

FORMULA

Price list



	FORMULA 125A						FORMULA 125A					FORMULA 250A				FORMULA 400A		FORMULA 630A	
Electrical Characteristics	A1C	A1N	A1N	A1A	A1B	A1C	A1N	A2N	A2B	A2C	A2N	A3N	A3S	A3N	A3S				
No. of Pole [No.]	1	1	2	3	3	3	3	2	3	3	3	3	3	3	3				
Breaking capacity, Icu																			
(AC) 50-60Hz 240V [kA]	18	25	50	10	25	30	100	50	25	50	85	85	100	85	100				
(AC) 50-60Hz 380V [kA]	2.5	5	36 ⁽¹⁾	10	18	25	36 ⁽²⁾	36	18	25	36	36	50	36	50				
(AC) 50-60Hz 415V [kA]	2.5	5	36 ⁽¹⁾	10	18	25	36 ⁽²⁾	36	18	25	36	36	50	36	50				
(DC) 125V-1 poles in series, Thermomagnetic Release [kA]	5	10																	
(DC) 250V-2 poles in series, Thermomagnetic Release [kA]			10	5	5	10	10	10	18	25	36	36	50	36	50				
Breaking capacity, Ics																			
(AC) 50-60Hz 240V [kA]	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%				
(AC) 50-60Hz 380V [kA]	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%				
Rated service voltage, Ue (AC) [Vac]	415	415	550	550	550	550	550	550	550	550	550	550	550	550	550				
Rated service voltage, Ue (DC) [Vdc]	125	125	250	250	250	250	250	250	250	250	250	250	250	250	250				
Overcurrent release/relays																			
Thermomagnetic: TMF (ปรับตั้งกระแสไม่ได้)	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
Electronic: ELT Fixed LI (ปรับตั้งกระแสไม่ได้)																			
Basic dimension (W x D x H) [mm.]	25.4x60x130		50.8x60x130			76.2x60x130			105x60x150				139.5x103.5x205		139.5x103.5x205				
ราคาต่อหน่วย = บาท (3 poles fixed version)																			
Thermomagnetic																			
	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF				
15A	3,020		4,120	4,570	4,600	4,650		5,500											
16A	3,020		4,120	4,570	4,600	4,650		5,500											
20A, 25A, 30A, 40A, 50A, 60A, 70A, 80A, 90A, 100A	3,020	3,570	4,120	4,570	4,600	4,650	5,500												
125A	3,780	4,470	5,150	5,720	5,750	5,810	6,870	6,800	7,250	7,580	9,060								
160A								7,200	7,680	8,020	9,600								
175A, 200A, 225A, 250A								8,000	8,530	8,910	10,700								
320A												23,400	25,700						
400A												23,400	25,700						
500A														24,900	27,900				
Electronic Release																			
630A															Electronic ELT Fixed LI				
															39,300	43,200			
ราคาอุปกรณ์เสริม = บาท (Assessories)																			
Duty releases 220V 50Hz																			
Shunt opening releases			3,230	3,230	3,230	3,230	3,230	3,230	3,230	3,230	3,230	5,310	5,310	5,310	5,310				
Undervoltage releases			4,840	4,840	4,840	4,840	4,840	4,840	4,840	4,840	4,840	5,310	5,310	5,310	5,310				
Electronic Time Delay																			
Electrical signalling																			
Auxiliary contacts																			
1 Change over + 1 trip single			2,430	2,430	2,430	2,430	2,430		2,430	2,430	2,430	3,990	3,990	3,990	3,990				
2 Change over + 1 trip single				3,160	3,160	3,160	3,160		3,160	3,160	3,160								
3 Change over + 1 trip single												5,310	5,310	5,310	5,310				
Motor operator 220V 50Hz.																			
Operating mechanism and lock																			
Rotary handle (Direct)				2,620	2,620	2,620	2,620		2,620	2,620	2,620	4,580	4,580	4,580	4,580				
Rotary handle (Door mounted)				4,000	4,000	4,000	4,000		4,000	4,000	4,000	6,710	6,710	6,710	6,710				
Key lock on Rotary handle				1,330	1,330	1,330	1,330		1,330	1,330	1,330	1,770	1,770	1,770	1,770				
Operating security																			
Removable PLL	830	830	830	830	830	830	830	830	830	830	830								
Pad lock (A1&A2), Front Flange Level (A3&T5-T6)				1,240	1,240	1,240	1,240		1,240	1,240	1,240	4,130	4,130	4,130	4,130				

