

# Quick Selection Table

## | UAB type / 30-100AF |

Ampere frame	Model	Number of poles	Rated current (A)	Breaking capacity [Icu] (kA r.m.s.)				Trip mechanism & Characteristics			Dimensions (mm)		
				AC220V AC240V	AC380V AC415V	AC440V AC460V	AC600V AC660V	Hydraulic magnetic	Thermal magnetic Fixed	Adjustable	Width	Height	Depth
30	UAB30C	2, 3	3, 5, 10, 15, 20, 30	10	<b>7.5/5</b>	5	2.5	○	–	–	50/75	130	60
	UAB30R	2, 3	5, 10, 15, 20, 30	25	<b>14/10</b>	10	5	○	–	–			
50	UAB50C	2, 3, 4	5, 10, 15, 20, 30, 40, 50	10	<b>7.5/5</b>	5	2.5	○	–	–	50/75/100	130	60
	UAB50R	2, 3, 4	5, 10, 15, 20, 30, 40, 50	25	<b>14/10</b>	10	5	○	–	–			
	UAB50S	2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50	42	<b>25</b>	21	7.5	–	○	○ <sup>1)</sup>			
	UAB50H	2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50	50	<b>30</b>	25	10	–	○	○ <sup>1)</sup>			
60	UAB60C	2, 3, 4	5, 10, 15, 20, 30, 40, 50, 60	10	<b>7.5/5</b>	5	2.5	○	–	–	50/75/100	130	60
	UAB60R	2, 3, 4	5, 10, 15, 20, 30, 40, 50, 60	25	<b>14/10</b>	10	5	○	–	–			
100	UAB100C	2, 3, 4	5, 10, 15, 20, 30, 40, 50, 60, 75, 100	25	<b>14/10</b>	10	5	○	–	–	50/75/100	130	60
	UAB100R	2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100	42	<b>25</b>	21	7.5	–	○	○ <sup>1)</sup>			
	UAB100S	2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100	50	<b>30</b>	25	10	–	○	○ <sup>1)</sup>			

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Not applicable to 2P breaker.

## | UCB type / 50-1600AF |

Ampere frame	Model	Number of poles	Rated current (A)	Breaking capacity [Icu] (kA r.m.s.)				Trip mechanism & Characteristics			Dimensions (mm)		
				AC220V AC240V	AC380V AC415V	AC440V AC460V	AC600V AC660V	Thermal magnetic Fixed	Adjustable	Electronic	Width	Height	Depth
50	UCB50R	2, 3, 4	15, 20, 30, 40, 50	50	<b>30/25</b>	25	10	○	–	–	60/90/120	155	60
	UCB50H	*2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50	85	<b>42</b>	42	20	○	○	–	90/90/120	155	60
	UCB50L	*2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50	100	<b>50</b>	50	25	○	○	–	90/90/120	155	60
100	UCB100R	2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100	50	<b>30/25</b>	25	10	○	○	–	60/90/120	155	60
	UCB100S	2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100	65	<b>42/36</b>	35	18	○	○	–	60/90/120	155	60
125	UCB100H	*2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100, 125	85	<b>42</b>	42	20	○	○	–	90/90/120	155	60
	UCB100L	*2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100, 125	100	<b>50</b>	50	25	○	○	–	90/90/120	155	60
160	UCB160H	*2, 3, 4	100, 125, 160	85	<b>42</b>	42	20	○	○	–	105/105/140	165	60
	UCB160L	*2, 3, 4	100, 125, 160	100	<b>50</b>	50	25	○	○	–	105/105/140	165	60
250	UCB250R	*2, 3, 4	125, 150, 160, 175, 200, 225, 250	35	<b>25/18</b>	18	7.5	○	○	–	105/105/140	164	60
	UCB250S	*2, 3, 4	125, 150, 160, 175, 200, 225, 250	50	<b>35/25</b>	25	10	○	○	–			
	UCB250N	*2, 3, 4	125, 150, 160, 175, 200, 225, 250	65	<b>42/36</b>	35	18	○	○	–	105/105/140	165	60
	UCB250H	*2, 3, 4	125, 150, 160, 175, 200, 225, 250	85	<b>42</b>	42	20	○	○	–			
	UCB250L	*2, 3, 4	125, 150, 160, 175, 200, 225, 250	100	<b>50</b>	50	25	○	○	–			
400	UCB400R	*2, 3, 4	250, 300, 320, 350, 400	35	<b>30</b>	25	18	○	○	–	140/140/185	257	110
	UCB400S	*2, 3, 4	250, 300, 320, 350, 400	50	<b>42</b>	35	22	○	○	–			
	UCB400H	*2, 3, 4	250, 300, 320, 350, 400	85	<b>65</b>	50	25	○	○	–			
	UCB400L	*2, 3, 4	250, 300, 320, 350, 400	125	<b>100</b>	85	30	○	○	–			
630	UCB630R	*2, 3, 4	500, 630	50	<b>45</b>	35	22	○	○	–	210/210/280	280	110
	UCB630S	*2, 3, 4	500, 630	100	<b>65</b>	50	25	○	○	–			
	UCB630H	*2, 3, 4	500, 630	100	<b>85</b>	65	35	○	○	–			
	UCB630L	*2, 3, 4	500, 630	125	<b>100</b>	85	35	○	○	–			
800	UCB800R	*2, 3, 4	700, 800	50	<b>45</b>	35	25	○	○	–	210/210/280	280	110
	UCB800S	*2, 3, 4	700, 800	100	<b>65</b>	50	25	○	○	–			
	UCB800H	*2, 3, 4	700, 800	100	<b>85</b>	65	35	○	○	–			
	UCB800L	*2, 3, 4	700, 800	125	<b>100</b>	85	35	○	○	–			
1000	UCB1000S	3, 4	505-1000	100	<b>100</b>	75	40	–	–	○	210/280	370	110/200
	UCB1000L	3, 4	505-1000	150	<b>130</b>	100	60	–	–	○			
1250	UCB1250S	3, 4	630-1250	100	<b>100</b>	75	40	–	–	○	210/280	370	110/200
	UCB1250L	3, 4	630-1250	150	<b>130</b>	100	60	–	–	○			
1600	UCB1600S	3	640-1600	100	<b>65</b>	45	25	–	–	○	210	371	151

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

\*2P breaker has same dimension with 3P breaker, but the middle pole is removed.

## | UPB type / 125-630AF |

Ampere frame	Model	Number of poles	Rated current (A)	Breaking capacity [Icu] (kA r.m.s.)				Trip mechanism & Characteristics			Dimensions (mm)		
				AC220V AC240V	AC380V AC415V	AC440V AC460V	AC660V AC690V	Thermal magnetic Fixed	Thermal magnetic Adjustable	Electronic	Width	Height	Depth
125	UPB100S	3, 4	15,16,20,25,30,32,40,50,63,80,100,125 <sup>1)</sup>	100	<b>85</b>	65	10	○	○	○	105/140	165	86.5
	UPB100H	3, 4	15,16,20,25,30,32,40,50,63,80,100,125 <sup>1)</sup>	130	<b>100</b>	85	10	○	○	○			
	UPB100L	3, 4	15,16,20,25,30,32,40,50,63,80,100,125 <sup>1)</sup>	150	<b>130</b>	100	20	○	○	○			
	UPB100X	3, 4	15,16,20,25,30,32,40,50,63,80,100,125 <sup>1)</sup>	200	<b>150</b>	150	25	○	○	○			
160	UPB160S	3, 4	100,125,160 <sup>1)</sup>	100	<b>85</b>	65	10	○	○	○			
	UPB160H	3, 4	100,125,160 <sup>1)</sup>	130	<b>100</b>	85	10	○	○	○			
	UPB160L	3, 4	100,125,160 <sup>1)</sup>	150	<b>130</b>	100	20	○	○	○			
	UPB160X	3, 4	100,125,160 <sup>1)</sup>	200	<b>150</b>	150	25	○	○	○			
250	UPB250S	3, 4	125,150,160,175,200,225,250 <sup>1)</sup>	100	<b>85</b>	65	10	○	○	○			
	UPB250H	3, 4	125,150,160,175,200,225,250 <sup>1)</sup>	130	<b>100</b>	85	10	○	○	○			
	UPB250L	3, 4	125,150,160,175,200,225,250 <sup>1)</sup>	150	<b>130</b>	100	20	○	○	○			
	UPB250X	3, 4	125,150,160,175,200,225,250 <sup>1)</sup>	200	<b>150</b>	150	25	○	○	○			
400	UPB400S	3, 4	200-400	100	<b>85</b>	65	10	–	–	○	140/185	255	117
	UPB400H	3, 4	200-400	130	<b>100</b>	85	10	–	–	○			
	UPB400L	3, 4	200-400	150	<b>130</b>	100	20	–	–	○			
	UPB400X	3, 4	200-400	200	<b>150</b>	150	25	–	–	○			
630	UPB630S	3, 4	320-630	100	<b>85</b>	65	10	–	–	○			
	UPB630H	3, 4	320-630	130	<b>100</b>	85	10	–	–	○			
	UPB630L	3, 4	320-630	150	<b>130</b>	100	20	–	–	○			
	UPB630X	3, 4	320-630	200	<b>150</b>	150	25	–	–	○			

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Rated current of electronic types are as followings; · UPB100: 50-125A · UPB160: 63-160A · UPB250: 100-250A

## | Motor protection / UPB type 125-250AF |

Ampere frame	Model	Number of poles	Rated current (A)	Breaking capacity [Icu] (kA r.m.s.)				Dimensions (mm)		
				AC220V AC240V	AC380V AC415V	AC440V AC460V	AC660V AC690V	Width	Height	Depth
125	UPB100H	3	2.5,3.2,6.3,12.5,20,32,50,63,80,100	10	85	100	130	105	165	86.5
	UPB100L	3	2.5,3.2,6.3,12.5,20,32,50,63,80,100	20	100	130	150			
250	UPB250H	3	125,150,175,200,225	10	85	100	130			
	UPB250L	3	125,150,175,200,225	20	100	130	150			

## | Q-class (for newclear power plant application) / HBL type 100-225AF |

Ampere frame	Model	Number of poles	Rated current (A)	Breaking capacity [Icu] (kA r.m.s.)					Characteristics		Dimensions (mm)		
				AC220V AC240V	AC380V AC415V	AC440V AC460V	AC480V AC500V	AC660V AC690V	E1 class	Motor protection	Width	Height	Depth
100	HBL103U	3	15,20,30,40,50,60,75,100	200	150	100	85	25	–	–	105	165	86.5
	HBL103UQ	3	15,20,30,40,50,60,75,100	200	150	100	85	25	○	–			
	HBL103UM	3	2.5,3.2,6.3,12.5,20,32,50,63,80,100	200	150	100	85	25	–	○			
	HBL103UMQ	3	2.5,3.2,6.3,12.5,20,32,50,63,80,100	200	150	100	85	25	○	○			
225	HBL203U	3	125,150,175,200,225	200	150	100	85	25	–	–			
	HBL203UQ	3	125,150,175,200,225	200	150	100	85	25	○	–			
	HBL203UM	3	125,150,175,200,225	200	150	100	85	25	–	○			
	HBL203UMQ	3	125,150,175,200,225	200	150	100	85	25	○	○			

## Quick Selection Table

### | Switch disconnector / 50-1250AF |

Type	Ampere frame	Model	Number of poles	Rated current (A)	Dimensions (mm)			Type	Ampere frame	Model	Number of poles	Rated current (A)	Dimensions (mm)						
					Width	Height	Depth						Width	Height	Depth				
UCD	50	UCD50H	3	50	90	155	60	UAD	50	UAD50C	3	50	75	130	60				
	100	UCD100R	3	100						UAD50S	3	50							
	125	UCD100H	3	125						UAD100R	3	100							
	160	UCD160H	3	160	105	165	60	UPD	125	UPD100S	3	125	105	165	86.5				
	250	UCD250S	3	250						105	164	60				160	UPD160S	3	160
		UCD250H	3	250						105	165	60				250	UPD250S	3	250
	400	UCD400S	3	400						140	257	110				400	UPD400S	3	400
	630	UCD630S	3	630	210	280	110	630	UPD630S	3	630								
	800	UCD800S	3	800				210	370	110									
	1000	UCD1000S	3	1000															
1250	UCD1250S	3	1250																

### | Miniature type / 30-100AF |





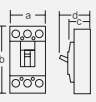
Type	Ampere frame	Model		Number of poles	Rated current (A)	Rated residual current [I <sub>Δn</sub> ] (mA) for ELCB	Breaking capacity [I <sub>cu</sub> ] (kA r.m.s.)			Dimensions (mm)		
		Molded case circuit breaker	Earth leakage circuit breaker				AC220V AC240V	AC380V AC415V	AC440V AC460V	Width	Height	Depth
UBD	30	UBD30L	UGD30L	2	15,20,30	15,30	5	–	–	35	82.5	42
UGD		UBD30H	UGD30H	2	15,20,30	15,30	5	–	–			60
UMB	30	UMB30R	UMG30R	2	15,20,30	15,30	2.5	–	–	33	70	57
		UMB30S	UMG30S	2	15,20,30	15,30	5	–	–			
UMG	50	UMB30H	UMG30H	2	15,20,30	15,30	10	–	–	35	80	60
		UMB50S	UMG50S	2	15,20,30,40,50	15,30	5	–	–			
		UMB50H	UMG50H	2	15,20,30,40,50	15,30	10	–	–			
UDB	30	UDB30S	UDG30S	2,3	3,5,10,15,20,30	15,30	5	2.5	2.5	50/75	96	60
		UDB30H	UDG30H	2,3	5,10 15,20,30	15,30	5	2.5	2.5			
	50	UDB50S	UDG50S	2,3	5,10,15,20,30,40,50	15,30	5	2.5	2.5			
		UDB50H	UDG50H	2,3	5,10 15,20,30,40,50	15,30	5	2.5	2.5			
UDG	100	UDB100S	UDG100S	*2,3	15,20,30,40,50,60,75,100	30,100	5	2.5	2.5	75/75	96	60
		UDB100H	UDG100H	*2,3	15,20,30,40,50,60,75,100	30,100	10	5	5			

\* \*2P breaker has same dimension with 3P breaker, but the middle pole is removed.



