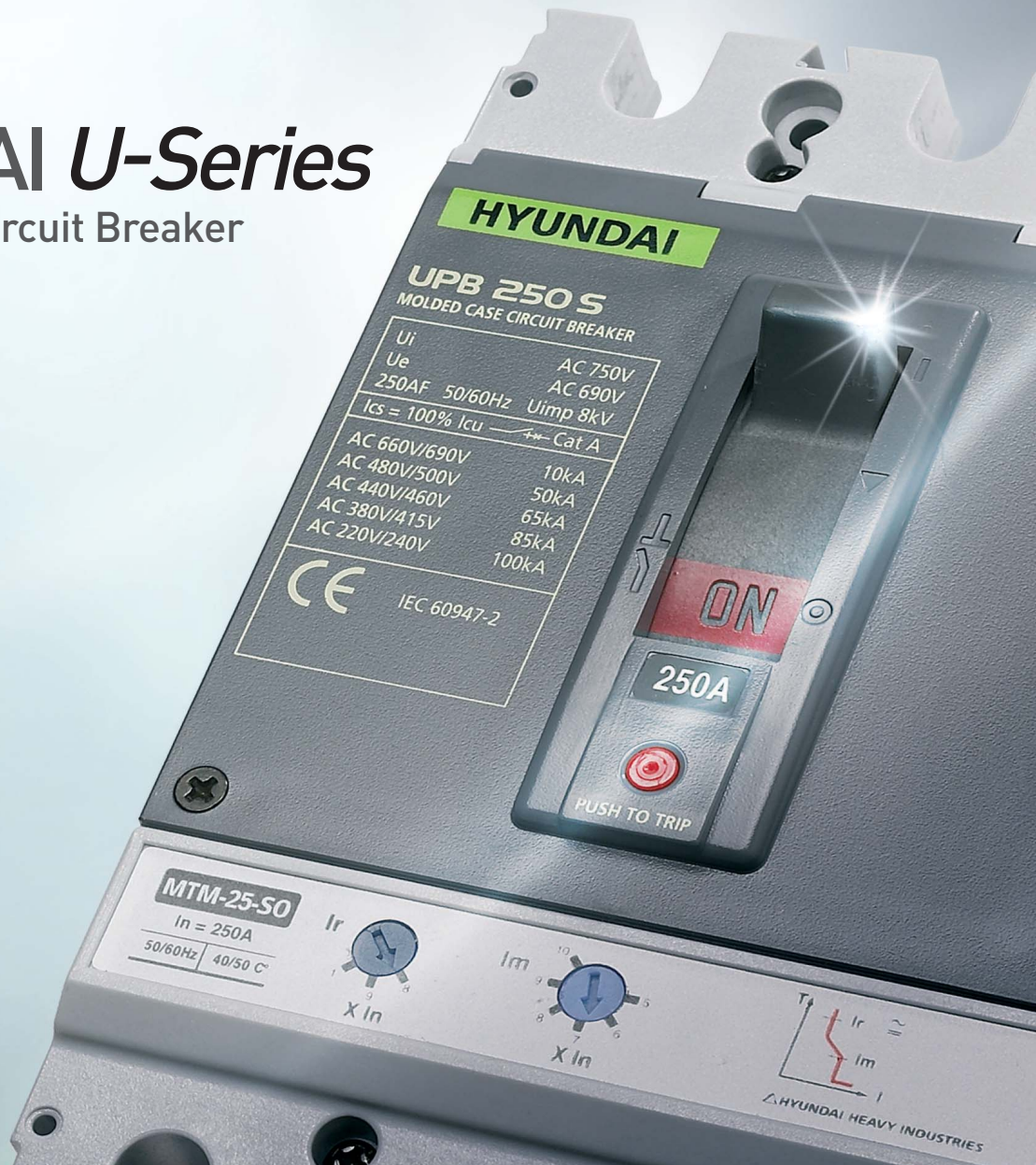


NEW
HYUNDAI U-Series
 Molded Case Circuit Breaker



HYUNDAI

U-Series Molded Case Circuit Breaker

| Wide and Powerful Range



UAB, UCB Type

[up to 1600AF]

| Compact Size |

- High breaking capacity in 60mm depth, up to 250AF
- Application of current limiting technology
- UAB type
 - up to 25kA at AC380/415V in W75 x H130 x D60mm
- UCB type
 - up to 50kA at AC380/415V in W90/105 x H165 x D60mm