หมายเหตุ: ราคารุ่น 4 Poles สามารถสอบถามรายละเอียดได้ที่ตัวแทนจำหน่าย

⁽¹⁾ A1N 2 Poles

In =15A, Icu =30kA

⁽²⁾ A1N 3 and 4 Poles

In =15A, Icu =30kA

In =16A, Icu =30kA

FORMULA Link-power distribution

Price list



FORMULA Link

Electrical Characteristics	FORMULA 125A								FORMULA 250A				FORMULA 400A		Tmax 400A.		Tmax 800A.					
	No. of Pole	A1C	A1N	A1N	A1A	A1B	A1C	A1N	A2N	A2B	A2C	A2N	A3N	A3S	T5N	T5H	T6N	T6S	T6H			
Breaking capacity, Icu	[No.]	1	1	2	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3			
(AC) 50-60Hz 240V	[kA]	18	25	50	10	25	30	100	50	25	50	85	85	100	70	100	70	85	100			
(AC) 50-60Hz 380V	[kA]	2.5	5	36 ⁽¹⁾	10	18	25	36 ⁽²⁾	36	18	25	36	36	50	36	70	36	50	70			
(AC) 50-60Hz 415V	[kA]	2.5	5	36 ⁽¹⁾	10	18	25	36 ⁽²⁾	36	18	25	36	36	50	36	70	36	50	70			
(DC) 125V-1 poles in series, เฉพาะรุ่น Thermomagnetic Release	[kA]	5	10		5	5	10	10	10	18	25	36	36	50	-	-	-	-	-			
(DC) 250V-2 poles in series, เฉพาะรุ่น Thermomagnetic Release	[kA]			10	5	5	10	10	10	18	25	36	36	50	-	-	-	-	-			
Breaking capacity, Ics	[kA]	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	100%	50%	100%	100%	100%			
(AC) 50-60Hz 240V	[kA]	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	100%	50%	100%	100%	100%			
(AC) 50-60Hz 380V	[kA]	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	100%	50%	100%	100%	100%			
Rated service voltage, U _e	[Vac]	415	415	550	550	550	550	550	550	550	550	550	550	550	690	690	690	690	690			
Rated service voltage, U _e	[Vdc]	125	125	250	250	250	250	250	250	250	250	250	250	250								
Overcurrent release/relays																						
Thermomagnetic: TMF (ปรับตั้งกระแสไม่ได้)																						
Electronic: ELT adjusted LS/I (ปรับตั้งกระแสใช้งานได้ตั้งแต่ 40-100% ของ In) ⁽³⁾																						
Electronic: ELT adjusted LSI (ปรับตั้งกระแสใช้งานได้ตั้งแต่ 40-100% ของ In)																						
Basic dimensions W x D x H	[mm.]	25.4x60x130		50.8x60x130				76.2x60x130				70x60x150		105x60x150		139.5x103.5x205		139.5x103.5x205		210x103.5x208		
ราคาต่อหน่วย - บาท (3 Poles fixed Version)																						
Thermomagnetic		TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF	TMF		
15A, 16 A		3,020		4,120	4,570	4,600	4,650	5,500														
20A, 25A, 30A, 40A, 50A, 60A, 70A, 80A, 90A, 100 A		3,020	3,570	4,120	4,570	4,600	4,650	5,500														
125 A		3,780	4,470	5,150	5,720	5,750	5,810	6,870	6,800	7,250	7,580	9,060										
160 A									7,200	7,680	8,020	9,600										
175A, 200A, 255A, 250 A									8,000	8,530	8,910	10,700										
320A, 400 A													23,400	25,700								
Electronic release															Tmax 400A. PR221DS/P-LS/I		Tmax 800A. PR221DS/P-LS/I					
															***	***	***	***	***	***		
Electronic release															PR222DS/P-LSIG		PR222DS/P-LSIG					
															***	***	***	***	***	***		
FORMULA Link - บาท (Instant Busbar Distribution)																						
Electrical Characteristics																						
Rated Operational Voltage 50 – 60 Hz : 550 [Vac]																						
Rated Insulation Voltage : 690 [Vac]																						