# Rating Overview

## | UAB type / 30-50AF |





Model		UAB30		UAB50				
Figure								
Ampere frame size		30AF		50AF				
Number of poles (P)		2, 3		2, 3, 4				
Degree of protection (with terminal cover)		IP20		IP20				
Utilization category		A		A				
Suitability of isolation		O		O				
Protection		overload, inst., short-circuit		overload, inst., short-circuit				
Rating	Rated current [A]	3,5,10,15,20,30   5,10,15,20,30		5,10,15,20,30,40,50				
	Rated insulation voltage [Ui] [V]	AC690		AC690				
	Rated operational voltage [Ue] [V]	AC660		AC660				
	Rated impulse withstand voltage [Uimp] [kV]	DC250		DC250				
Rated short-circuit breaking capacity	Ultimate [Icu] (kAr.m.s.)	Recognition code for order	C	R	C	R	S	H
		AC600/660V, 50-60Hz	2.5	5	2.5	5	7.5	10
		AC480/500V, 50-60Hz	2.5	7.5	2.5	7.5	7.5	14
		AC440/460V, 50-60Hz	5	10	5	10	21	25
		AC380/415V, 50-60Hz	<b>7.5/5</b>	<b>14/10</b>	<b>7.5/5</b>	<b>14/10</b>	<b>25</b>	<b>30</b>
		AC220/240V, 50-60Hz	10	25	10	25	42	50
	IEC 60947-2 K 60947-2	DC250V	2.5	5	2.5	5	10	14
		DC125V	5	10	5	10	15	20
Service [Ics]	% of [Icu]	50		50		50		
Trip mechanism & Protection characteristics	Hydraulic magnetic	Fixed thermal,	O		O		-	
		Fixed instantaneous	INST	12×In		12×In		-
	Thermal magnetic	Fixed thermal,	-		-		-	
		Fixed instantaneous	INST	-		-		15-32A: 20×In, 40-100A: 10×In
	Adjustable thermal,	LTD	-		-		(0.8-0.9-1)×In <sup>2)</sup>	
	Fixed instantaneous	INST	-		-		15-32A: 20×In, 40-100A: 10×In	
Mounting	Direct mounting by screw		O		O		O	
	Plug-in	for Both line & load side	O <sup>1)</sup>		O <sup>1)</sup>		O <sup>1)</sup>	
		Switchboard	Line side only		O <sup>1)</sup>		O <sup>1)</sup>	
		for Distribution board	O <sup>1)</sup>		O <sup>1)</sup>		O <sup>1)</sup>	
DIN rail	with DIN-rail adaptor	-		-		O		
Terminal connection	Screw	O		O		O		
Accessories	Signal	Auxiliary switch	AUX	O		O		
		Trip alarm switch	ALT	O		O		
		Shunt trip	SHT	O		O		
		Under voltage trip	UVT	O		O		
	Operating handle	Operating	Surface type	TFG	O <sup>1)</sup>		O <sup>2)</sup>	
		Extended type	TFH	O <sup>1)</sup>		O <sup>2)</sup>		
	Mounting	Motor operator	MOT	O		O		
		DIN-rail adaptor	DRA	-		-		
		Plug-in mounting base	TDM	O <sup>1)</sup>		O <sup>1)</sup>		
	Terminal	Cage terminal block	CTB	O		O		
		Terminal cover	TCF	O		O		
		Interpole barrier	TQQ	O <sup>3)</sup>		O <sup>3)</sup>		
Durability (times)	Mechanical operation		25,000		25,000		25,000	
	Electrical operation		15,000		15,000		15,000	
Dimensions (mm)		2/3/4P	a	Width	50/75		50/75/100	
			b	Height	130		130	
			c	Depth	60		60	
			d		82		82	
Weight (kg, breaker only)	2/3/4P	0.45/0.65		0.45/0.65/0.85		0.6/0.78/0.96		

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker 2) Available for 3P, 4P breaker

3) Supplied as standard component

## | UAB type / 60-100AF |

Model		UAB60		UAB100			
Figure							
Ampere frame size		60AF		100AF			
Number of poles (P)		2, 3, 4		2, 3, 4			
Degree of protection (with terminal cover)		IP20		IP20			
Utilization category		A		A			
Suitability of isolation		O		O			
Protection		overload, inst., short-circuit		overload, inst., short-circuit			
Rating	Rated current [A]	5, 10, 15, 20, 30, 40, 50, 60		5, 10, 15, 20, 30, 40, 50, 60, 75, 100			
	Rated insulation voltage [Ui] (V)	AC690		AC690			
	Rated operational voltage [Ue] (V)	AC660		AC660			
		DC250		DC250			
Rated impulse withstand voltage [Uimp] (kV)	6		6				
Rated short-circuit breaking capacity	Ultimate [Icu] (kA r.m.s.)	Recognition code for order	C	R	C	R	S
		AC600/660V, 50-60Hz	2.5	5	5	7.5	10
		AC480/500V, 50-60Hz	2.5	7.5	7.5	7.5	14
		AC440/460V, 50-60Hz	5	10	10	21	25
		AC380/415V, 50-60Hz	7.5/5	14/10	14/10	25	30
	IEC 60947-2 K 60947-2	DC250V	10	25	25	42	50
		DC125V	2.5	14	5	10	14
		DC125V	5	25	10	15	20
Service [Ics]	% of [Icu]	50		50			
Trip mechanism & Protection characteristics	Hydraulic magnetic	Fixed thermal,	O		-		
		Fixed instantaneous INST	12×In		12×In		
	Thermal magnetic	Fixed thermal,	-		O		
		Fixed instantaneous INST	-		15-32A: 20×In, 40-100A: 10×In		
	Adjustable thermal, LTD	-		(0.8-0.9-1)×In <sup>2)</sup>			
	Fixed instantaneous INST	-		15-32A: 20×In, 40-100A: 10×In			
Mounting	Direct mounting by screw		O		O		
	Plug-in	for Both line & load side	O		O		
		Switchboard Line side only	O <sup>1)</sup>		O <sup>1)</sup>		
		for Distribution board	O <sup>1)</sup>		O <sup>1)</sup>		
DIN rail	with DIN-rail adaptor	-		O			
Terminal connection	Screw	O		O			
Accessories	Signal	Auxiliary switch AUX	O		O		
		Trip alarm switch ALT	O		O		
		Shunt trip SHT	O		O		
		Under voltage trip UVT	O		O		
	Operating handle	Operating Surface type TFG	O <sup>2)</sup>		O <sup>2)</sup>		
		Extended type TFH	O <sup>2)</sup>		O <sup>2)</sup>		
	Motor operator MOT	O		O			
	Mounting	DIN-rail adaptor DRA	-		O		
		Plug-in mounting base TDM	O <sup>1)</sup>		O <sup>1)</sup>		
	Terminal	Cage terminal block CTB	O		O		
		Terminal cover TCF	O		O		
		Interpole barrier TQQ	O <sup>3)</sup>		O <sup>3)</sup>		
Durability (times)	Mechanical operation		25,000		25,000		
	Electrical operation		10,000		10,000		
Dimensions (mm)		2/3/4P	a Width	50/75/100			
			b Height	130			
			c Depth	60			
			d	82			
Weight (kg, breaker only)	2/3/4P	0.45/0.65/0.85		0.45/0.65/0.85			
				0.6/0.78/0.96			









※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker 2) Available for 3P, 4P breaker

3) Supplied as standard component

# Rating Overview

## | UCB type / 50-125AF |

Model		UCB50			UCB100					
Figure										
Ampere frame size		50AF			100AF		125AF			
Number of poles (P)		2, 3, 4	*2, 3, 4		2, 3, 4	*2, 3, 4				
Degree of protection (with terminal cover)		IP20			IP20		IP20			
Utilization category		A			A		A			
Suitability of isolation		○			○		○			
Protection		overload, inst., short-circuit			overload, inst., short-circuit		overload, inst., short-circuit			
Rating	Rated current [A]	15,20,30,40,50	15,16,20,25,30,32,40,50		15,16,20,25,30,32,40,50,60,63,75,80,100		15,16,20,25,30,32,40,50,60,63,75,80,100,125			
	Rated insulation voltage [Ui] [V]	AC690			AC690		AC690			
	Rated operational voltage [Ue] [V]	AC660			AC660		AC660			
		DC250			DC250		DC250			
Rated short-circuit breaking capacity	Ultimate [Icu] (kA r.m.s.)	Recognition code for order	R	H	L	R	S	H	L	
		AC600/660V, 50-60Hz	10	20	25	10	18	20	25	
		AC480/500V, 50-60Hz	14	30	35	14	25	30	35	
		AC440/460V, 50-60Hz	25	42	50	25	35	42	50	
		AC380/415V, 50-60Hz	30/25	42	50	30/25	42/36	42	50	
		AC220/240V, 50-60Hz	50	85	100	50	65	85	100	
		DC250V	14	25	40	14	18	25	40	
	DC125V	20	40	60	20	25	40	60		
Service [Ics]	% of [Icu]	50			50		50			
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal,	○			○		○		
		Fixed instantaneous	INST	10×In	15-32A: 15×In, 40-50A: 10×In		10×In		15-32A: 15×In, 40-125A: 10×In	
		Adjustable thermal,	LTD	–	(0.8-0.9-1)×In		(0.8-0.9-1)×In		(0.8-0.9-1)×In	
		Fixed instantaneous	INST	–	15-32A: 15×In, 40-50A: 10×In		10×In		15-32A: 15×In, 40-125A: 10×In	
Mounting	Direct mounting by screw		○			○		○		
	Plug-in	for Switchboard	Both line & load side	○ <sup>1)</sup>			○ <sup>1)</sup>		○ <sup>1)</sup>	
			Line side only	○ <sup>1)</sup>			○ <sup>1)</sup>		○ <sup>1)</sup>	
		for Distribution board	○ <sup>1)</sup>			○ <sup>1)</sup>		○ <sup>1)</sup>		
Terminal connection		Screw		○			○			
Accessories	Signal	Auxiliary switch	AUX	○			○			
		Trip alarm switch	ALT	○			○			
		Shunt trip	SHT	○			○			
		Under voltage trip	UVT	○			○			
	Operating handle	Surface type	TFG	○ <sup>2)</sup>			○ <sup>2)</sup>			
		Extended type	TFH	○ <sup>2)</sup>			○ <sup>2)</sup>			
	Mounting	Motor operator	MOT	○			○			
		Plug-in mounting base	TDM	○ <sup>1)</sup>			○ <sup>1)</sup>			
	Terminal	Cage terminal block	CTB	○			○			
		Terminal cover	TCF	○			○			
	Interpole barrier	TQQ	○ <sup>3)</sup>			○ <sup>3)</sup>				
Durability (times)	Mechanical operation		25,000			25,000				
	Electrical operation		10,000			10,000				
Dimensions (mm)		2/3/4P	a	Width	60/90/120	90 <sup>4)</sup> /90/120		60/90/120	90 <sup>4)</sup> /90/120	
			b	Height	155			155		
			c	Depth	60			60		
			d		84.5	84.5		84.5		
Weight (kg, breaker only)		2/3/4P	0.7/1.0/1.2		0.9/1.0/1.3		0.7/1.0/1.2			

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.





