

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 |

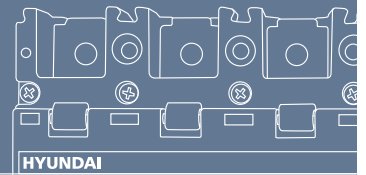
- Type-tested by KEMA Netherlands

| 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
- I_{cs}=100% I_{cu}

| 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	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	UCB 250H	2,3,4	85	42	42	18	105/105/140	165	60
			UCB 250L	2,3,4	100	50	50	25			
	400	UCB 400R	UCB 400R	3,4	35	30	25	18	140/185	257	110
			UCB 400S	3,4	50	42	35	22			
UCB 400H		UCB 400H	3,4	85	65	50	25				
		UCB 400L	3,4	125	100	85	30				
630	UCB 630R	UCB 630R	3,4	50	45	35	22	210/280	280	110	
		UCB 630S	3,4	100	65	50	25				
	UCB 630H	UCB 630H	3,4	100	85	65	35				
		UCB 630L	3,4	125	100	85	35				
800	UCB 800R	UCB 800R	3,4	50	45	35	25	210/280	280	110	
		UCB 800S	3,4	100	65	50	25				
	UCB 800H	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							
	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							
	UCB 100H	2,3,4	85	42	42	18								
	UCB 100L	2,3,4	100	50	50	25								
	125	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	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	105/105/140	165	60				
		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							
250		UPB 160X	3,4	200	150	150	25							
		UPB 250S	3,4	100	85	65	10							
		UPB 250H	3,4	130	100	85	10							
250	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				140/185	255	117	
		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
			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			

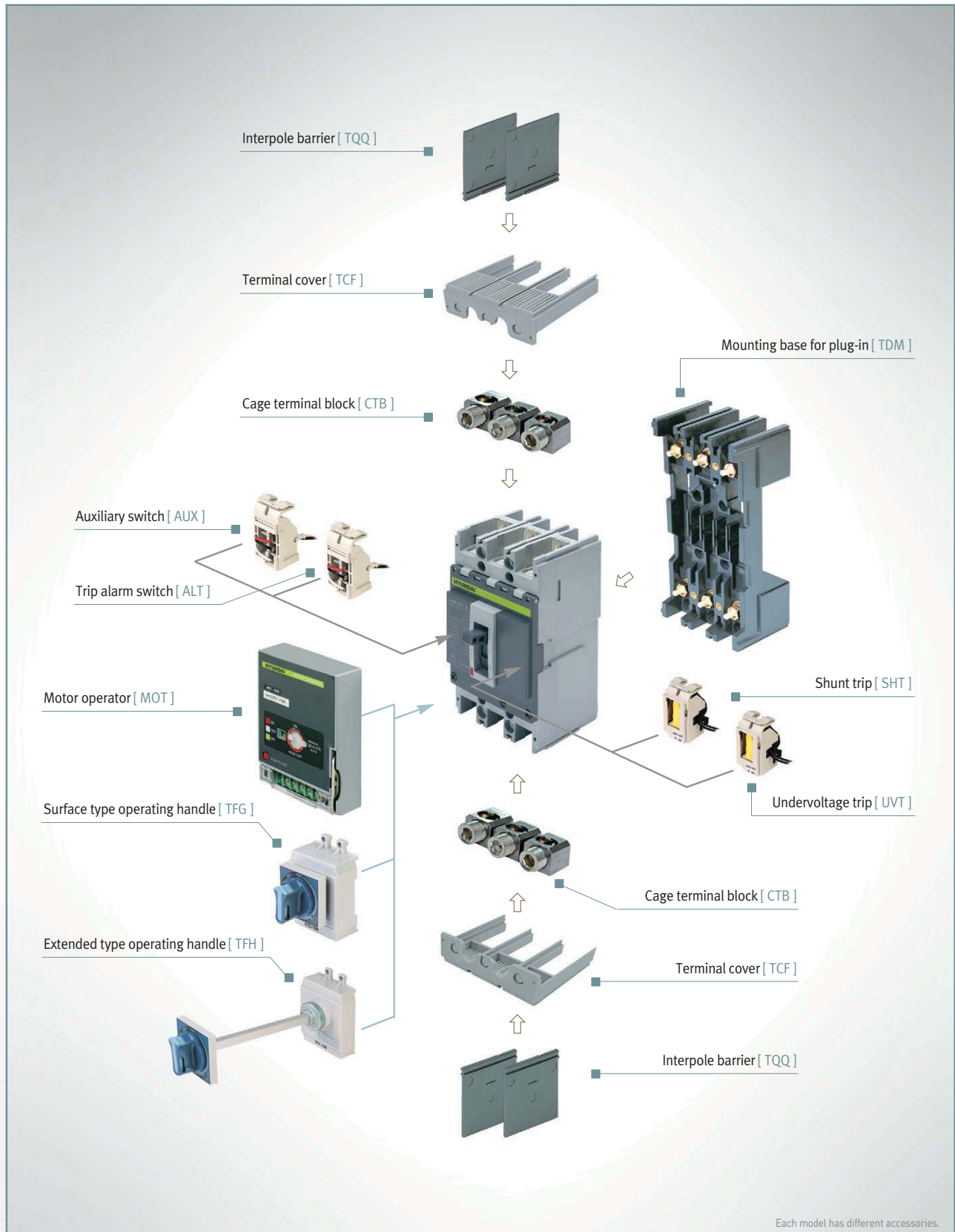
5. Switch disconnecter type

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	164	60
		250	UCB 250R			
	250	UCB 250H	3	140	257	110
	400	UCB 400S	3			
UPB	630	UCB 630S	3	210	280	110
	800	UCB 800S	3			
	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			

U-Series Molded Case Circuit Breaker



Accessories for UAB, UCB, UPB Type



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