| Reliable Quality |

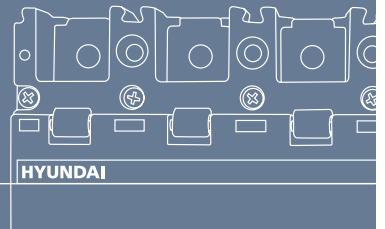
- Type-tested by KEMA Netherlands

| Wide and Powerful Range |

- 50, 125, 250, 400, 630, 800, 1000, 1250, 1600AF
- Fixed or adjustable thermal trip mechanism up to 800AF
- Double protected electronic trip mechanism for 1600AF

| Various Accessories |

- Motor operator and operating handles for smooth operation
- Terminal cover and terminal busbar for safety
- DIN rail adapter and mounting base for easy installation
- Switches and trip devices for control by signals



Modern and Customized Design |



UPB, HBL Type

[125,160,250,400,630AF]

| High Breaking Capacity |

- Up to 150kA at AC380/415V
- Based on current limiting technology
- Ics=100% Icu

| Reliable Quality |

- Type-tested by international test authorities
- KEMA for IEC standard, KERI for NEMA standard

| Diverse Trip Mechanism and Application |

- Fixed & adjustable thermal, electronic
- Motor protection, nuclear power plant

Miniature Type

[30, 50, 100AF]

| Industrial and Residential Application |

- Mini molded case circuit breaker
- Mini earth leakage circuit breaker
- Up to 100A, 10kA

| Various Protection |

- Short circuit and overload
- Earth leakage protection

| Internal Accessories |

- Auxiliary switch
- Trip alarm switch
- Shunt trip

U-Series Molded Case Circuit Breaker

1. Fixed thermal type

Type	Ampere frame	Model	Number of poles	Breaking capacity [Icu] (kA rms)				Dimensions (mm)				
				AC 220/240V	AC 380/415V	AC 440/460V	AC 600/660V	Width	Height	Depth		
UAB	50	UAB 50S	2,3,4	42	25	21	7.5	50/75/100	130	60		
		UAB 50H	2,3,4	50	30	25	10					
	125	UAB 100R	2,3,4	42	25	21	7.5					
		UAB 100S	2,3,4	50	30	25	10					
UCB	50	UCB 50H	2,3,4	85	42	42	18	90/90/120	155	60		
		UCB 50L	2,3,4	100	50	50	25					
	125	UCB 100H	2,3,4	85	42	42	18					
		UCB 100L	2,3,4	100	50	50	25					
	160	UCB 160H	2,3,4	85	42	42	18	105/105/140	165	60		
		UCB 160L	2,3,4	100	50	50	25					
	250	250	UCB 250R	2,3,4	35	25	18	7.5	105/105/140	164	60	
			UCB 250S	2,3,4	50	36	25	10				
		400	UCB 250H	2,3,4	85	42	42	18	105/105/140	165	60	
			UCB 250L	2,3,4	100	50	50	25				
	800	400	UCB 400R	3,4	35	30	25	18	140/185	257	110	
			UCB 400S	3,4	50	42	35	22				
			UCB 400H	3,4	85	65	50	25				
			UCB 400L	3,4	125	100	85	30				
		630	630	UCB 630R	3,4	50	45	35	22	210/280	280	110
				UCB 630S	3,4	100	65	50	25			
UCB 630H				3,4	100	85	65	35				
UCB 630L				3,4	125	100	85	35				
800		800	UCB 800R	3,4	50	45	35	25	210/280	280	110	
			UCB 800S	3,4	100	65	50	25				
			UCB 800H	3,4	100	85	65	35				
			UCB 800L	3,4	125	100	85	35				
UPB	125	UPB 100S	3,4	100	85	65	10	105/140	165	86.5		
		UPB 100H	3,4	130	100	85	10					
		UPB 100L	3,4	150	130	100	20					
		UPB 100X	3,4	200	150	150	25					
	160	UPB 160S	3,4	100	85	65	10					
		UPB 160H	3,4	130	100	85	10					
		UPB 160L	3,4	150	130	100	20					
		UPB 160X	3,4	200	150	150	25					
	250	UPB 250S	3,4	100	85	65	10					
		UPB 250H	3,4	130	100	85	10					
		UPB 250L	3,4	150	130	100	20					
		UPB 250X	3,4	200	150	150	25					

