈕設定值 In = 40 A In > 40 A	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1	Off	
		0.2	0.3	0.4	0.5	0.6	0.7	0.8	1	Off	
		Fine adjustment in 0.05 A steps using the keypad 通過按鍵以 0.05A 為步長進行微調									
Time delay 時間延遲 (s)	tg = ... keypad setting I ² Off 按鍵設置 I ² On	0	0.1	0.2	0.3	0.4					
	Non-tripping time 非脫扣時間 (ms) Maximum break time 最大分斷時間 (ms)	20	80	140	230	350					
		80	140	200	320	500					
Test 測試	Ig function 功能	built-in 內置									

(1) For 40 A rating, the neutral N/2 adjustment is not possible. 於額定電流為 40A，中線 N/2 調節是不可能的。

Remark: For Micrologic 2.2-AB (protection of public distribution system), 2.2-G (for generator), 5.2 A-Z and 6 E-M, please consult Schneider Electric (HK) Ltd.
備註：有關 Micrologic 2.2-AB (公共配電系統保護), 2.2-G (發電機保護), 5.2 A-Z 及 6 E-M，歡迎向施耐德電氣(香港)有限公司查詢。

Compact NSX

MCCB 塑殼斷路器

Trip Units 脫扣器

Compact NSX 400 / 630

Electronic trip unit 電子脫扣器, Micrologic 2.3

Ratings 額定電流 (A) In at 40 °C	40	100	160	250	400	630				
Circuit breaker 斷路器 Compact NSX400	-	-	-	■	■	-				
Compact NSX630	-	-	-	■	■	■				
L Long-time protection 長延時保護										
Pick-up 設定值 (A) tripping between 1.05 and 1.20 Ir 在 1.05 至 1.20 Ir 之間脫扣	lo	value depending on trip unit rating (In) and setting on dial 脫扣器額定電流 (In) 及旋鈕設定值								
In = 250 A (NSX400)	lo =	70	100	125	140	160	175	200	225	250
In = 400 A	lo =	160	180	200	230	250	280	320	360	400
In = 630 A	lo =	250	280	320	350	400	450	500	570	630
Ir = lo x ...		9 fine adjustment settings from 0.9 to 1 (0.9 - 0.92 - 0.93 - 0.94 - 0.95 - 0.96 - 0.97 - 0.98 - 1) for each value of lo 每一個 lo 值可進行 9 個微調設定，由 0.9 至 1 (0.9 - 0.92 - 0.93 - 0.94 - 0.95 - 0.96 - 0.97 - 0.98 - 1)								
Time delay 時間延遲 (s) accuracy 精確度 0 — -20%	tr	non-adjustable 不可調節								
	1.5 x Ir	400								
	6 x Ir	16								
	7.2 x Ir	11								
Thermal memory 熱記憶		20 minutes before and after tripping 脫扣前後 20 分鐘								
S Short-circuits: Short-time protection with fixed time delay 短路：短延時保護 (固定時間延遲)										
Pick-up 設定值 (A) accuracy 精確度 ±10%	I _{sd} = Ir x ...	1.5	2	3	4	5	6	7	8	10
Time delay 時間延遲 (ms)	tsd	non-adjustable 不可調節								
	Non-tripping time 非脫扣時間 (ms)	20								
	Maximum break time 最大分斷時間 (ms)	80								
I Instantaneous protection 瞬時保護										
Pick-up 設定值 (A) accuracy 精確度 ±10%	I _i non-adjustable 不可調節	600	1500	2400	3000	4800	6900			
	Non-tripping time 非脫扣時間	10 ms								
	Maximum break time 最大分斷時間	50 ms for I > 15 I _i								

Advanced electronic trip unit for distribution measurements 先進電子脫扣器 (配電系統保護), Micrologic 5.3 A or E