1) Available for 3P breaker

2) Available for 3P, 4P breaker

3) Supplied as standard component

4) \*2P breaker has same dimension with 3P breaker, but the middle pole is removed.

## | UCB type / 160-250AF |

Model		UCB160		UCB250						
Figure										
Ampere frame size		160AF		250AF						
Number of poles (P)		*2, 3, 4		*2, 3, 4		*2, 3, 4				
Degree of protection (with terminal cover)		IP20		IP20		IP20				
Utilization category		A		A		A				
Suitability of isolation		O		O		O				
Protection		overload, inst., short-circuit		overload, inst., short-circuit		overload, inst., short-circuit				
Rating	Rated current [A]		100, 125, 160		125, 150, 160, 175, 200, 225, 250			125, 150, 160, 175, 200, 225, 250		
	Rated insulation voltage [Ui] [V]		AC690		AC690			AC690		
	Rated operational voltage [Ue] [V]		AC660		AC660			AC660		
			DC250		DC250			DC250		
Rated impulse withstand voltage [Uimp] [kV]		6		6			6			
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [Icu] (kA r.m.s.)	Recognition code for order		H	L	R	S	N	H	L
		AC600/660V, 50-60Hz		20	25	7.5	10	18	20	25
		AC480/500V, 50-60Hz		30	35	10	14	25	30	35
		AC440/460V, 50-60Hz		42	50	18	25	35	42	50
		AC380/415V, 50-60Hz		42	50	25/18	35/25	42/36	42	50
		AC220/240V, 50-60Hz		85	100	35	50	65	85	100
		DC250V		25	40	10	14	18	25	40
		DC125V		40	60	15	20	25	40	60
Service [Ics] % of [Icu]		50		50			50			
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal, Fixed instantaneous		INST		10×In			10×In	
		Adjustable thermal, Fixed instantaneous		LTD		(0.8-0.9-1)×In			(0.8-0.9-1)×In	
		Fixed thermal, Fixed instantaneous		INST		10×In			10×In	
		Adjustable thermal, Fixed instantaneous		LTD		(0.8-0.9-1)×In			(0.8-0.9-1)×In	
Mounting	Direct mounting by screw		O		O			O		
	Plug-in	for Switchboard		Both line & load side		O <sup>1)</sup>			O <sup>1)</sup>	
		for Distribution board		Line side only		O <sup>1)</sup>			O <sup>1)</sup>	
		for Distribution board				O <sup>1)</sup>			O <sup>1)</sup>	
Terminal connection		Screw		O		O			O	
		Bus bar		O		O			O	
Accessories	Signal	Auxiliary switch AUX		O		O			O	
		Trip alarm switch ALT		O		O			O	
		Shunt trip SHT		O		O			O	
		Under voltage trip UVT		O		O			O	
	Operating handle	Operating handle		Surface type TFG		O			O	
				Extended type TFH		O			O	
		Motor operator MOT		O		O			O	
	Terminal	Mounting		Plug-in mounting base TDM		O <sup>1)</sup>			O <sup>1)</sup>	
				Terminal bus bar TBB		O			O	
				Cage terminal block CTB		O			O	
		Terminal cover TCF		O			O			
		Interpole barrier TQQ		O <sup>2)</sup>		O <sup>2)</sup>			O <sup>2)</sup>	
Durability (times)	Mechanical operation		25,000		25,000			25,000		
	Electrical operation		10,000		10,000			10,000		
Dimensions (mm)		2/3/4P	a	Width	105 <sup>3)</sup> /105/140			105 <sup>3)</sup> /105/140		
			b	Height	165			165		
			c	Depth	60			60		
			d		84.5			84.5		
Weight (kg, breaker only)		2/3/4P		1.1/1.3/1.6		1.1/1.2/1.5			1.1/1.3/1.6	

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.




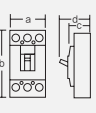
1) Available for 3P breaker 2) Supplied as standard component

3) \*2P breaker has same dimension with 3P breaker, but the middle pole is removed.



# Rating Overview

## | UCB type / 400-800AF |




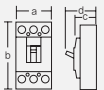
Model		UCB400				UCB630				UCB800							
Figure																	
Ampere frame size		400AF				630AF				800AF							
Number of poles (P)		*2, 3, 4				*2, 3, 4				*2, 3, 4							
Degree of protection (without terminal bus bar)		IP20				IP20				IP20							
Utilization category		A				A				A							
Suitability of isolation		O				O				O							
Protection		overload, inst., short-circuit				overload, inst., short-circuit				overload, inst., short-circuit							
Rating	Rated current [A]		250, 300, 320, 350, 400				500, 630				700, 800						
	Rated insulation voltage [Ui] [V]		AC690				AC690				AC690						
	Rated operational voltage [Ue] [V]		AC660				AC660				AC660						
			DC250				DC250				DC250						
Rated impulse withstand voltage [Uimp] [kV]		6				6				6							
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [Icu] [kA r.m.s.]	Recognition code for order		R	S	H	L	R	S	H	L	R	S	H	L		
		AC600/660V, 50-60Hz		18	22	25	30	22	25	35	35	25	25	35	35		
		AC480/500V, 50-60Hz		18	25	35	65	25	45	50	65	35	45	50	65		
		AC440/460V, 50-60Hz		25	35	50	85	35	50	65	85	35	50	65	85		
		AC380/415V, 50-60Hz		<b>30</b>	<b>42</b>	<b>65</b>	<b>100</b>	<b>45</b>	<b>65</b>	<b>85</b>	<b>100</b>	<b>45</b>	<b>65</b>	<b>85</b>	<b>100</b>		
		AC220/240V, 50-60Hz		35	50	85	125	50	100	100	125	50	100	100	125		
		DC250V		14	25	40	40	20	40	40	40	20	40	40	40		
	DC125V		20	30	50	60	30	50	50	60	30	50	50	60			
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal,		O				O				O					
		Fixed instantaneous		INST		10×In				10×In				10×In			
		Adjustable thermal,		LTD		(0.8-0.9-1)×In				(0.8-0.9-1)×In				(0.8-0.9-1)×In			
		Fixed instantaneous		INST		10×In				10×In				10×In			
Mounting	Direct mounting by screw		O				O				O						
	Plug-in	for Switchboard	Both line & load side		O <sup>1)</sup>				O <sup>1)</sup>				O <sup>1)</sup>				
		Line side only		O <sup>1)</sup>				O <sup>1)</sup>				O <sup>1)</sup>					
Terminal connection		Screw		O				O				O					
		Bus bar		O				O				O					
Accessories	Signal	Auxiliary switch		AUX		O				O							
		Trip alarm switch		ALT		O				O							
		Shunt trip		SHT		O				O							
		Under voltage trip		UVT		O				O							
	Operating	Operating handle	Surface type	TFG		O				O							
			Extended type	TFH		O				O							
		Motor operator		MOT		O				O							
	Extension handle		THA		O <sup>2)</sup>				O <sup>2)</sup>				O <sup>2)</sup>				
	Mounting plug-in mounting base		TDM		O <sup>1)</sup>				O <sup>1)</sup>				O <sup>1)</sup>				
	Terminal	Terminal bus bar		TBB		O				O				O			
Interpole barrier		TQQ		O <sup>2)</sup>				O <sup>2)</sup>				O <sup>2)</sup>					
Durability (times)	Mechanical operation		20,000				20,000				10,000						
	Electrical operation		6,000				6,000				3,000						
Dimensions (mm)		2/3/4P	a	Width	140 <sup>3)</sup> /140/185				210 <sup>3)</sup> /210/280				210 <sup>3)</sup> /210/280				
			b	Height	257				280				280				
			c	Depth	110				110				110				
			d		145				145				145				
Weight (kg, breaker only)		2/3/4P		4/4.5/5.4				8.7/9.5/12.5				8.7/9.5/12.5					

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker 2) Supplied as standard component

3) \*2P breaker has same dimension with 3P breaker, but the middle pole is removed.

## | UCB type / 1000-1600AF |

Model		UCB1000		UCB1250		UCB1600		
Figure								
Ampere frame size		1000AF		1250AF		1600AF		
Number of poles (P)		3, 4		3, 4		3		
Degree of protection (without terminal bus bar)		IP20		IP20		IP20		
Utilization category		A		A		A		
Suitability of isolation		O		O		O		
Protection		overload, inst., short-circuit		overload, inst., short-circuit		overload, inst., short-circuit		
Rating	Rated current (A)		505-1,000		630-1,250		640-1,600	
	Rated insulation voltage [Ui] (V)		AC750		AC750		AC750	
	Rated operational voltage [Ue] (V)		AC690		AC690		AC690	
	Rated impulse withstand voltage [Uimp] (kV)		8		8		8	
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [Icu] (kA r.m.s.)	Recognition code for order		S	L	S	L	S
		AC600/660V, 50-60Hz		40	60	40	60	25
		AC480/500V, 50-60Hz		75	100	75	100	35
		AC440/460V, 50-60Hz		75	100	75	100	45
		AC380/415V, 50-60Hz		100	130	100	130	65
	AC220/240V, 50-60Hz		100	150	100	150	100	
Service [Ics]	% of [Icu]	50		50		50		
Trip mechanism & Protection characteristics	Electronic	Long time delay	LTD	(0.5-1) <sup>1)</sup> × In (15 setting)		(0.5-1) <sup>1)</sup> × In (15 setting)		(0.4-1) <sup>2)</sup> × In (8 setting)
		Short time delay	STD	(2-4-6-8-10) × Ir		(2-4-6-8-10) × Ir		–
		Instantaneous	INST	(3-6-8-10-11) × In		(3-6-8-10-11) × In		(2-3-4-5-6-7-8-10) × In
		Ground fault trip	GFT	(0.2-0.3-0.4) × In		(0.2-0.3-0.4) × In		–
		Pre-trip alarm	PTA	0.9 × In		0.9 × In		–
		I <sup>2</sup> T lamp		O		O		–
		Pick-up		O		O		O
Mounting	Direct mounting by screw		O		O		O	
Terminal connection	Bus bar		O		O		O	
Accessories	Signal	Auxiliary switch	AUX	O		O		O
		Trip alarm switch	ALT	O		O		–
		Shunt trip	SHT	O		O		O
		Under voltage trip	UVT	O		O		O
	Operating	Operating handle	Extended type TFH	–		–		O
		Motor operator	MOT	O		O		O
		Extension handle	THA	O <sup>3)</sup>		O <sup>3)</sup>		O <sup>3)</sup>
	Terminal	Terminal bus bar	TBB	O <sup>4)</sup>		O <sup>4)</sup>		O <sup>4)</sup>
		Terminal cover	TCF	–		–		O <sup>3)</sup>
		Interpole barrier	TQQ	O <sup>3)</sup>		O <sup>3)</sup>		O <sup>3)</sup>
Durability (times)	Mechanical operation		10,000		10,000		10,000	
	Electrical operation		3,000		3,000		3,000	
Dimensions (mm)		3/4P	a	Width	210/280		210	
			b	Height	370		371	
			c	Depth	110/200		151	
			d		159/249		215	
Weight (kg, breaker only)		3/4P	13/17	25/33	13.5/17.5	25.5/33.5	27	

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.