2. Q-class type (Nuclear power plant application)

1) Fixed thermal type

Type	Ampere frame	Model	Number of poles	Breaking capacity [Icu] (kA rms)					Dimensions (mm)		
				AC 220/240V	AC 380/415V	AC 440/460V	AC 480/500V	AC 600/660V	Width	Height	Depth
HBL	100	HBL 103U	3	200	150	100	85	25	105	165	86.5
		HBL 103UQ	3	200	150	100	85	25			
	225	HBL 203U	3	200	150	100	85	25			
		HBL 203UQ	3	200	150	100	85	25			

2) Instantaneous only type (recommended for motor protection)

Type	Ampere frame	Model	Number of poles	Breaking capacity [Icu] (kA rms)					Dimensions (mm)		
				AC 220/240V	AC 380/415V	AC 440/460V	AC 480/500V	AC 600/660V	Width	Height	Depth
HBL	100	HBL 103UM	3	200	150	100	85	25	105	165	86.5
		HBL 103UMQ	3	200	150	100	85	25			
	225	HBL 203UM	3	200	150	100	85	25			
		HBL 203UMQ	3	200	150	100	85	25			

3. Adjustable type

1) Thermal type

Type	Ampere frame	Model	Number of poles	Breaking capacity [Icu] (kA rms)				Dimensions (mm)			
				AC 220/240V	AC 380/415V	AC 440/460V	AC 600/660V	Width	Height	Depth	
UAB	50	UAB 50S	3,4	42	25	21	7.5	75/100	130	60	
		UAB 50H	3,4	50	30	25	10				
	125	UAB 100R	3,4	42	25	21	7.5				
		UAB 100S	3,4	50	30	25	10				
UCB	50	UCB 50H	2,3,4	85	42	42	18	90/90/120	155	60	
		UCB 50L	2,3,4	100	50	50	25				
	125	UCB 100H	2,3,4	85	42	42	18				
		UCB 100L	2,3,4	100	50	50	25				
	160	UCB 160H	2,3,4	85	42	42	18	105/105/140	165	60	
		UCB 160L	2,3,4	100	50	50	25				
	250	UCB 250R	UCB 250R	2,3,4	35	25	18	7.5	105/105/140	164	60
			UCB 250S	2,3,4	50	36	25	10			
		UCB 250H	2,3,4	85	42	42	18				
		UCB 250L	2,3,4	100	50	50	25				
		400	UCB 400R	3,4	35	30	25	18	140/185	257	110
			UCB 400S	3,4	50	42	35	22			
			UCB 400H	3,4	85	65	50	25			
			UCB 400L	3,4	125	100	85	30			
	630	UCB 630R	3,4	50	45	35	22	210/280	280	110	
		UCB 630S	3,4	100	65	50	25				
		UCB 630H	3,4	100	85	65	35				
		UCB 630L	3,4	125	100	85	35				
	800	UCB 800R	3,4	50	45	35	25	210/280	280	110	
		UCB 800S	3,4	100	65	50	25				
UCB 800H		3,4	100	85	65	35					
UCB 800L		3,4	125	100	85	35					
UPB		125	UPB 100S	3,4	100	85	65	10	105/140	165	86.5
			UPB 100H	3,4	130	100	85	10			
			UPB 100L	3,4	150	130	100	20			
			UPB 100X	3,4	200	150	150	25			
	160	UPB 160S	3,4	100	85	65	10				
		UPB 160H	3,4	130	100	85	10				
		UPB 160L	3,4	150	130	100	20				
		UPB 160X	3,4	200	150	150	25				
	250	UPB 250S	3,4	100	85	65	10				
		UPB 250H	3,4	130	100	85	10				
		UPB 250L	3,4	150	130	100	20				
		UPB 250X	3,4	200	150	150	25				