Ratings 額定電流 (A) In at 40 °C	40 ⁽¹⁾	100	160	250	400	630				
Circuit breaker 斷路器 Compact NSX400	-	-	-	-	■	-				
Compact NSX630	-	-	-	-	■	■				
L Long-time protection 長延時保護										
Pick-up 設定值 (A) tripping between 1.05 and 1.20 Ir 在 1.05 至 1.20 Ir 之間脫扣	Ir = ...	dial setting 旋鈕設定值								
In = 400 A	lo =	160	180	200	230	250	280	320	360	400
In = 630 A	lo =	250	280	320	350	400	450	500	570	630
	keypad setting 按鍵設置	Fine adjustment in 1 A steps below maximum value set on dial 以旋鈕設定值為最大值，以 1 A 為步長微調								
Time delay 時間延遲 (s) accuracy 精確度 0 — -20%	tr = ...	keypad setting 按鍵設置								
	0.5	1	2	4	8	16				
	1.5 x Ir	15	25	50	100	200	400			
	6 x Ir	0.5	1	2	4	8	16			
	7.2 x Ir	0.35	0.7	1.4	2.8	5.5	11			
Thermal memory 熱記憶		20 minutes before and after tripping 脫扣前後 20 分鐘								
S Short-time protection with adjustable time delay 短延時保護 (可調時間延遲)										
Pick-up 設定值 (A) accuracy 精確度 ±10%	I _{sd} = Ir x ...	1.5	2	3	4	5	6	7	8	10
	dial setting 旋鈕設定值 for Micrologic 5	Fine adjustment in 0.5 x In steps using the keypad 通過按鍵以 0.5 x In 為步長進行微調								
	keypad setting 按鍵設置 for Micrologic 6	Adjustment in steps of 0.5 x In over the range 1.5 x In to: 以 0.5 x In 為步長調整，範圍由 1.5 x In 至: 15 x In (40 to 160 A), 12 x In (250 to 400 A) or 11 x In (630 A)								
Time delay 時間延遲 (s)	tsd = ...	keypad setting 按鍵設置								
	I ² Off	0	0.1	0.2	0.3	0.4				
	I ² On	-	0.1	0.2	0.3	0.4				
	Non-tripping time 非脫扣時間 (ms)	20	80	140	230	350				
	Maximum break time 最大分斷時間 (ms)	80	140	200	320	500				
I Instantaneous protection 瞬時保護										
Pick-up 設定值 (A) accuracy 精確度 ±15%	I _i = In x	keypad setting 按鍵設置								
		Adjustment in steps of 0.5 x In over the range 1.5 x In to: 以 0.5 x In 為步長調整，範圍由 1.5 x In 至: 15 x In (40 to 160 A), 12 x In (250 to 400 A) or 11 x In (630 A)								
	Non-tripping time 非脫扣時間 (ms)	10 ms								
	Maximum break time 最大分斷時間 (ms)	50 ms for I > 15 I _i								

(1) For 40 A rating, the neutral N/2 adjustment is not possible. 於額定電流為 40A，中線 N/2 調整是不可能的。

Compact NSX

MCCB 塑殼斷路器

Trip Units 脫扣器

Compact NSX 400 / 630

Advanced electronic trip unit for distribution measurements and ground fault protection(G) 先進電子脫扣器 (配電系統保護及接地故障保護(G)), Micologic 6.3 A or E

Same feature for Micrologic 5.3 A or E 與Micrologic 5.3 A或E特性相同

Additional feature 附加特性:

G Ground-fault protection 接地故障 - for Micrologic 6 A or E											
Pick-up 設定值 (A) accuracy 精確度 ±10%	Ig = In x dial setting 旋鈕設定值	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1	Off	
	In = 40 A	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1	Off	
	In > 40 A	Fine adjustment in 0.05 A steps using the keypad 通過按鍵以0.05 A為步長進行微調									
Time delay 時間延遲 (s)	tg = ... keypad setting I ² Off 按鍵設置 I ² On	0	0.1	0.2	0.3	0.4					
		-	0.1	0.2	0.3	0.4					
	Non-tripping time 非脫扣時間 (ms)	20	80	140	230	350					
	Maximum break time 最大分斷時間 (ms)	80	140	200	320	500					
Test 測試	Ig function 功能	built-in 內置									

Remark:

For Micrologic 2.3-AB (protection of public distribution system), 2.3-G (for generator), 2.3M (for motor protection) and 5.3 A-Z, 6.3 E-M, please consult Schneider Electric (HK) Ltd.

備註:

有關 Micrologic 2.3-AB (公共配電系統保護), 2.3-G (發電機保護), 2.3M (馬達保護) and 5.3 A-Z, 6.3 E-M, 歡迎向施耐德電氣(香港)有限公司查詢。

Compact NSX/NS/EasyPact™ CVS

MCCB 塑殼斷路器

Functions and Characteristics 功能及特性

Electrical characteristics as per IEC 60947-2 and EN 60947-2 電氣特性符合 IEC 60947-2及EN 60947-2標準

				NSX100	
Number of poles 極數				2*, 3, 4	
Rated current 額定電流 (A)	In	40 °C		100	100
Rated insulation voltage 額定絕緣電壓 (V)	Ui			800	800
Rated impulse withstand voltage 額定衝擊耐壓 (kV)	Uimp			8	8
Rated operational voltage 額定工作電壓 (V)	Ue			690	690
Breaking capacity 分斷能力 (kA rms)				F	N
	Icu	AC 50/60Hz	220/240V	85	90
			380/415V	36	50
			440V	35	50
			500V	25	36
			525V	22	35
			660/690V	8	10
	Ics (% Icu)			100%	100%
Utilisation category 使用類別				A	
Dimensions 尺寸 (mm) L x H x D					
2/3-Pole 極				105 x 161 x 86	
4-Pole 極				140 x 161 x 86	

* 2P circuit breaker in 3P case for F type, only with thermal-magnetic trip unit.