1) [0.5-1]: [0.63-0.8-1]x[0.8-0.85-0.9-0.95-1]    2) [0.4-1]: [0.4-0.5-0.6-0.7-0.8-0.9-0.95-1]

3) Supplied as standard component

4) Supplied as standard component that attached in breaker

# Rating Overview

## | UPB type / 125-250AF |

Model		UPB100				UPB160				UPB250						
Figure																
Ampere frame size		125AF				160AF				250AF						
Number of poles (P)		3, 4				3, 4				3, 4						
Degree of protection (with terminal cover)		IP20				IP20				IP20						
Utilization category		A				A				A						
Suitability of isolation		O				O				O						
Protection		overload, inst., short-circuit				overload, inst., short-circuit				overload, inst., short-circuit						
Rating	Rated current (A)	Thermal Magnetic type	15,16,20,25,30,32,40,50,63,80,100,125				100,125,160				125,150,160,175,200,225,250					
		Electronic type	50-125				63-160				100-250					
	Rated insulation voltage [Ui] (V)		AC750				AC750				AC750					
	Rated operational voltage [Ue] (V)		AC690				AC690				AC690					
		DC500 <sup>1)</sup>				DC500 <sup>1)</sup>				DC500 <sup>1)</sup>						
Rated impulse withstand voltage [Uimp] (kV)		8				8				8						
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [Icu] (kA r.m.s.)	Recognition code for order		S	H	L	X	S	H	L	X	S	H	L	X	
		AC660/690V, 50-60Hz		10	10	20	25	10	10	20	25	10	10	20	25	
		AC480/500V, 50-60Hz		50	65	85	85	50	65	85	85	50	65	85	85	
		AC440/460V, 50-60Hz		65	85	100	150	65	85	100	150	65	85	100	150	
		AC380/415V, 50-60Hz		<b>85</b>	<b>100</b>	<b>130</b>	<b>150</b>	<b>85</b>	<b>100</b>	<b>130</b>	<b>150</b>	<b>85</b>	<b>100</b>	<b>130</b>	<b>150</b>	
		AC220/240V, 50-60Hz		100	130	150	200	100	130	150	200	100	130	150	200	
		DC250V		50 <sup>1)</sup>	65 <sup>1)</sup>	85 <sup>1)</sup>	100 <sup>1)</sup>	50 <sup>1)</sup>	65 <sup>1)</sup>	85 <sup>1)</sup>	100 <sup>1)</sup>	50 <sup>1)</sup>	65 <sup>1)</sup>	85 <sup>1)</sup>	100 <sup>1)</sup>	
	DC125V		65 <sup>1)</sup>	100 <sup>1)</sup>	100 <sup>1)</sup>	100 <sup>1)</sup>	65 <sup>1)</sup>	100 <sup>1)</sup>	100 <sup>1)</sup>	100 <sup>1)</sup>	65 <sup>1)</sup>	100 <sup>1)</sup>	100 <sup>1)</sup>	100 <sup>1)</sup>		
Service [Ics]		% of [Icu]				100				100						
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal, Fixed instantaneous		O <sup>2)</sup>				O <sup>2)</sup>				O <sup>2)</sup>				
		Adjustable thermal, Fixed inst.		O <sup>2)</sup>				O <sup>2)</sup>				O <sup>2)</sup>				
		Adjustable thermal, Adjustable inst.		-				O <sup>2)</sup>				O <sup>2)</sup>				
	Electronic	LTD, STD, INST		O <sup>2)</sup>				O <sup>2)</sup>				O <sup>2)</sup>				
PTA, Pick-up LED		O				O				O						
Mounting	Direct mounting by screw		O				O				O					
	Plug-in	for Switchboard	Both line & load side		O <sup>3)</sup>				O <sup>3)</sup>				O <sup>3)</sup>			
		Line side only		O <sup>3)</sup>				O <sup>3)</sup>				O <sup>3)</sup>				
Terminal connection		Screw		O				O				O				
		Bus bar		O				O				O				
Accessories	Signal	Auxiliary switch AUX		O				O				O				
		Trip alarm switch ALT		O				O				O				
		Shunt trip SHT		O				O				O				
		Under voltage trip UVT		O				O				O				
	Operating	Operating handle	Surface type TFG	O				O				O				
			Extended type TFH	O				O				O				
		Motor operator MOT		O				O				O				
	Mechanical interlock MIF		O				O				O					
	Mounting	Plug-in mounting base TDM		O <sup>3)</sup>				O <sup>3)</sup>				O <sup>3)</sup>				
		Terminal bus bar TBB		-				O				O				
	Terminal	Cage terminal block CTB		O				O				O				
		Terminal cover TCF		O				O				O				
Interpole barrier TQQ		O <sup>4)</sup>				O <sup>4)</sup>				O <sup>4)</sup>						
Durability (times)	Mechanical operation		25,000				25,000				25,000					
	Electrical operation		10,000				10,000				10,000					
Dimensions (mm)		3/4P	a	Width	105/140				105/140				105/140			
			b	Height	165				165				165			
			c	Depth	86.5				86.5				86.5			
			d		112				112				112			
Weight (kg, breaker only)		3/4P		1.8/2.2				2.0/2.4				2.0/2.4				



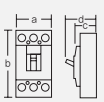
※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) DC is not applicable for electronic breaker.

2) For the detail protection characteristics, please refer to following pages; · UPB100: 84 · UPB160: 90 · UPB250: 94

3) Available for 3P breaker 4) Supplied as standard component

## | UPB type / 400-630AF |

Model		UPB400				UPB630						
Figure												
Ampere frame size		400AF				630AF						
Number of poles (P)		3, 4				3, 4						
Degree of protection (with terminal cover)		IP20				IP20						
Utilization category		A				A						
Suitability of isolation		O				O						
Protection		overload, inst., short-circuit				overload, inst., short-circuit						
Rating	Rated current [A]		200-400				320-630					
	Rated insulation voltage [Ui] [V]		AC750				AC750					
	Rated operational voltage [Ue] [V]		AC690				AC690					
	Rated impulse withstand voltage [Uimp] [kV]		8				8					
Rated short-circuit breaking capacity	Ultimate [Icu] (kAr.m.s.)	Recognition code for order		S	H	L	X	S	H	L	X	
		AC660/690V, 50-60Hz		10	10	20	25	10	10	20	25	
		AC480/500V, 50-60Hz		50	65	85	85	50	65	85	85	
		AC440/460V, 50-60Hz		65	85	100	150	65	85	100	150	
		AC380/415V, 50-60Hz		<b>85</b>	<b>100</b>	<b>130</b>	<b>150</b>	<b>85</b>	<b>100</b>	<b>130</b>	<b>150</b>	
	AC220/240V, 50-60Hz		100	130	150	200	100	130	150	200		
IEC 60947-2 K 60947-2	Service [Ics]	% of [Icu]		100				100				
Trip mechanism & Protection characteristics	Electronic	LTD, STD, INST		O <sup>1)</sup>				O <sup>1)</sup>				
		GFT, I <sup>2</sup> T lamp		O <sup>1)</sup>				O <sup>1)</sup>				
		PTA, Pick-up LED		O				O				
Mounting	Direct mounting by screw		O				O					
	Plug-in	for Switchboard	Both line & load side		O <sup>2)</sup>				O <sup>2)</sup>			
			Line side only		O <sup>2)</sup>				O <sup>2)</sup>			
Terminal connection		Screw		O				O				
		Bus bar		O				O				
Accessories	Signal	Auxiliary switch AUX		O				O				
		Trip alarm switch ALT		O				O				
		Shunt trip SHT		O				O				
		Under voltage trip UVT		O				O				
	Operating	Operating handle	Surface type TFG	O				O				
			Extended type TFH	O				O				
		Motor operator MOT		O				O				
		Mechanical interlock MIF		O				O				
	Extension handle THA		O <sup>3)</sup>				O <sup>3)</sup>					
	Mounting		Plug-in mounting base TDM		O <sup>2)</sup>				O <sup>2)</sup>			
	Terminal	Terminal bus bar TBB		O				O				
		Cage terminal block CTB		O				O				
Terminal cover TCF		O				O						
Interpole barrier TQQ		O <sup>3)</sup>				O <sup>3)</sup>						
Durability (times)	Mechanical operation		20,000				20,000					
	Electrical operation		6,000				6,000					
Dimensions (mm)		3/4P	a	Width	140/185				140/185			
			b	Height	255				255			
			c	Depth	117				117			
			d		159.5				159.5			
Weight (kg, breaker only)		3/4P		6.0/7.8				6.0/7.8				




※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) For the detail protection characteristics, please refer to following pages; · UPB400: 100 · UPB630: 102

2) Available for 3P breaker 3) Supplied as standard component

# Rating Overview



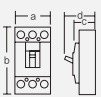
## | Motor protection / UPB type 125-250AF |

Model		UPB100		UPB250			
Figure							
Ampere frame size		125AF		250AF			
Number of poles (P)		3		3			
Degree of protection (with terminal cover)		IP20		IP20			
Utilization category		A		A			
Suitability of isolation		O		O			
Protection		instantaneous, short-circuit		instantaneous, short-circuit			
Rating	Rated current [A]	2.5, 3.2, 6.3, 12.5, 20, 32, 50, 63, 80, 100		125, 150, 175, 200, 225			
	Rated insulation voltage [Ui] [V]	AC750		AC750			
	Rated operational voltage [Ue] [V]	AC690		AC690			
		DC500		DC500			
Rated impulse withstand voltage [Uimp] [kV]	8		8				
Rated short-circuit breaking capacity [Icu] [kA r.m.s.]	Ultimate [kA r.m.s.]	Recognition code for order	H	L	H	L	
		AC660/690V, 50-60Hz	10	20	10	20	
		AC480/500V, 50-60Hz	65	85	65	85	
		AC440/460V, 50-60Hz	85	100	85	100	
		AC380/415V, 50-60Hz	<b>100</b>	<b>130</b>	<b>100</b>	<b>130</b>	
		AC220/240V, 50-60Hz	130	150	130	150	
	IEC 60947-2 K 60947-2	DC250V	65	85	65	85	
		DC125V	100	100	100	100	
Service [Ics] % of [Icu]	100		100				
Trip mechanism & Protection characteristics	Thermal magnetic	Adjustable instantaneous	(6-13) × In		(6-13) × In		
Mounting	Direct mounting by screw		O		O		
	Plug-in for Switchboard	Both line & load side	O		O		
		Line side only	O		O		
Terminal connection	Screw		O		O		
	Bus bar		O		O		
Accessories	Signal	Auxiliary switch AUX	O		O		
		Trip alarm switch ALT	O		O		
		Shunt trip SHT	O		O		
		Under voltage trip UVT	O		O		
	Operating handle	Operating Surface type TFG	O		O		
		Extended type TFH	O		O		
		Motor operator MOT	O		O		
	Mounting	Mechanical interlock MIF		O		O	
		Plug-in mounting base TDM		O		O	
	Terminal	Terminal bus bar TBB		-		O	
Cage terminal block CTB		O		O			
Terminal cover TCF		O		O			
Interpole barrier TQQ		O <sup>1)</sup>		O <sup>1)</sup>			
Durability (times)	Mechanical operation		25,000		25,000		
	Electrical operation		10,000		10,000		
Dimensions (mm)		3P	a Width	105		105	
			b Height	165		165	
			c Depth	86.5		86.5	
			d	112		112	
Weight (kg, breaker only)	3P		1.8		2.0		

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Supplied as standard component

## | Q-class (for nuclear power plant application) / HBL type 100-225AF |

Model		HBL103				HBL203						
Figure												
Ampere frame size		100AF				225AF						
Number of poles (P)		3				3						
Degree of protection (with terminal cover)		IP20				IP20						
Utilization category		A				A						
Suitability of isolation		O				O						
Protection		overload, inst., short-circuit		instantaneous, short-circuit		overload, inst., short-circuit		instantaneous, short-circuit				
Rating	Rated current (A)	15, 20, 30, 40, 50, 60, 75, 100		2.5, 3.2, 6.3, 12.5, 20, 32, 50, 63, 80, 100		125, 150, 175, 200, 225						
	Rated insulation voltage [Ui] (V)	AC750				AC750						
	Rated operational voltage [Ue] (V)	AC690				AC690						
	Rated impulse withstand voltage [Uimp] (kV)	DC500				DC500						
Recognition code for order		U <sup>1)</sup>	UQ <sup>1)</sup>	UM <sup>1)</sup>	UMQ <sup>1)</sup>	U <sup>1)</sup>	UQ <sup>1)</sup>	UM <sup>1)</sup>	UMQ <sup>1)</sup>			
Rated short-circuit breaking capacity	Ultimate [Icu] (kA r.m.s.)	AC660/690V, 50-60Hz	25	25	25	25	25	25	25	25		
		AC480/500V, 50-60Hz	85	85	85	85	85	85	85	85		
		AC440/460V, 50-60Hz	100	100	100	100	100	100	100	100		
		AC380/415V, 50-60Hz	150	150	150	150	150	150	150	150		
		AC220/240V, 50-60Hz	200	200	200	200	200	200	200	200		
	IEC 60947-2 K 60947-2	DC250V	100	100	100	100	100	100	100	100		
	DC125V	100	100	100	100	100	100	100	100			
Service [Ics]	% of [Icu]	100				100						
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal,	O		-		O		-			
		Fixed instantaneous INST	10×In		-		10×In		-			
		Adjustable instantaneous	-		(6-13)×In		-		(6-13)×In			
Q-class	Non-E1	O	-	O	-	O	-	O	-			
	E1	-	O	-	O	-	O	-	O			
Mounting	Direct mounting by screw		O				O					
	Plug-in	for Switchboard	O				O					
		Both line & load side	O				O					
		Line side only				O						
Terminal connection	Screw		O				O					
	Bus bar		-				O					
Accessories	Signal	Auxiliary switch AUX	O <sup>2)</sup>				O <sup>2)</sup>					
		Trip alarm switch ALT	O <sup>2)</sup>				O <sup>2)</sup>					
		Shunt trip SHT	O <sup>2)</sup>				O <sup>2)</sup>					
		Under voltage trip UVT	O <sup>2)</sup>				O <sup>2)</sup>					
	Operating handle	Surface type TFG	O				O					
		Extended type TFH	O				O					
		Motor operator MOT	O				O					
	Mounting	Mechanical interlock MIF		O				O				
		Plug-in mounting base TDM		O				O				
		Terminal	Terminal bus bar TBB		-				O			
			Cage terminal block CTB		O				O			
			Terminal cover TCF		O <sup>3)</sup>				O <sup>3)</sup>			
Interpole barrier TQQ			O <sup>3)</sup>				O <sup>3)</sup>					
Durability (times)	Mechanical operation		25,000				25,000					
	Electrical operation		10,000				10,000					
Dimensions (mm)		3P	a	Width	105				105			
			b	Height	165				165			
			c	Depth	86.5				86.5			
			d		112				112			
Weight (kg, breaker only)	3P		1.8				2.0					