2) Electronic type

Type	Ampere frame	Model	Number of poles	Breaking capacity [Icu] (kA rms)				Dimensions (mm)					
				AC 220/240V	AC 380/415V	AC 440/460V	AC 600/660V	Width	Height	Depth			
UCB	800	UCB 800S	3,4	100	100	75	10	210/280	370	110/200			
		UCB 800L	3,4	150	130	100	20						
	1000	UCB 1000S	3,4	100	100	75	10						
		UCB 1000L	3,4	150	130	100	20						
	1250	UCB 1250S	3,4	100	100	75	10						
		UCB 1250L	3,4	150	130	100	20						
1600	UCB 1600S	3	100	65	45	25	210	371	151				
UPB	125	UPB 100S	3,4	100	85	65	10	105/140	165	86.5			
		UPB 100H	3,4	130	100	85	10						
		UPB 100L	3,4	150	130	100	20						
		UPB 100X	3,4	200	150	150	25						
	160	UPB 160S	3,4	100	85	65	10						
		UPB 160H	3,4	130	100	85	10						
		UPB 160L	3,4	150	130	100	20						
		UPB 160X	3,4	200	150	150	25						
	250	UPB 250S	3,4	100	85	65	10						
		UPB 250H	3,4	130	100	85	10						
		UPB 250L	3,4	150	130	100	20						
		UPB 250X	3,4	200	150	150	25						
		400	UPB 400S	3,4	100	85	65				10		
			UPB 400H	3,4	130	100	85				10		
			UPB 400L	3,4	150	130	100				20		
			UPB 400X	3,4	200	150	150				25		
	630	UPB 630S	3,4	100	85	65	10				140/185	255	117
		UPB 630H	3,4	130	100	85	10						
		UPB 630L	3,4	150	130	100	20						
		UPB 630X	3,4	200	150	150	25						

3) Instantaneous only type (recommended for motor protection)

Type	Ampere frame	Model	Number of poles	Breaking capacity [Icu] (kA rms)				Dimensions (mm)		
				AC 220/240V	AC 380/415V	AC 440/460V	AC 600/660V	Width	Height	Depth
UPB	125	UPB 100H	3	130	100	85	10	105	165	86.5
		UPB 100L	3	150	130	100	20			
	250	UPB 250H	3	130	100	85	10			
		UPB 250L	3	150	130	100	20			

4. Miniature type

1) Mini molded case circuit breaker

Type	Ampere frame	Model	Number of poles	Breaking capacity [Icu] (kA rms)			Dimensions (mm)		
				AC 220/240V	AC 380/415V	AC 440/460V	Width	Height	Depth
UBD	30	UBD 30L	2	5	-	-	35	82.5	42
		UBD 30H	2	5	-	-			60
UMB	30	UMB 30S	2	5	-	-	35	80	60
		UMB 30H	2	10	-	-			
	50	UMB 50S	2	5	-	-			
		UMB 50H	2	10	-	-			
UDB	30	UDB 30S	2,3	5	2.5	2.5	50/75	96	60
		UDB 30H	2,3	10	5	5			
	50	UDB 50S	2,3	5	2.5	2.5			
		UDB 50H	2,3	10	5	5			
	100	UDB 100S	2,3	5	2.5	2.5			
		UDB 100H	2,3	10	5	5			

2) Mini earth leakage circuit breaker

Type	Ampere frame	Model	Number of poles	Breaking capacity [Icu] (kA rms)			Dimensions (mm)		
				AC 220/240V	AC 380/415V	AC 440/460V	Width	Height	Depth
UGD	30	UGD 30L	2	5	-	-	35	82.5	42
		UGD 30H	2	5	-	-			60
UMG	30	UMG 30S	2	5	-	-	35	80	60
		UMG 30H	2	10	-	-			
	50	UMG 50S	2	5	-	-			
		UMG 50H	2	10	-	-			
UDG	30	UDG 30S	2,3	5	2.5	2.5	50/75	96	60
		UDG 30H	2,3	10	5	5			
	50	UDG 50S	2,3	5	2.5	2.5			
		UDG 50H	2,3	10	5	5			
	100	UDG 100S	2,3	5	2.5	2.5			
		UDG 100H	2,3	10	5	5			