* F型號兩極斷路器安裝於三極殼架內，連熱磁脫扣器。

Electrical characteristics as per IEC 60947-2 and EN 60947-2 電氣特性符合 IEC 60947-2及EN 60947-2標準

				NS800	
Number of poles 極數				3, 4	
Rated current 額定電流 (A)	In	50 °C		800	
Rated insulation voltage 額定絕緣電壓 (V)	Ui			750	
Rated impulse withstand voltage 額定衝擊耐壓 (kV)	Uimp			8	
Rated operational voltage 額定工作電壓 (V)	Ue	AC 50/60Hz		690	
Breaking capacity 分斷能力 (kA rms)				N	H
	Icu	AC 50/60Hz	220/240V	50	70
			380/415V	50	70
			440V	50	65
			500V/525V	40	50
			660/690V	30	42
	Ics (% Icu)		(Manual operation)	100%	75%
Utilisation category 使用類別				B	
Dimensions 尺寸 (mm) L x H x D					
3-pole 極				327 x 210 x 147	
4-pole 極				327 x 280 x 147	

Electrical characteristics as per IEC 60947-2 and EN 60947-2 電氣特性符合 IEC 60947-2及EN 60947-2標準

				CVS100	
Number of poles 極數				3	
Rated current 額定電流 (A)	In	40 °C		16 - 100	
Rated insulation voltage 額定絕緣電壓 (V)	Ui			690	
Rated impulse withstand voltage 額定衝擊耐壓 (kV)	Uimp			8	
Rated operational voltage 額定工作電壓 (V)	Ue	AC 50/60Hz		440	
Breaking capacity 分斷能力 (kA rms)					
	Icu	AC 50Hz	220/230V	70	
			380/400V	36	
	Ics (% Icu)			100%	
Utilisation category 使用類別				A	
Protection against overcurrents 過流保護					
	I _r	overload protection 過載保護 (A)		11.2 - 100 ⁽¹⁾	
	I _m	short circuit protection 短路保護 (A)		190 - 800	
Dimensions 尺寸 (mm) L x H x D					

(1) Adjustable overload protection tripping current 可調過載保護電流 (0.7 / 0.8 / 0.9 / 1.0 x I_n)

Common characteristics 特性

Control 控制

Manual 手動	w/toggle 撥動手柄
Electrical 電動	w/direct or extended rotary handle 帶直接或延伸旋轉手柄
	w/remote control 帶遙距控制

Versions 模式

Fixed 固定	
Withdrawable 可抽取	Plug-in base 插入式 Chassis 抽出式

Compact NSX ≤ 630A

NSX160		NSX250		NSX400		NSX630	
2*, 3,4		2*, 3,4		3,4		3,4	
160	160	250	250	400	400	630	630
800	800	800	800	800	800	800	800
8	8	8	8	8	8	8	8
690	690	690	690	690	690	690	690
F	N	F	N	F	N	F	N
85	90	85	90	40	85	40	85
36	50	36	50	36	50	36	50
35	50	35	50	30	42	30	42
30	36	30	36	25	30	25	30
22	35	22	35	20	22	20	22
8	10	8	10	10	10	10	10
100%	100%	100%	100%	100%	100%	100%	100%
A		A		A		A	
105 x 161 x 86 140 x 161 x 86		105 x 161 x 86 140 x 161 x 86		140 x 225 x 110 185 x 225 x 110		140 x 225 x 110 185 x 225 x 110	

Compact NS > 630A

NS1000		NS1250		NS1600	
3, 4		3, 4		3, 4	
1000		1250		1600	
750		750		750	
8		8		8	
690		690		690	
N	H	N	H	N	H
50	70	50	70	50	70
50	70	50	70	50	70
50	65	50	65	50	65
40	50	40	50	40	50
30	42	30	42	30	42
100%	75%	100%	75%	75%	50%
B	B	B	B	B	B
327 x 210 x 147 327 x 280 x 147		327 x 210 x 147 327 x 280 x 147		327 x 210 x 147 327 x 280 x 147	