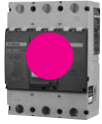
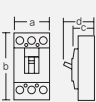
※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) · U: non-E1 class · UQ: E1 class · UM: non-E1 class, motor protection · UQM: E1 class, motor protection

2) Signal accessories shall be installed in breaker before ex-working. 3) Supplied as standard component


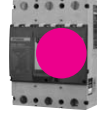
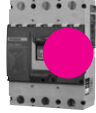




# Rating Overview

## | Switch disconnecter / UAD type 50-100AF |

Model		UAD50C	UAD50S	UAD100R			
Figure							
Ampere frame size		50AF		100AF			
Number of poles (P)		3	3	3			
Degree of protection (with terminal cover)		IP20	IP20	IP20			
Utilization category		A	A	A			
Suitability of isolation		○	○	○			
Rating	Conventional thermal current [Ith] (A)						
	Rated current (A)	50	50	100			
	Rated insulation voltage [Ui] (V)	AC690	AC690	AC690			
	Rated operational voltage [Ue] (V)	AC660	AC660	AC660			
		DC250	DC250	DC250			
	Rated impulse withstand voltage [Uimp] (kV)	6	6	6			
	Rated short-circuit making capacity [Icm] (kA)						
Rated short-time withstand current for 1sec. [Icw] (kA)							
Capability	Switching	at 1.5In (times)					
		max. opening current at ≤ 1sec.					
	Operational performance	with current (times) / load condition					
		without current (times) / no-load condition					
Power-frequency withstand voltage for 1min. (kV)							
Durability	Mechanical operation (times)	25,000	25,000	25,000			
	Electrical operation (times)	15,000	15,000	10,000			
Mounting	Direct mounting by screw		○	○	○		
	Plug-in	for Both line & load side	○	○	○		
		Line side only	○	○	○		
	for Distribution board		○	○	○		
DIN rail	with DIN-rail adaptor	–	○	○			
Terminal connection	Screw	○	○	○			
Accessories	Signal	Auxiliary switch	AUX	○	○	○	
		Trip alarm switch	ALT	○	○	○	
		Shunt trip	SHT	○	○	○	
		Under voltage trip	UVT	○	○	○	
	Operating handle	Surface type	TFG	○	○	○	
			Extended type	TFH	○	○	○
	Motor operator		MOT	○	○	○	
	Mounting	DIN-rail adaptor		DRA	–	○	○
		Plug-in mounting base		TDM	○	○	○
	Terminal	Terminal cover		TCF	○	○	○
Interpole barrier		TQQ	○ <sup>1)</sup>	○ <sup>1)</sup>	○ <sup>1)</sup>		
Dimensions (mm)		3P	a	Width	75	75	75
			b	Height	130	130	130
			c	Depth	60	60	60
			d		82	82	82
Weight (kg, breaker only)	3P						

※ 1) Supplied as standard component

## | Switch disconnecter / UCD type 50-250AF |

Model		UCD50H	UCD100R	UCD100H	UCD160H	UCD250S	UCD250H		
Figure									
Ampere frame size		50AF	100AF	125AF	160AF	250AF			
Number of poles (P)		3	3	3	3	3	3		
Degree of protection (with terminal cover)		IP20	IP20	IP20	IP20	IP20	IP20		
Utilization category		A	A	A	A	A	A		
Suitability of isolation		○	○	○	○	○	○		
Rating	Conventional thermal current [Ith] (A)								
	Rated current (A)		50	100	125	160	250	250	
	Rated insulation voltage [Ui] (V)		AC690	AC690	AC690	AC690	AC690	AC690	
	Rated operational voltage [Ue] (V)		AC660	AC660	AC660	AC660	AC660	AC660	
			DC250	DC250	DC250	DC250	DC250	DC250	
	Rated impulse withstand voltage [Uimp] (kV)		6	6	6	6	6	6	
	Rated short-circuit making capacity [Icm] (kA)								
Rated short-time withstand current for 1sec. [Icw] (kA)									
Capability	Switching	at 1.5xIn (times)							
		max. opening current at ≤ 1sec.							
	Operational performance	with current (times) / load condition							
		without current (times) / no-load condition							
Power-frequency withstand voltage for 1min. (kV)									
Durability	Mechanical operation (times)		25,000	25,000	25,000	25,000	25,000		
	Electrical operation (times)		10,000	10,000	10,000	10,000	10,000		
Mounting	Direct mounting by screw		○	○	○	○	○		
	Plug-in	for Both line & load side	○	○	○	○	○		
		Switchboard Line side only	○	○	○	○	○		
for Distribution board		○	○	○	○	○			
Terminal connection	Screw		○	○	○	○	○		
	Bus bar		—	—	—	○	○		
Accessories	Signal	Auxiliary switch AUX	○	○	○	○	○		
		Trip alarm switch ALT	○	○	○	○	○		
		Shunt trip SHT	○	○	○	○	○		
		Under voltage trip UVT	○	○	○	○	○		
	Operating handle	Operating Surface type TFG	○	○	○	○	○		
		Extended type TFH	○	○	○	○	○		
	Motor operator MOT		○	○	○	○	○		
	Mounting Plug-in mounting base TDM		—	○	○	○	○		
	Terminal	Cage terminal block CTB		○	○	○	○	○	
		Terminal cover TCF		○	○	○	○	○	
Interpole barrier TQQ		○ <sup>1)</sup>	○ <sup>1)</sup>	○ <sup>1)</sup>	○ <sup>1)</sup>	○ <sup>1)</sup>			
Dimensions (mm)		3P	a Width	90	90	90	105	105	105
			b Height	155	155	155	165	164	165
			c Depth	60	60	60	60	60	60
			d	84.5	84.5	84.5	84.5	84	84.5
Weight (kg, breaker only)		3P							

※ 1) Supplied as standard component



# Rating Overview

## | Switch disconnecter / UCD type 400-1250AF |

Model		UCD400S	UCD630S	UCD800S	UCD1000S	UCD1250S			
Figure									
Ampere frame size		400AF	630AF	800AF	1000AF	1250AF			
Number of poles (P)		3	3	3	3	3			
Degree of protection (without terminal bus bar)		IP20	IP20	IP20	IP20	IP20			
Utilization category		A	A	A	A	A			
Suitability of isolation		○	○	○	○	○			
Rating	Conventional thermal current [Ith] (A)								
	Rated current [A]		400	630	800	1,000	1,250		
	Rated insulation voltage [Ui] [V]		AC690	AC690	AC690	AC750	AC750		
	Rated operational voltage [Ue] [V]		AC660	AC660	AC660	AC690	AC690		
			DC250	DC250	DC250				
	Rated impulse withstand voltage [Uimp] [kV]		6	6	6	8	8		
	Rated short-circuit making capacity [Icm] [kA]								
Rated short-time withstand current for 1sec. [Icw] [kA]									
Capability	Switching	at 1.5xIn (times)							
		max. opening current at ≤ 1sec.							
	Operational performance	with current (times) / load condition							
		without current (times) / no-load condition							
Power-frequency withstand voltage for 1min. (kV)									
Durability	Mechanical operation (times)		20,000	20,000	10,000	10,000	10,000		
	Electrical operation (times)		6,000	6,000	3,000	3,000	3,000		
Mounting	Direct mounting by screw		○	○	○	–	–		
	Plug-in	for							
		Switchboard	Both line & load side	○	○	○	–	–	
		Line side only	○	○	–	–			
Terminal connection		Screw		○	○	○	–	–	
		Bus bar		○	○	○	○	○	
Accessories	Signal	Auxiliary switch	AUX	○	○	○	○	○	
		Trip alarm switch	ALT	○	○	○	○	○	
		Shunt trip	SHT	○	○	○	○	○	
		Under voltage trip	UVT	○	○	○	○	○	
	Operating handle	Surface type	TFG	○	○	○	–	–	
			TFH	○	○	○	–	–	
		Motor operator		MOT	○	○	○	○	
		Extension handle		THA	○ <sup>1)</sup>	○ <sup>1)</sup>	○ <sup>1)</sup>	○ <sup>1)</sup>	○ <sup>1)</sup>
	Mounting	Plug-in mounting base		TDM	○	○	○	–	–
		Terminal	Terminal bus bar		TBB	○	○	○	○ <sup>2)</sup>
	Terminal cover		TCF	○	○	○	–	–	
Interpole barrier			TQQ	○ <sup>1)</sup>	○ <sup>1)</sup>	○ <sup>1)</sup>	○ <sup>1)</sup>	○ <sup>1)</sup>	
Dimensions (mm)		3P	a	Width	140	210	210	210	210
			b	Height	257	280	280	370	370
			c	Depth	110	110	110	110	110
			d		145	145	145	159	159
Weight (kg, breaker only)		3P							

※ 1) Supplied as standard component 2) Supplied as standard component that attached in breaker








## | Switch disconnecter / UPD type 125-630AF |

Model		UPD100S	UPD160S	UPD250S	UPD400S	UPD630S			
Figure									
	Ampere frame size	125AF	160AF	250AF	400AF	630AF			
Number of poles (P)		3	3	3	3	3			
Degree of protection (with terminal cover)		IP20	IP20	IP20	IP20	IP20			
Utilization category		A	A	A	A	A			
Suitability of isolation		○	○	○	○	○			
Rating	Conventional thermal current [Ith] (A)								
	Rated current (A)		125	160	250	400	630		
	Rated insulation voltage [Ui] (V)		AC750	AC750	AC750	AC750	AC750		
	Rated operational voltage [Ue] (V)		AC690	AC690	AC690	AC690	AC690		
			DC500	DC500	DC500				
	Rated impulse withstand voltage [Uimp] (kV)		8	8	8	8	8		
	Rated short-circuit making capacity [Icm] (kA)								
Rated short-time withstand current for 1sec. [Icw] (kA)									
Capability	Switching	at 1.5xIn (times)							
		max. opening current at ≤ 1sec.							
	Operational performance	with current (times) / load condition							
		without current (times) / no-load condition							
Power-frequency withstand voltage for 1min. (kV)									
Durability	Mechanical operation (times)		25,000	25,000	25,000	20,000	20,000		
	Electrical operation (times)		10,000	10,000	10,000	6,000	6,000		
Mounting	Direct mounting by screw		○	○	○	○	○		
	Plug-in	for							
		Switchboard	Both line & load side	○	○	○	○	○	
		Line side only	○	○	○	○			
Terminal connection	Screw		○	○	○	○	○		
	Bus bar		○	○	○	○	○		
Accessories	Signal	Auxiliary switch	AUX	○	○	○	○	○	
		Trip alarm switch	ALT	○	○	○	○	○	
		Shunt trip	SHT	○	○	○	○	○	
		Under voltage trip	UVT	○	○	○	○	○	
	Operating handle	Surface type	TFG	○	○	○	○	○	
			TFH	○	○	○	○	○	
		Motor operator	MOT	○	○	○	○	○	
			Mechanical interlock	MIF	○	○	○	○	○
	Extension handle	THA	—	—	—	○ <sup>1)</sup>	○ <sup>1)</sup>		
		Plug-in mounting base	TDM	○	○	○	○	○	
	Terminal	Terminal bus bar		TBB	○	○	○	○	
		Cage terminal block		CTB	○	○	○	○	
		Terminal cover		TCF	○	○	○	○	
		Interpole barrier		TQQ	○ <sup>1)</sup>	○ <sup>1)</sup>	○ <sup>1)</sup>	○ <sup>1)</sup>	
Dimensions (mm)		3P	a	Width	105	105	105	140	140
			b	Height	165	165	165	255	255
			c	Depth	86.5	86.5	86.5	117	117
			d		112	112	112	159.5	159.5
Weight (kg, breaker only)		3P							