FORMULA Link Busbar (1 set required for 1 system)																						
FORMULA Link Size 250A Length F1 For Main MCCB A2												6,770			6,770			6,770				
FORMULA Link Size 250A Length F2 For Main MCCB A2												7,840			7,840			7,840				
FORMULA Link Size 250A Length F3 For Main MCCB A2												8,990			8,990			8,990				
FORMULA Link Size 250A Length F4 For Main MCCB A2												10,200			10,200			10,200				
FORMULA Link Size 250A Length F5 For Main MCCB A2												11,400			11,400			11,400				
Incoming Terminal (1 set required for 1 system)																						
Incoming Terminal connect FORMULA Link 250A with Main MCCB A2												1,130			1,130			1,130				
Incoming Terminal connect FORMULA Link 250A with cable lug												1,130			1,130			1,130				
FORMULA Link Busbar (1 set required for 1 system)																						
FORMULA Link Size 400A Length F1 For Main MCCB A3 or T5												8,780			8,780			8,780				
FORMULA Link Size 400A Length F2 For Main MCCB A3 or T5												10,200			10,200			10,200				
FORMULA Link Size 400A Length F3 For Main MCCB A3 or T5												11,700			11,700			11,700				
FORMULA Link Size 400A Length F4 For Main MCCB A3 or T5												13,200			13,200			13,200				
FORMULA Link Size 400A Length F5 For Main MCCB A3 or T5												14,800			14,800			14,800				
Incoming Terminal (1 set required for 1 system)																						
Incoming Terminal connect FORMULA Link 400/630A with Main MCCB A3 or T5												1,600			1,600			1,600				
Incoming Terminal connect FORMULA Link 400A with cable lug												1,600			1,600			1,600				
FORMULA Link Busbar (1 set required for 1 system)																						
FORMULA Link Size 630/800A Length F1 For Main MCCB T6																		10,500				
FORMULA Link Size 630/800A Length F2 For Main MCCB T6																		12,200				
FORMULA Link Size 630/800A Length F3 For Main MCCB T6																		14,000				
FORMULA Link Size 630/800A Length F4 For Main MCCB T6																		15,800				
FORMULA Link Size 630/800A Length F5 For Main MCCB T6																		17,700				
Incoming Terminal (1 set required for 1 system)																						
Incoming Terminal connect FORMULA Link 630/800A with Main MCCB T6																		2,560				
Incoming Terminal connect FORMULA Link 630/800A with cable lug																		2,560				
Outgoing Terminal																						
(order 1 set for 6units of 1-pole MCCB or order 1 set for 2units of 3-pole MCCB)																						
Outgoing Terminal 1 set (6 modules) for MCCB Size A1 connect FORMULA Link 250A												1,220			1,220			1,220				
Outgoing Terminal 1 set (6 modules) for MCCB Size A1 or A2 connect FORMULA Link 400A												1,220			1,220			1,220				
Outgoing Terminal 1 set (6 modules) for MCCB Size A1 or A2 connect FORMULA Link 800A												1,220			1,220			1,220				

(1) A1N 2Poles

In =15A, Icu =30kA

(2) A1N 3 and 4Poles

In =15A, Icu =30kA

In =16A, Icu =30kA

(3) A3N และ A3S Electronic: LI

*** หากต้องการทราบราคารวมติดต่อตัวแทนจำหน่ายผลิตภัณฑ์เอบีบี