EasyPact CVS

CVS160		CVS250		CVS400		CVS630	
3		3		3		3	
125 - 160		200 - 250		320 - 400		500 - 600	
690		690		690		690	
8		8		8		8	
440		440		440		440	
70		70		40		40	
36		36		36		36	
100%		100%		100%		100 %	
A		A		A		A	
87.5 - 160 ⁽¹⁾		140 - 250 ⁽¹⁾		280 - 400 ⁽¹⁾		420 - 600 ⁽¹⁾	
1250		2000 - 2500		1600 - 3200 (320A) 2000 - 4000 (400A)		2500 - 5000	
105 x 161 x 86				140 x 255 x 110			

Compact NSX

MCCB 塑殼斷路器

Catalogue Number 產品編號

1 & 2-pole 一極、兩極

Type 種類	Rating 額定電流 (A)	Breaking Capacity 分斷能力 (kA)	Cat. number 產品編號
NSX100N 1-pole 極	16	25	LV438572
	25	25	LV438574
	30	25	LV438575
	40	25	LV438576
	63	25	LV438578
	80	25	LV438579
	100	25	LV438580
NSX100M 1-pole 極	16	40	LV438582
	25	40	LV438584
	30	40	LV438585
	40	40	LV438586
	63	40	LV438588
	80	40	LV438589
	100	40	LV438590
NSX100M 2-pole 極	16	85	LV438602
	25	85	LV438604
	30	85	LV438605
	40	85	LV438606
	63	85	LV438608
	80	85	LV438609
	100	85	LV438610

* For 1 and 2-pole MCCB > 100A, please consult Schneider Electric (HK) Ltd.

* 有關大過100A的一極及兩極塑殼斷路器，歡迎 施耐德電氣(香港)有限公司查詢。

Compact NSX

MCCB 塑殼斷路器

Catalogue Number 產品編號



NSX100 - NSX250



NSX400 - NSX630



NS800 - NS1600

3 & 4-pole 三極、四極 with thermal-magnetic trip unit 帶熱磁脫扣器 TM-D

Type 種類	Rating 額定電流 (A)	Breaking Capacity 分斷能力 (kA)	Cat. number 產品編號	
			3-pole 極	4-pole 極
NSX100F	16	36	LV429637	LV429647
	25	36	LV429636	LV429646
	32	36	LV429635	LV429645
	50	36	LV429634	LV429643
	63	36	LV429632	LV429642
	80	36	LV429631	LV429641
	100	36	LV429630	LV429640
NSX100N	16	50	LV429847	LV429857
	25	50	LV429846	LV429856
	32	50	LV429845	LV429855
	50	50	LV429844	LV429854
	63	50	LV429842	LV429852
	80	50	LV429841	LV429851
	100	50	LV429840	LV429850
NSX160F	100	36	LV430632	LV430642
	125	36	LV430631	LV430641
	160	36	LV430630	LV430640
NSX160N	100	50	LV430842	LV430852
	125	50	LV430841	LV430851
	160	50	LV430840	LV430850
NSX250F	160	36	LV431630	LV431640
	200	36	LV431631	LV431641
	250	36	LV431632	LV431642
NSX250N	160	50	LV431832	LV431842
	200	50	LV431831	LV431841
	250	50	LV431830	LV431840

			Front 前連接	Rear 後連接	Front 前連接	Rear 後連接
NS800N*	800	50	NS08N3FA	NS08N3FC	NS08N4FA	NS08N4FC
NS800H*		70	NS08H3FA	NS08H3FC	NS08H4FA	NS08H4FC
NS1000N*	1000	50	NS10N3FA	NS10N3FC	NS10N4FA	NS10N4FC
NS1000H*		70	NS10H3FA	NS10H3FC	NS10H4FA	NS10H4FC
NS1250N*	1250	50	NS12N3FA	NS12N3FC	NS12N4FA	NS12N4FC
NS1250H*		70	NS12H3FA	NS12H3FC	NS12H4FA	NS12H4FC
NS1600N*	1600	50	NS16N3FA	NS16N3FC	NS16N4FA	NS16N4FC
NS1600H*		70	NS16H3FA	NS16H3FC	NS16H4FA	NS16H4FC

*With Micrologic 2.0 control unit (without ammeter), manual operation, fixed version

*帶Micrologic 2.0控制單元(不帶電流表), 人手操作, 固定型

Remark:

For withdrawable, electrically operated circuit breaker and other accessories, please consult Schneider Electric (HK) Ltd.