※ 1) Supplied as standard component

# Rating Overview








## | Miniature type / Molded case circuit breaker 30-100AF |

Model		UBD30		UMB30		UMB50		UDB30		UDB50		UDB100											
Figure																							
Ampere frame size		30AF		30AF		50AF		30AF		50AF		100AF											
Number of poles (P)		2		2		2		2, 3		2, 3		*2, 3											
Degree of protection		IP20		IP20		IP20		IP20		IP20		IP20											
Utilization category		A		A		A		A		A		A											
Protection		overload, short-circuit		overload, short-circuit		overload, short-circuit		overload, short-circuit		overload, short-circuit		overload, short-circuit											
Rating		Rated current (A)		15, 20, 30		15, 20, 30		15, 20, 30, 40, 50		3 <sup>1)</sup> , 5, 10, 15, 20, 30		5, 10, 15, 20, 30, 40, 50		15, 20, 30, 40, 50, 60, 75, 100									
		Rated insulation voltage [Ui] (V)		AC250		AC250		AC250		AC460		AC460		AC460									
		Rated operational voltage [Ue] (V)		AC220		AC220		AC220		2P: AC220 3P: AC220/460		2P: AC220 3P: AC220/460		2P: AC220 3P: AC220/460									
		Rated impulse withstand voltage [Uimp] (kV)		6		6		6		6		6		6									
Rated short-circuit breaking capacity [Icu] (kA r.m.s.) IEC 60947-2 K 60947-2		Recognition code for order		L	H	S	S	H	S	H	S	H	S	H									
		AC440/460V, 50-60Hz		-		-		-		2.5		5-10A: 2.5 15-30A: 5		2.5		5-10A: 2.5 15-50A: 5							
		AC380/415V, 50-60Hz		-		-		-		2.5		5-10A: 2.5 15-30A: 5		2.5		5-10A: 2.5 15-50A: 5							
		AC220/240V, 50-60Hz		5		2.5		5		10		5		10		5		10					
Service [Ics] % of [Icu]		50		50		50		50		50		50		50									
Trip mechanism		Hydraulic magnetic		-		-		-		-		-		-									
		Thermal magnetic		O		O		O		-		-		-									
Mounting		Direct mounting by screw		O		O		O		O		O		O									
		DIN-rail		-		O		-		O		-		O									
Terminal connection		Screw		O		O		O		O		O		O									
Accessories		Signal		Auxiliary switch AUX		-		-		-		O		O									
				Trip alarm switch ALT		-		-		-		O		O									
				Shunt trip SHT		-		-		-		O		O									
		Terminal		Terminal cover TCF		-		-		-		O		O									
				Interpole barrier TQQ		-		-		-		O		O									
Dimensions (mm)				2/3P		a Width		35		33		35		35		50/75		50/75		75/75			
						b Height		82.5		70		80		80		96		96		96			
						c Depth		42		60		42		60		60		60		60		60	
						d		54.6		76		57		76		76		80		80		80	
Weight (kg, breaker only)		2/3P		0.12		0.14		0.1		0.13		0.15		0.2/0.35		0.2/0.35		75/75					

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) 3A is not applicable for UDB30H. 2) \*2P breaker has same dimension with 3P breaker, but the middle pole is removed.

## | Miniature type / Earth leakage circuit breaker 30-100AF |

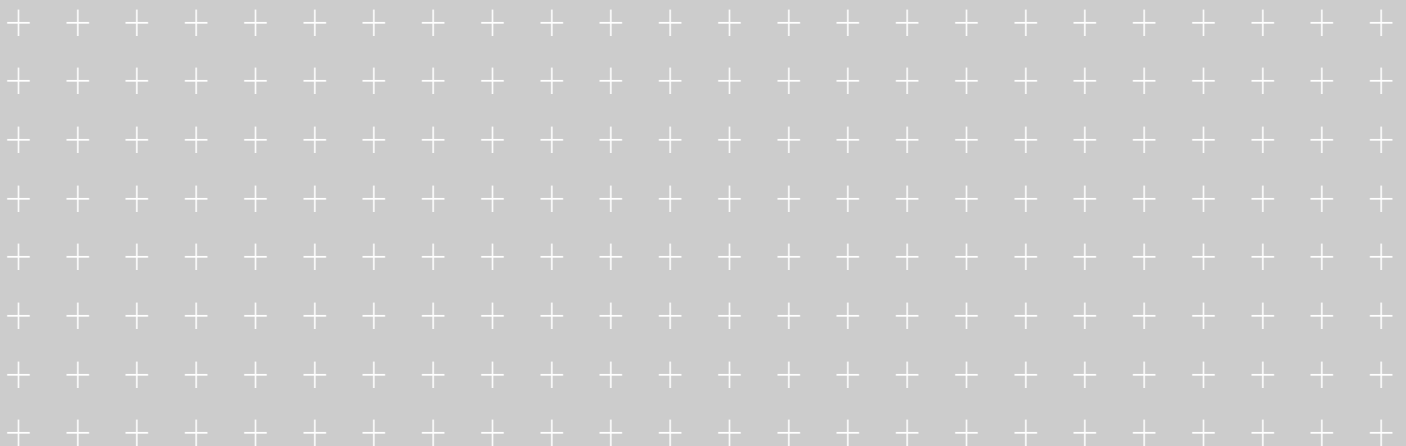
Model		UGD30	UMG30	UMG50	UDG30	UDG50	UDG100				
Figure											
Ampere frame size		30AF	30AF	50AF	30AF	50AF	100AF				
Number of poles (P)		2	2	2	2, 3	2, 3	*2, 3				
Degree of protection		IP20	IP20	IP20	IP20	IP20	IP20				
Utilization category		A	A	A	A	A	A				
Protection		earth leakage, overload, short-circuit	earth leakage, overload, short-circuit	earth leakage, overload, short-circuit	earth leakage, overload, short-circuit	earth leakage, overload, short-circuit	earth leakage, overload, short-circuit				
Rating	Rated current (A)	15, 20, 30	15, 20, 30	15, 20, 30, 40, 50	3 <sup>1)</sup> , 5, 10, 15, 20, 30	5, 10, 15, 20, 30, 40, 50	15, 20, 30, 40, 50, 60, 75, 100				
	Rated residual current [I <sub>Δn</sub> ] (mA)	15, 30	15, 30	15, 30	15, 30	15, 30	30, 100				
	Rated insulation voltage [U <sub>i</sub> ] (V)	AC250	AC250	AC250	AC460	AC460	AC460				
	Rated operational voltage [U <sub>e</sub> ] (V)	AC220	AC220	AC220	2P: AC220 3P: AC220/460	2P: AC220 3P: AC220/460	2P: AC220 3P: AC220/460				
	Rated impulse withstand voltage [U <sub>imp</sub> ] (kV)	6	6	6	6	6	6				
	Rated operating time (sec.)	0.03	0.03	0.03	0.03	0.03	0.03				
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [I <sub>cu</sub> ] (kA r.m.s.)	Recognition code for order	L   H	R   S   H	S   H	S   H	S   H	S   H			
		AC440/460V, 50-60Hz	-	-	-	2.5	5-10A: 2.5 15-30A: 5	2.5	5-10A: 2.5 15-50A: 5	2.5	5
		AC380/415V, 50-60Hz	-	-	-	2.5	5-10A: 2.5 15-30A: 5	2.5	5-10A: 2.5 15-50A: 5	2.5	5
	AC220/240V, 50-60Hz	5	2.5   5   10	5   10	5	5-10A: 5 15-30A: 10	5	5-10A: 5 15-50A: 10	5	10	
Service [I <sub>cs</sub> ] % of [I <sub>cu</sub> ]	50	50	50	50	50	50	50				
Earth leakage protection	Earth leakage detection		by current transformer	by current transformer	by current transformer	by current transformer	by current transformer	by current transformer			
	Earth leakage test button		○	○	○	○	○	○			
	Earth leakage indicator		-	-	-	○	○	○			
Trip mechanism	Hydraulic magnetic		-	-   -   ○	-   ○	○	○	○			
	Thermal magnetic		○	○   ○   -	○   -	-	-	-			
Mounting	Direct mounting by screw		○	○	○	○	○	○			
	DIN-rail		-   ○	-   ○	○	○	○	○			
Terminal connection		Screw		○	○	○	○	○			
Accessories	Signal	Auxiliary switch AUX	-	-	-	○	○	○			
		Trip alarm switch ALT	-	-	-	○	○	○			
	Terminal	Terminal cover TCF	-	-	-	○	○	○			
		Interpole barrier TQQ	-	-	-	○	○	○			
Dimensions (mm)		2/3P	a Width	35	33	35	35	50/75	50/75	75 <sup>2)</sup> /75	
			b Height	82.5	70	80	80	96	96	96	
			c Depth	42	60	42	60	60	60	60	60
			d	54.6	76	57	76	76	80	80	80
Weight (kg, breaker only)		2/3P	0.12	0.14	0.1	0.13	0.15	0.33/0.44	0.33/0.44	0.46/0.63	

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) 3A is not applicable for UDG30H. 2) \*2P breaker has same dimension with 3P breaker, but the middle pole is removed.



## Specifications and Standard Order Codes



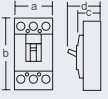




# Specifications and Standard Order Codes

## | UAB type / 30AF |

UAB30C 7.5 / 5kA  
UAB30R 14 / 10kA

		UAB30C	UAB30R	
				
Number of poles (P)		2, 3		
Degree of protection (with terminal cover)		IP20		
Utilization category		A		
Suitability of isolation		O		
Protection		overload, inst., short-circuit		
Rating	Rated current (A)	3, 5, 10, 15, 20, 30	5, 10, 15, 20, 30	
	Rated insulation voltage [Ui] (V)	AC690		
	Rated operational voltage [Ue] (V)	AC660		
	Rated impulse withstand voltage [Uimp] (kV)	DC250		
Rated short-circuit breaking capacity	Ultimate [Icu] (kA r.m.s.)	AC600/660V, 50-60Hz	2.5	5
		AC480/500V, 50-60Hz	2.5	7.5
		AC440/460V, 50-60Hz	5	10
		AC380/415V, 50-60Hz	<b>7.5/5</b>	<b>14/10</b>
		AC220/240V, 50-60Hz	10	25
		DC250V	2.5	5
IEC 60947-2 K 60947-2		DC125V	5	10
	Service [Ics] % of [Icu]	50		
Trip mechanism & Protection characteristics	Hydraulic magnetic	Fixed thermal, Fixed instantaneous	INST	
			12×In	
Mounting	Direct mounting by screw		O	
	Plug-in	for Switchboard	Both line & load side	O <sup>1)</sup>
			Line side only	O <sup>1)</sup>
		for Distribution board		O <sup>1)</sup>
Terminal connection		Screw		
Durability (times)	Mechanical operation		25,000	
	Electrical operation		15,000	
Dimensions (mm)		2/3P	a Width	50/75
			b Height	130
			c Depth	60
			d	82
Weight (kg, breaker only)		2/3P	0.45/0.65	

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker

## | Accessories |

- Signal

Auxiliary switch	1ab, Right-hand-side	2ab, Right-hand-side				
		AUX 10A R1	AUX 10A R2			
Trip alarm switch	1ab, Right-hand-side					
	ALT 10A R1					
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 10A A	SHT 10A C	SHT 10A F	SHT 10A H		
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	*UVT 10A J	*UVT 10A L	*UVT 10A N	*UVT 10A P	*UVT 10A Q	*UVT 10A R

※ 1) The permissible operating voltage: 85-110% of rated voltage for AC , 75-125% for DC

2) The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)

The tripping voltage: 20-70% of rated voltage(AC/DC)

\*Reset is possible without power.

• Operating

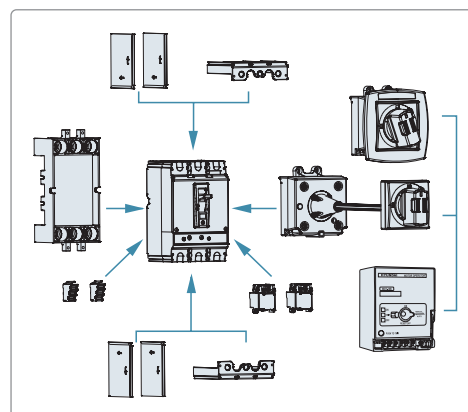
Operating handle <sup>1)</sup>	Power supply direction	Upper	Right	Left
		Surface	S type TFG 10AS U4	TFG 10AS R4
	Extended	L type TFG 10AL U4	–	TFG 10AL L4
		S type TFH 10AS	TFH 10AL	
Motor operator <sup>2)</sup>		DC24V MOT 10A DC24	AC/DC110V MOT 10A ADC110	AC/DC220V MOT 10A ADC220

※ 1) Available for 3P breaker. For detail type information, please refer to page no. 191-199.  
 2) Motor operator is not recommended for marine application.