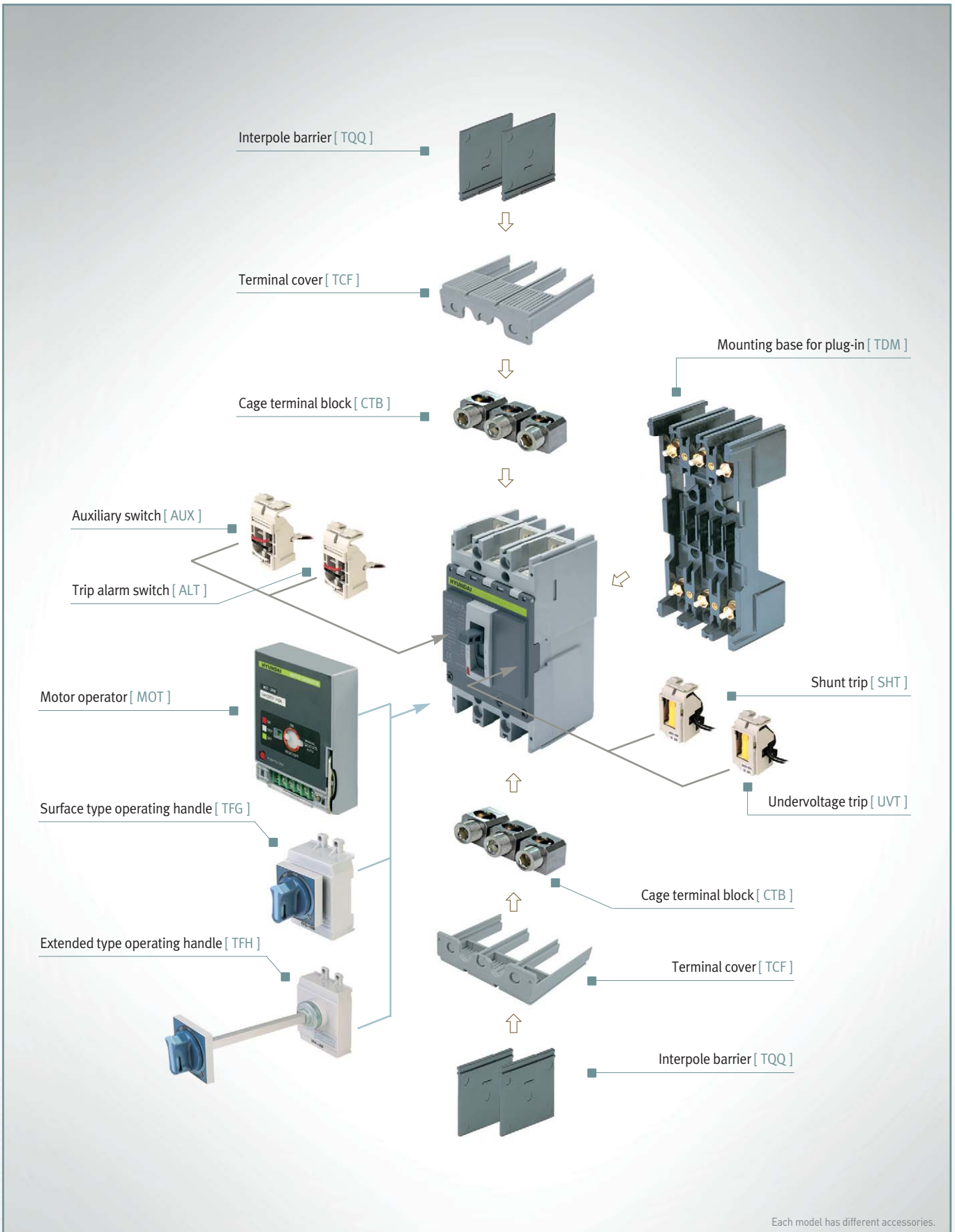
5. Switch disconnecter type

Type	Ampere frame	Model	Number of poles	Dimensions (mm)			
				Width	Height	Depth	
UAB	50	UAB 50S	3	75	130	60	
	100	UAB 100R	3				
UCB	50	UCB 50H	3	90	155	60	
	125	UCB 100H	3				
	160	UCB 160H	3	105	165	60	
	250	UCB 250R	3				
	400	UCB 400S	3				
	630	UCB 630S	3				
	UPB	800	UCB 800S	3	210	280	110
		125	UPB 100S	3	105	165	86.5
160		UPB 160S	3				
250		UPB 250S	3				
400		UPB 400S	3				
630	UPB 630S	3	140	255			

U-Series Molded Case Circuit Breaker



Accessories for UAB, UCB, UPB Type



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