備註:

有關抽屜式、電動控制之斷路器及其他配件, 歡迎向施耐德電氣(香港)有限公司查詢。

Compact NSX

MCCB 塑殼斷路器

Catalogue Number 產品編號

3 & 4-pole with electronic trip unit 三極、四極連電子脫扣器

For Distribution Protection with electronic trip unit for LSoI protection
配電系統保護帶電子脫扣器，LSOI保護 (Micrologic 2.2 & 2.3)

Type 種類	Rating 額定電流 (A)	Breaking Capacity 分斷能力 (kA)	Cat. number 產品編號	
			3-pole 極	4-pole 極
NSX100F	40	36	LV429772	LV429782
	100	36	LV429770	LV429780
NSX100N	40	50	LV429797	LV429807
	100	50	LV429795	LV429805
NSX160F	160	36	LV430770	LV430780
NSX160N	160	50	LV430775	LV430785
NSX250F	250	36	LV431770	LV431780
NSX250N	250	50	LV431870	LV431875
NSX400F	400	36	LV432676	LV432677
NSX400N	400	50	LV432693	LV432694
NSX630F	630	36	LV432876	LV432877
NSX630N	630	50	LV432893	LV432894

Advanced built-in power meter series

With electronic trip unit with built-in ammeter

先進內置電能管理系列帶電子脫扣器及內置電流表 (Micrologic 5.2 & 5.3A)

Type 種類	Rating 額定電流 (A)	Breaking Capacity 分斷能力 (kA)	Cat. number 產品編號	
			3-pole 極	4-pole 極
NSX100F	40	36	LV429882	LV429887
	100	36	LV429880	LV429885
NSX100N	40	50	LV429892	LV429897
	100	50	LV429890	LV429895
NSX160F	160	36	LV430880	LV430885
NSX160N	160	50	LV430890	LV430895
NSX250F	250	36	LV431770	LV431780
NSX250N	250	50	LV431870	LV431875
NSX400F	400	36	LV432678	LV432679
NSX400N	400	50	LV432699	LV432700
NSX630F	630	36	LV432878	LV432879
NSX630N	630	50	LV432899	LV432900

Advanced electronic trip unit with built-in energy meter and LSI protection (Micrologic 5.2 E & 5.3E)
for NSX100 - 630 series

先進電子脫扣器連內置電能管理及LSI保護 (Micrologic 5.2 E & 5.3E)

NSX100 - 630 系列專用

To be ordered with 2 catalogue numbers: 1 basic frame + 1 trip unit
訂購時需連同兩個產品編號：一個本體 + 一個脫扣器

Advanced electronic trip unit with built-in ammeter meter and LSIG protection (Micrologic 6.2 A & 6.3A)
for NSX100 - 630 series

先進電子脫扣器連內置電流表及LSIG保護 (Micrologic 6.2 A & 6.3A)

NSX100 - 630 系列專用

To be ordered with 2 catalogue numbers: 1 basic frame + 1 trip unit
訂購時需連同兩個產品編號：一個本體 + 一個脫扣器

Advanced electronic trip unit with built-in energy meter and LSIG protection (Micrologic 6.2 E & 6.3E)
for NSX100 - 630 series

先進電子脫扣器連內置電能管理及LSIG保護 (Micrologic 6.2 E & 6.3E)

NSX100 - 630 系列專用

To be ordered with 2 catalogue numbers: 1 basic frame + 1 trip unit
訂購時需連同兩個產品編號：一個本體 + 一個脫扣器

Compact NSX

MCCB 塑殼斷路器

Accessories 配件

Shunt release 分勵線圈 (MX)

	220V AC	380V AC	24V DC	30V DC	110V DC
	Cat. number 產品編號				
NSX100 - NSX630	LV429387	LV429388	LV429390	LV429391	LV429393
NS800 - NS1600	33662	33664	33659	33659	33661

Undervoltage release 失壓線圈 (MN)

	220V AC	380V AC	24V DC	30V DC	110V DC
	Cat. number 產品編號				
NSX100 - NSX630	LV429407	LV429408	LV429410	LV429411	LV429413
NS800 - NS1600	33671	33673	33668	33668	33670

Connection 連接

Location 位置	Location 位置	Quantity 數量	Cat. number 產品編號	
Kit 3P, for NSX100 - NSX250	Rear 後	2	LV432475	
	Rear 後	1	LV432476	
Kit 3P, for NSX400 - NSX630	Rear 後	2	LV429235	
	Rear 後	1	LV429236	
NS800 - NS1000	Front 前	Top 頂	3-pole 極	4-pole 極
		Bottom 底	33598	33608
NS1250	Front 前	Top 頂	33599	33609
		Bottom 底	33600	33610
NS1600	Front 前	Top 頂	33601	33611
		Bottom 底	33602	33612
NS800 - NS1600	Rear vertical 後垂直	Top 頂	33603	33613
		Bottom 底	33604	33614
NS800 - NS1600	Rear horizontal 後水平	Top 頂	33605	33615
		Bottom 底	33606	33616
			33607	33617