• Mounting

Plug-in	Structure	For both line & load side	For line side only
	Mounting base	TDM 10AP	TDF 10A
	Connection block	2C contact CBM 10AB 2	–
		3C contact CBM 10AB 3	–
Conn. block barrier	CBM BARR	–	

※ Available for 3P breaker  
 Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.



• Terminal

Cage terminal block	3EA/SET	6EA/SET	
	CTB 3S50	CTB 6S50	
Terminal cover <sup>1)</sup>	2 pole	3 pole	4 pole
	TCF 10AP 2	TCF 10AP 3	TCF 10AP 4
Interpole barrier <sup>2)</sup>	2EA/SET	TQQ 10A	

※ 1) For both line and load side of MCCB, 2EA shall be ordered.  
 2) Supplied as standard component  
 Required quantity for both line and load side of MCCB: 2 pole 2EA, 3 pole 4EA, 4 pole 6EA

## Standard order code and unit

• Fixed thermal & fixed instantaneous

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)		
UAB30C 7.5/5kA	3A	UAB30C 2PT4S0000C 00003		UAB30C 3PT4S0000C 00003		Hydraulic magnetic trip 40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M1
	5A	UAB30C 2PT4S0000C 00005		UAB30C 3PT4S0000C 00005			
	10A	UAB30C 2PT4S0000C 00010		UAB30C 3PT4S0000C 00010			
	15A	UAB30C 2PT4S0000C 00015		UAB30C 3PT4S0000C 00015			
	20A	UAB30C 2PT4S0000C 00020		UAB30C 3PT4S0000C 00020			
UAB30R 14/10kA	30A	UAB30C 2PT4S0000C 00030		UAB30C 3PT4S0000C 00030			
	5A	UAB30R 2PT4S0000C 00005		UAB30R 3PT4S0000C 00005			
	10A	UAB30R 2PT4S0000C 00010		UAB30R 3PT4S0000C 00010			
	15A	UAB30R 2PT4S0000C 00015		UAB30R 3PT4S0000C 00015			
	20A	UAB30R 2PT4S0000C 00020		UAB30R 3PT4S0000C 00020			
30A	UAB30R 2PT4S0000C 00030		UAB30R 3PT4S0000C 00030				

50°C



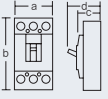
Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)		
UAB30C 7.5/5kA	3A	UAB30C 2PT5S0000C 00003		UAB30C 3PT5S0000C 00003		Hydraulic magnetic trip 50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M1
	5A	UAB30C 2PT5S0000C 00005		UAB30C 3PT5S0000C 00005			
	10A	UAB30C 2PT5S0000C 00010		UAB30C 3PT5S0000C 00010			
	15A	UAB30C 2PT5S0000C 00015		UAB30C 3PT5S0000C 00015			
	20A	UAB30C 2PT5S0000C 00020		UAB30C 3PT5S0000C 00020			
UAB30R 14/10kA	30A	UAB30C 2PT5S0000C 00030		UAB30C 3PT5S0000C 00030			
	5A	UAB30R 2PT5S0000C 00005		UAB30R 3PT5S0000C 00005			
	10A	UAB30R 2PT5S0000C 00010		UAB30R 3PT5S0000C 00010			
	15A	UAB30R 2PT5S0000C 00015		UAB30R 3PT5S0000C 00015			
	20A	UAB30R 2PT5S0000C 00020		UAB30R 3PT5S0000C 00020			
30A	UAB30R 2PT5S0000C 00030		UAB30R 3PT5S0000C 00030				



# Specifications and Standard Order Codes

## | UAB type / 50AF |

UAB50C 7.5 / 5kA  
UAB50R 14 / 10kA

		UAB50C	UAB50R	
				
Number of poles (P)		2, 3, 4		
Degree of protection (with terminal cover)		IP20		
Utilization category		A		
Suitability of isolation		O		
Protection		overload, inst., short-circuit		
Rating	Rated current (A)	5, 10, 15, 20, 30, 40, 50		
	Rated insulation voltage [Ui] (V)	AC690		
	Rated operational voltage [Ue] (V)	AC660		
	Rated impulse withstand voltage [Uimp] (kV)	DC250		
Rated short-circuit breaking capacity	Ultimate [Icu] (kA r.m.s.)	AC600/660V, 50-60Hz	2.5	5
		AC480/500V, 50-60Hz	2.5	7.5
		AC440/460V, 50-60Hz	5	10
		AC380/415V, 50-60Hz	<b>7.5/5</b>	<b>14/10</b>
		AC220/240V, 50-60Hz	10	25
		DC250V	2.5	5
IEC 60947-2 K 60947-2	Service [Ics] % of [Icu]	DC125V	5	10
			50	
Trip mechanism & Protection characteristics	Hydraulic magnetic	Fixed thermal, Fixed instantaneous		O
		INST		12 × In
Mounting	Direct mounting by screw		O	
	Plug-in	for Switchboard	Both line & load side	O <sup>1)</sup>
			Line side only	O <sup>1)</sup>
		for Distribution board		O <sup>1)</sup>
Terminal connection		Screw		
Durability (times)	Mechanical operation		25,000	
	Electrical operation		15,000	
Dimensions (mm)		2/3/4P	a Width	50/75/100
			b Height	130
			c Depth	60
			d	82
Weight (kg, breaker only)		2/3/4P		0.45/0.65/0.85

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker

## | Accessories |

- Signal

Auxiliary switch	1ab, Right-hand-side	2ab, Right-hand-side				
		AUX 10A R1	AUX 10A R2			
Trip alarm switch	1ab, Right-hand-side					
	ALT 10A R1					
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 10A A	SHT 10A C	SHT 10A F	SHT 10A H		
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	*UVT 10A J	*UVT 10A L	*UVT 10A N	*UVT 10A P	*UVT 10A Q	*UVT 10A R

※ 1) The permissible operating voltage: 85-110% of rated voltage for AC, 75-125% for DC

2) The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)

The tripping voltage: 20-70% of rated voltage(AC/DC)

\*Reset is possible without power.

• Operating

Operating handle <sup>1)</sup>	Power supply direction	Upper			Right			Left		
		Surface	S type	TFG 10AS U4		TFG 10AS R4		TFG 10AS L4		TFG 10AL L4
	Extended	L type	TFG 10AL U4		-			TFH 10AS		TFH 10AL
		S type								
Motor operator <sup>2)</sup>		DC24V			AC/DC110V			AC/DC220V		
		MOT 10A DC24			MOT 10A ADC110			MOT 10A ADC220		

※ 1) Available for 3P, 4P breaker. For detail type information, please refer to page no. 191-199.

2) Motor operator is not recommended for marine application.

• Mounting

Plug-in	Structure	For both line & load side	For line side only	
	Mounting base	TDM 10AP	TDF 10A	
	Connection block	2C contact	CBM 10AB 2	-
		3C contact	CBM 10AB 3	-
Conn. block barrier	CBM BARR	-	-	

※ Available for 3P breaker

Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.

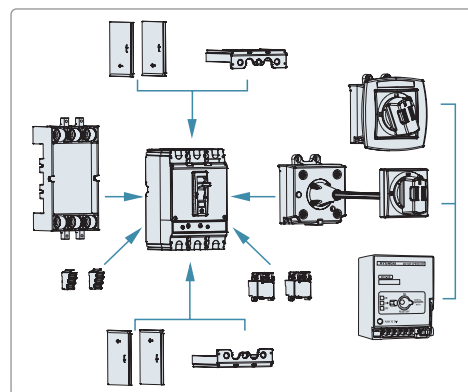
• Terminal

Cage terminal block		3EA/SET	6EA/SET	
		CTB 3S50	CTB 6S50	
Terminal cover <sup>1)</sup>		2 pole	3 pole	4 pole
		TCF 10AP 2	TCF 10AP 3	TCF 10AP 4
	Interpole barrier <sup>2)</sup>	2EA/SET	TQQ 10A	

※ 1) For both line and load side of MCCB, 2EA shall be ordered.

2) Supplied as standard component

Required quantity for both line and load side of MCCB: 2 pole 2EA, 3 pole 4EA, 4 pole 6EA



| Standard order code and unit |

• Fixed thermal & fixed instantaneous

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit [EA]	Code	Unit [EA]	Code	Unit [EA]		
UAB50C 7.5/5kA	5A	UAB50C 2PT4S0000C 00005		UAB50C 3PT4S0000C 00005		UAB50C 4PT4S0000C 00005		Hydraulic magnetic trip 40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M1
	10A	UAB50C 2PT4S0000C 00010		UAB50C 3PT4S0000C 00010		UAB50C 4PT4S0000C 00010			
	15A	UAB50C 2PT4S0000C 00015		UAB50C 3PT4S0000C 00015		UAB50C 4PT4S0000C 00015			
	20A	UAB50C 2PT4S0000C 00020		UAB50C 3PT4S0000C 00020		UAB50C 4PT4S0000C 00020			
	30A	UAB50C 2PT4S0000C 00030		UAB50C 3PT4S0000C 00030		UAB50C 4PT4S0000C 00030			
	40A	UAB50C 2PT4S0000C 00040		UAB50C 3PT4S0000C 00040		UAB50C 4PT4S0000C 00040			
UAB50R 14/10kA	5A	UAB50R 2PT4S0000C 00005		UAB50R 3PT4S0000C 00005		UAB50R 4PT4S0000C 00005			
	10A	UAB50R 2PT4S0000C 00010		UAB50R 3PT4S0000C 00010		UAB50R 4PT4S0000C 00010			
	15A	UAB50R 2PT4S0000C 00015		UAB50R 3PT4S0000C 00015		UAB50R 4PT4S0000C 00015			
	20A	UAB50R 2PT4S0000C 00020		UAB50R 3PT4S0000C 00020		UAB50R 4PT4S0000C 00020			
	30A	UAB50R 2PT4S0000C 00030		UAB50R 3PT4S0000C 00030		UAB50R 4PT4S0000C 00030			
	40A	UAB50R 2PT4S0000C 00040		UAB50R 3PT4S0000C 00040		UAB50R 4PT4S0000C 00040			
	50A	UAB50R 2PT4S0000C 00050		UAB50R 3PT4S0000C 00050		UAB50R 4PT4S0000C 00050			

50°C

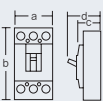
Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit [EA]	Code	Unit [EA]	Code	Unit [EA]		
UAB50C 7.5/5kA	5A	UAB50C 2PT5S0000C 00005		UAB50C 3PT5S0000C 00005		UAB50C 4PT5S0000C 00005		Hydraulic magnetic trip 50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M1
	10A	UAB50C 2PT5S0000C 00010		UAB50C 3PT5S0000C 00010		UAB50C 4PT5S0000C 00010			
	15A	UAB50C 2PT5S0000C 00015		UAB50C 3PT5S0000C 00015		UAB50C 4PT5S0000C 00015			
	20A	UAB50C 2PT5S0000C 00020		UAB50C 3PT5S0000C 00020		UAB50C 4PT5S0000C 00020			
	30A	UAB50C 2PT5S0000C 00030		UAB50C 3PT5S0000C 00030		UAB50C 4PT5S0000C 00030			
	40A	UAB50C 2PT5S0000C 00040		UAB50C 3PT5S0000C 00040		UAB50C 4PT5S0000C 00040			
UAB50R 14/10kA	5A	UAB50R 2PT5S0000C 00005		UAB50R 3PT5S0000C 00005		UAB50R 4PT5S0000C 00005			
	10A	UAB50R 2PT5S0000C 00010		UAB50R 3PT5S0000C 00010		UAB50R 4PT5S0000C 00010			
	15A	UAB50R 2PT5S0000C 00015		UAB50R 3PT5S0000C 00015		UAB50R 4PT5S0000C 00015			
	20A	UAB50R 2PT5S0000C 00020		UAB50R 3PT5S0000C 00020		UAB50R 4PT5S0000C 00020			
	30A	UAB50R 2PT5S0000C 00030		UAB50R 3PT5S0000C 00030		UAB50R 4PT5S0000C 00030			
	40A	UAB50R 2PT5S0000C 00040		UAB50R 3PT5S0000C 00040		UAB50R 4PT5S0000C 00040			
	50A	UAB50R 2PT5S0000C 00050		UAB50R 3PT5S0000C 00050		UAB50R 4PT5S0000C 00050			