Extended rotary handle 延伸旋轉手柄

	Cat. number 產品編號
NSX100 - NSX250	LV429338
NSX400 - NSX630	LV432598
NS800 - NS1600	black 黑色
	red/yellow front 紅/黃色面
	33878
	33879

Auxiliary contact 輔點接點

	Cat. number 產品編號
OF, SD, SDE (NSX100 - NSX630)	29450
SDE adapter, mandatory for trip unit TM, MA or Micrologic 2 (NSX100 - NSX250)	LV429451
NS800 - NS1600 (For drawout devices 適合於抽屜式)	SDE
	SD
	OF
	33799
	33800
	33801

Motor mechanism 電動機構

	220V AC	380V AC	24V DC	110V DC
	Cat. number 產品編號			
NSX100 - NSX160	LV429434	LV429435	LV429436	LV429438
NSX250	LV431541	LV431542	LV431543	LV431545
NSX400 - NSX630	LV432641	LV432642	LV432643	LV432645

Vigi block MH/ME/MB 漏電保護模塊

	3-pole 極	4-pole 極
	Cat. number 產品編號	
NSX100 - NSX160	LV429210	LV429211
NSX250	LV431535	LV431536
NSX400 - NSX630	LV432455	LV432456

Compact NSX

MCCB 塑殼斷路器

Accessories 配件

Monitoring and control (remote operation) 監視和控制 (遙距操作)

		Cat. number 產品編號
Breaker and Status Communication Module 斷路器及顯示測量數值模塊	BSCM	LV434205
NSX cord 接線	Wire length 線長 L = 0.35m	LV434200
	Wire length 線長 L = 1.3m	LV434201
	Wire length 線長 L = 3m	LV434202
	U > 480 V AC wire length 線長 L = 0.35m	LV434204
ULP Display Module 顯示模塊 For measurement display with Micrologic A or E; for status display with BSCM 與 Micrologic A 或 E 配合，顯示測量數值； 與 BSCM 配合，顯示開關狀態	Switchboard front display module 櫃門顯示單元 FDM121	TRV00121
	FDM mounting accessory (diameter 22mm) 安裝附件 (直徑 22mm)	TRV00128

Plug-in base (fixed/FC device + plug-in kit) 插入式座 (固定/FC裝置 + 插入工具)

	3-pole 極	4-pole 極
	Cat. number 產品編號	
Compact Kit 工具	LV429289	LV429290
Vigicomact Kit 工具	LV429291	LV429292

Withdrawable chassis (with plug-in base) 抽屜式底板 (帶插入式座)

	3-pole 極	4-pole 極
	Cat. number 產品編號	
Horizontal橫 / Vertical直		
NSX100 - NSX250	29299	29300
NSX400 - NSX630	32542	32543

Remark:

For withdrawable, electrically operated circuit breaker, circuit breaker over or equal to 800A and other accessories, please consult Schneider Electric (HK) Ltd.

備註:

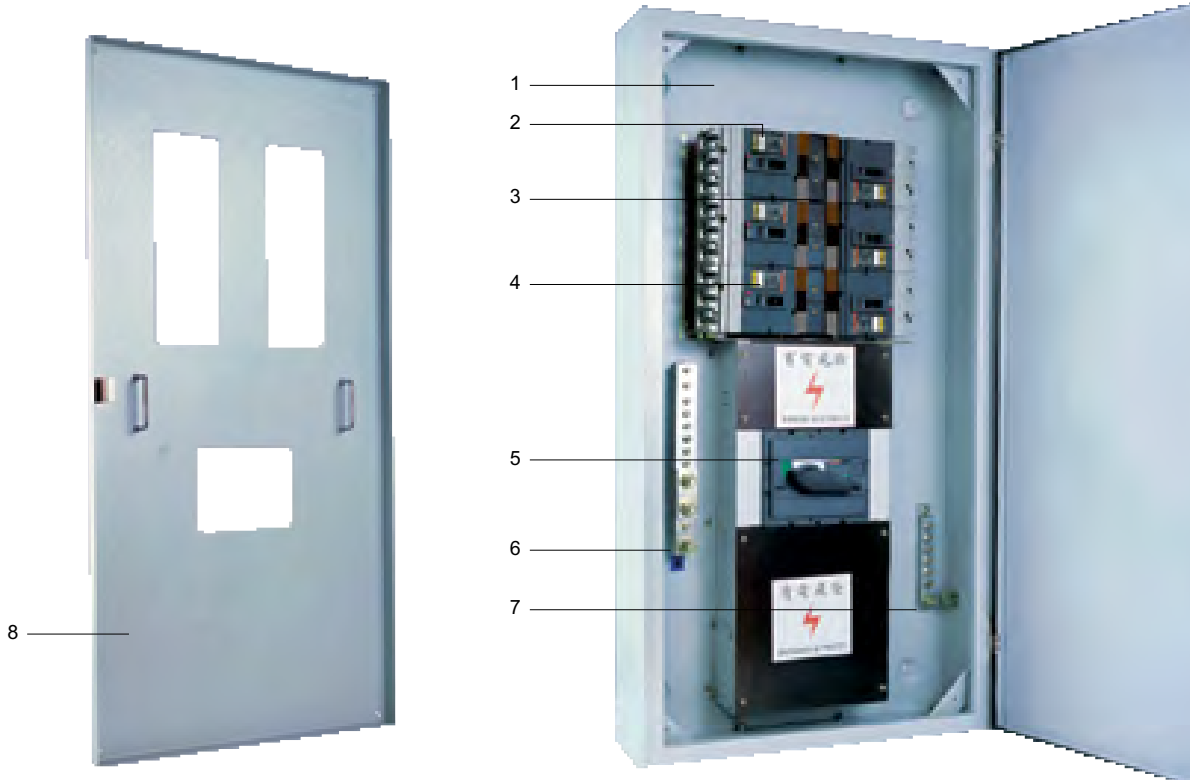
有關抽屜式、電動控制之斷路器、大過或等於800A之斷路器及其他配件，歡迎向施耐德電氣(香港)有限公司查詢。

Compact NSX/NS/NSD MCCB Board 配電箱

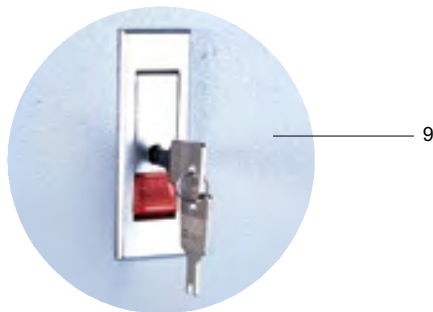
Technical Specification 技術參數

- Degree of protection: IP42
- Complies with IEC 60439-1 and BS EN 60439-1
- Constructed from rigid folded 1.5mm sheet steel
- Busbar rating 250A, 400A and 630A
- Detachable top and bottom gland plates
- Paint finish: light grey epoxy powder painted
- Tinned busbar
- Can be installed with Compact NS / NSD type switch disconnecter upon request

- 保護等級: IP42
- 符合 IEC 60439-1 及 BS EN 60439-1 標準
- 由 1.5mm 的鋼板嚴密摺疊而成
- 母線容量為 250A、400A 及 630A
- 可分拆的上下壓蓋板
- 表面塗上淺灰色環氧樹脂
- 鍍錫母線
- 可按要求裝入 Compact NS 或 NSD 開關掣



B31606



- | | |
|---|-------------------------|
| 1. Surface mounting enclosure
掛牆式箱體 | 6. Neutral link
中線端子 |
| 2. Pan assembly
配件底板 | 7. Earth link
地線端子 |
| 3. Terminal shield & way label
絕緣隔板及相位標貼 | 8. Inner cover
內門 |
| 4. MCCB unit
塑殼斷路器 | 9. Key lock
門鎖 |
| 5. INS type switch disconnecter
INS型開關掣 | |

Cabling Specification

- Neutral incoming terminal connection: use rigid or flexible cables up to
 - 120mm² for 250A TPN boards
 - 240mm² for 400A TPN boards
 - 400mm² for 630A TPN boards
- Earth link incoming connection: use rigid or flexible cables up to 70mm²
- Neutral and earth link outgoing connections: use rigid or flexible cables up to 16mm²

接線規格

- 中線來線: 可接的軟線或硬線
 - 250A 三相配電箱接 120mm² 或以下
 - 400A 三相配電箱接 240mm² 或以下
 - 630A 三相配電箱接 400mm² 或以下
- 地線來線: 可接 70mm² 或以下的軟線或硬線
- 中線和地線出線: 可接 16mm² 或以下的軟線或硬線

Compact NSX/NS/NSD

MCCB Board 配電箱

Catalogue Number 產品編號



B30206

TPN MCCB board w/o main switch space 三相塑殼斷路器配電箱不帶總掣位

Cat. number 產品編號	Main Bar Rating(A) 主電巴容量(A)	No. of Way 相位數目	Dimensions (mm) 尺寸		
			H	W	D
B30202	250	2	530	600	200
B30204	250	4	635	600	200
B30206	250	6	740	600	200
B30208	250	8	845	600	200
B30210	250	10	950	600	200
B30212	250	12	1055	600	200
B30214	250	14	1160	600	200
B30216	250	16	1265	600	200
B30402	400	2	630	600	200
B30404	400	4	735	600	200
B30406	400	6	840	600	200
B30408	400	8	945	600	200
B30410	400	10	1050	600	200
B30412	400	12	1155	600	200
B30414	400	14	1260	600	200
B30416	400	16	1365	600	200
B30602	630	2	680	600	200
B30604	630	4	785	600	200
B30606	630	6	890	600	200
B30608	630	8	995	600	200
B30610	630	10	1100	600	200
B30612	630	12	1205	600	200
B30614	630	14	1310	600	200
B30616	630	16	1415	600	200



B31406

TPN MCCB board c/w main switch space 三相塑殼斷路器配電箱帶總掣位

Cat. number 產品編號	Main Bar Rating(A) 主電巴容量(A)	No. of Way 相位數目	Dimensions (mm) 尺寸		
			H	W	D
B31202	250	2	680	600	200
B31204	250	4	785	600	200
B31206	250	6	890	600	200
B31208	250	8	995	600	200
B31210	250	10	1100	600	200
B31212	250	12	1205	600	200
B31214	250	14	1310	600	200
B31216	250	16	1415	600	200
B31402	400	2	870	600	200
B31404	400	4	975	600	200
B31406	400	6	1080	600	200
B31408	400	8	1185	600	200
B31410	400	10	1290	600	200
B31412	400	12	1395	600	200
B31414	400	14	1500	600	200
B31416	400	16	1605	600	200

Remarks:

The above MCCB boards are based on the rating of outgoing Compact MCCB ≤250A only.
All main switches adopt INS type load break switch.

備註:

以上塑殼斷路器配電箱均只適合≤250A的Compact塑殼斷路作為分掣。
所有總掣位採用INS型之負荷開關。

Compact NSX/NS/NSD

MCCB Board 配電箱

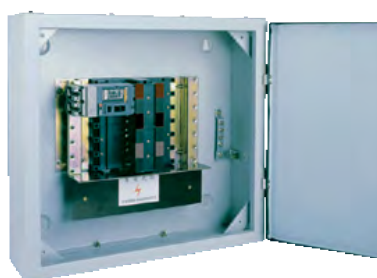
Catalogue Number 產品編號



B32100

TPN MCCB board c/w main switch space 三相塑殼斷路器配電箱帶總掣位

Cat. number 產品編號	Main Bar Rating(A) 主電巴容量(A)	No. of Way 相位數目	Dimensions (mm) 尺寸		
			H	W	D
B31602	630	2	920	600	200
B31604	630	4	1025	600	200
B31606	630	6	1130	600	200
B31608	630	8	1235	600	200
B31610	630	10	1340	600	200
B31612	630	12	1445	600	200
B31614	630	14	1550	600	200
B31616	630	16	1655	600	200



B32226

1 Way MCCB board 單相位塑殼斷路器配電箱

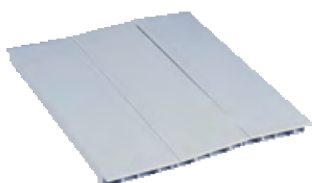
Cat. number 產品編號	Description 種類	Dimensions (mm) 尺寸		
		H	W	D
B32109	for NSD100	382	188	95
B32100	for NSD100 - NSD160	350	200	90
B32250	for NSD250	400	200	90
B32400	for NSD400 - NSD630	700	350	150
B32100X	for NSX100 - NSX160	350	200	90
B32250X	for NSX250	400	200	90
B32400X	for NSX400 - NSX630	700	350	150



B33434

TPN MCCB board w/o main switch space, Special for power utility company 三相塑殼斷路器配電箱不帶總掣位，適用於供電機構

Cat. number 產品編號	No. of way 相位數目	Dimensions (mm) 尺寸		
		H	W	D
B33226	6 x 2P	635	600	200
B33228	8 x 2P	705	600	200
B33434	4 x 3P + N	805	600	200
B33436	6 x 3P + N	945	600	200
B33438	8 x 3P + N	1085	600	200



B39001

Accessories 配件

Cat. number 產品編號	Description 種類
B39001	Blanking Plate for 相間隔板適用於 MCCB ≤ 250A
B39002	Blanking Plate for 相間隔板適用於 MCCB > 250A & ≤ 630A