# Specifications and Standard Order Codes

## | UAB type / 50AF |

UAB50S 25kA  
UAB50H 30kA



Number of poles (P)		2, 3, 4			
Degree of protection (with terminal cover)		IP20			
Utilization category		A			
Suitability of isolation		O			
Protection		overload, inst., short-circuit			
Rating	Rated current (A)		15, 16, 20, 25, 30, 32, 40, 50		
	Rated insulation voltage [Ui] (V)		AC690		
	Rated operational voltage [Ue] (V)		AC660 DC250		
	Rated impulse withstand voltage [Uimp] (kV)		6		
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [Icu] (kA r.m.s.)	AC600/660V, 50-60Hz	7.5	10	
		AC480/500V, 50-60Hz	7.5	14	
		AC440/460V, 50-60Hz	21	25	
		AC380/415V, 50-60Hz	<b>25</b>	<b>30</b>	
		AC220/240V, 50-60Hz	42	50	
	Service [Ics] % of [Icu]	DC250V	10	14	
		DC125V	15	20	
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal,	O		
		Fixed instantaneous	INST	15-32A: 20×In, 40-100A: 10×In	
		Adjustable thermal,	LTD	(0.8-0.9-1)×In <sup>2)</sup>	
		Fixed instantaneous	INST	15-32A: 20×In, 40-100A: 10×In	
Mounting	Direct mounting by screw		O		
	Plug-in	for Switchboard	Both line & load side	O <sup>1)</sup>	
		for Distribution board	Line side only	O <sup>1)</sup>	
	DIN-rail	with DIN-rail adaptor	O <sup>1)</sup>		
Terminal connection	Screw		O		
Durability (times)	Mechanical operation		25,000		
	Electrical operation		15,000		
Dimensions (mm)		2/3/4P	a	Width	50/75/100
			b	Height	130
			c	Depth	60
			d		82
Weight (kg, breaker only)		2/3/4P	0.6/0.78/0.96		

\* - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker 2) Available for 3P, 4P breaker

## Accessories

### • Signal

Auxiliary switch	1ab, Right-hand-side	1ab, Left-hand-side				
	AUX 10UA R1	AUX 10UA L1				
Trip alarm switch	1ab, Right-hand-side	1ab, Left-hand-side				
	ALT 10UA R1	ALT 10UA L1				
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 10UA A	SHT 10UA C	SHT 10UA F	SHT 10UA H	SHT 10UA B	SHT 10UA D
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	UVT 10UA J	UVT 10UA L	UVT 10UA N	UVT 10UA P	UVT 10UA Q	UVT 10UA R

- ※ 1) The permissible operating voltage: 85-110% of rated voltage for AC , 75-125% for DC
- 2) The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)  
The tripping voltage: 20-70% of rated voltage(AC/DC)

### • Operating

Operating handle <sup>1)</sup>	Power supply direction		Upper	Right	Left
	Surface	S type	TFG 10UAS U4	TFG 10UAS R4	TFG 10UAS L4
		L type	TFG 10UAL U4	—	TFG 10UAL L4
	Extended	S type	TFH 10UAS		
L type		TFH 10UAL			
Motor operator <sup>2)</sup>	DC24V		AC/DC110V	AC/DC220V	
	MOT 10UA DC24		MOT 10UA ADC110	MOT 10UA ADC220	

- ※ 1) Available for 3P, 4P breaker. For detail type information, please refer to page no. 191-199.
- 2) Motor operator is not recommended for marine application.

### • Mounting

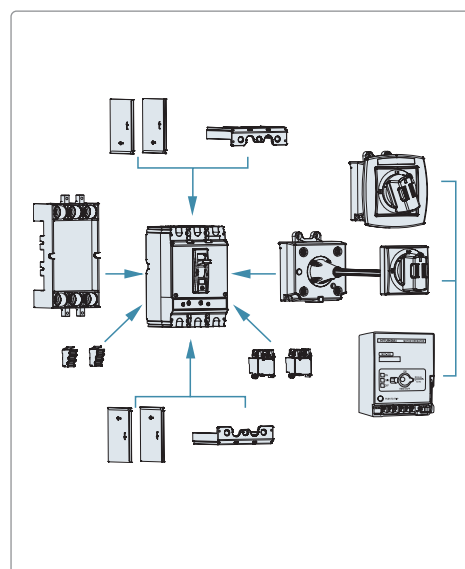
DIN-rail adaptor		DRA _____		
Plug-in <sup>1)</sup>	Structure	For both line & load side	For line side only	
	Mounting base	TDM 10AP	TDF 10A	
	Connection block	2C contact	CBM 10AB 2	—
		3C contact	CBM 10AB 3	—
Conn. block barrier		CBM BARR	—	

- ※ 1) Available for 3P breaker  
Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.

### • Terminal

Cage terminal block	3EA/SET	6EA/SET	
	CTB 3S50	CTB 6S50	
Terminal cover <sup>1)</sup>	2 pole	3 pole	4 pole
	TCF 10AP 2	TCF 10AP 3	TCF 10AP 4
Interpole barrier <sup>2)</sup>	2EA/SET	TQQ 10A	

- ※ 1) For both line and load side of MCCB, 2EA shall be ordered.
- 2) Supplied as standard component  
Required quantity for both line and load side of MCCB: 2 pole 2EA, 3 pole 4EA, 4 pole 6EA



# Specifications and Standard Order Codes

## | Standard order code and unit |

- Fixed thermal & fixed instantaneous

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UAB50S 25kA	15A	UAB50S 2PT4S0000C 00015		UAB50S 3PT4S0000C 00015		UAB50S 4PT4S0000C 00015		Thermal magnetic trip 40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UAB50S 2PT4S0000C 00016		UAB50S 3PT4S0000C 00016		UAB50S 4PT4S0000C 00016			
	20A	UAB50S 2PT4S0000C 00020		UAB50S 3PT4S0000C 00020		UAB50S 4PT4S0000C 00020			
	25A	UAB50S 2PT4S0000C 00025		UAB50S 3PT4S0000C 00025		UAB50S 4PT4S0000C 00025			
	30A	UAB50S 2PT4S0000C 00030		UAB50S 3PT4S0000C 00030		UAB50S 4PT4S0000C 00030			
	32A	UAB50S 2PT4S0000C 00032		UAB50S 3PT4S0000C 00032		UAB50S 4PT4S0000C 00032			
	40A	UAB50S 2PT4S0000C 00040		UAB50S 3PT4S0000C 00040		UAB50S 4PT4S0000C 00040			
	50A	UAB50S 2PT4S0000C 00050		UAB50S 3PT4S0000C 00050		UAB50S 4PT4S0000C 00050			
UAB50H 30kA	15A	UAB50H 2PT4S0000C 00015		UAB50H 3PT4S0000C 00015		UAB50H 4PT4S0000C 00015			
	16A	UAB50H 2PT4S0000C 00016		UAB50H 3PT4S0000C 00016		UAB50H 4PT4S0000C 00016			
	20A	UAB50H 2PT4S0000C 00020		UAB50H 3PT4S0000C 00020		UAB50H 4PT4S0000C 00020			
	25A	UAB50H 2PT4S0000C 00025		UAB50H 3PT4S0000C 00025		UAB50H 4PT4S0000C 00025			
	30A	UAB50H 2PT4S0000C 00030		UAB50H 3PT4S0000C 00030		UAB50H 4PT4S0000C 00030			
	32A	UAB50H 2PT4S0000C 00032		UAB50H 3PT4S0000C 00032		UAB50H 4PT4S0000C 00032			
	40A	UAB50H 2PT4S0000C 00040		UAB50H 3PT4S0000C 00040		UAB50H 4PT4S0000C 00040			
	50A	UAB50H 2PT4S0000C 00050		UAB50H 3PT4S0000C 00050		UAB50H 4PT4S0000C 00050			

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UAB50S 25kA	15A	UAB50S 2PT5S0000C 00015		UAB50S 3PT5S0000C 00015		UAB50S 4PT5S0000C 00015		Thermal magnetic trip 50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UAB50S 2PT5S0000C 00016		UAB50S 3PT5S0000C 00016		UAB50S 4PT5S0000C 00016			
	20A	UAB50S 2PT5S0000C 00020		UAB50S 3PT5S0000C 00020		UAB50S 4PT5S0000C 00020			
	25A	UAB50S 2PT5S0000C 00025		UAB50S 3PT5S0000C 00025		UAB50S 4PT5S0000C 00025			
	30A	UAB50S 2PT5S0000C 00030		UAB50S 3PT5S0000C 00030		UAB50S 4PT5S0000C 00030			
	32A	UAB50S 2PT5S0000C 00032		UAB50S 3PT5S0000C 00032		UAB50S 4PT5S0000C 00032			
	40A	UAB50S 2PT5S0000C 00040		UAB50S 3PT5S0000C 00040		UAB50S 4PT5S0000C 00040			
	50A	UAB50S 2PT5S0000C 00050		UAB50S 3PT5S0000C 00050		UAB50S 4PT5S0000C 00050			
UAB50H 30kA	15A	UAB50H 2PT5S0000C 00015		UAB50H 3PT5S0000C 00015		UAB50H 4PT5S0000C 00015			
	16A	UAB50H 2PT5S0000C 00016		UAB50H 3PT5S0000C 00016		UAB50H 4PT5S0000C 00016			
	20A	UAB50H 2PT5S0000C 00020		UAB50H 3PT5S0000C 00020		UAB50H 4PT5S0000C 00020			
	25A	UAB50H 2PT5S0000C 00025		UAB50H 3PT5S0000C 00025		UAB50H 4PT5S0000C 00025			
	30A	UAB50H 2PT5S0000C 00030		UAB50H 3PT5S0000C 00030		UAB50H 4PT5S0000C 00030			
	32A	UAB50H 2PT5S0000C 00032		UAB50H 3PT5S0000C 00032		UAB50H 4PT5S0000C 00032			
	40A	UAB50H 2PT5S0000C 00040		UAB50H 3PT5S0000C 00040		UAB50H 4PT5S0000C 00040			
	50A	UAB50H 2PT5S0000C 00050		UAB50H 3PT5S0000C 00050		UAB50H 4PT5S0000C 00050			

- Adjustable thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)		
UAB50S 25kA	15A	UAB50S 3PT4S0000C 00015F		UAB50S 4PT4S0000C 00015F		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UAB50S 3PT4S0000C 00016F		UAB50S 4PT4S0000C 00016F			
	20A	UAB50S 3PT4S0000C 00020F		UAB50S 4PT4S0000C 00020F			
	25A	UAB50S 3PT4S0000C 00025F		UAB50S 4PT4S0000C 00025F			
	30A	UAB50S 3PT4S0000C 00030F		UAB50S 4PT4S0000C 00030F			
	32A	UAB50S 3PT4S0000C 00032F		UAB50S 4PT4S0000C 00032F			
	40A	UAB50S 3PT4S0000C 00040F		UAB50S 4PT4S0000C 00040F			
	50A	UAB50S 3PT4S0000C 00050F		UAB50S 4PT4S0000C 00050F			
UAB50H 30kA	15A	UAB50H 3PT4S0000C 00015F		UAB50H 4PT4S0000C 00015F			
	16A	UAB50H 3PT4S0000C 00016F		UAB50H 4PT4S0000C 00016F			
	20A	UAB50H 3PT4S0000C 00020F		UAB50H 4PT4S0000C 00020F			
	25A	UAB50H 3PT4S0000C 00025F		UAB50H 4PT4S0000C 00025F			
	30A	UAB50H 3PT4S0000C 00030F		UAB50H 4PT4S0000C 00030F			
	32A	UAB50H 3PT4S0000C 00032F		UAB50H 4PT4S0000C 00032F			
	40A	UAB50H 3PT4S0000C 00040F		UAB50H 4PT4S0000C 00040F			
	50A	UAB50H 3PT4S0000C 00050F		UAB50H 4PT4S0000C 00050F			

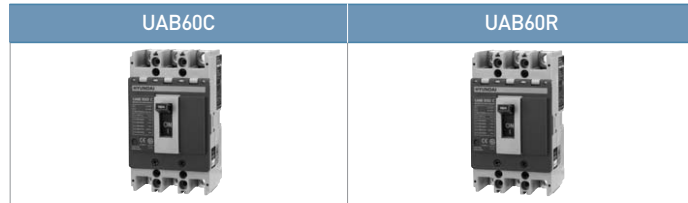
50°C

Model / Breaking capacity at AC380 / 415V	Rated current	3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)		
UAB50S 25kA	15A	UAB50S 3PT5S0000C 00015F		UAB50S 4PT5S0000C 00015F		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UAB50S 3PT5S0000C 00016F		UAB50S 4PT5S0000C 00016F			
	20A	UAB50S 3PT5S0000C 00020F		UAB50S 4PT5S0000C 00020F			
	25A	UAB50S 3PT5S0000C 00025F		UAB50S 4PT5S0000C 00025F			
	30A	UAB50S 3PT5S0000C 00030F		UAB50S 4PT5S0000C 00030F			
	32A	UAB50S 3PT5S0000C 00032F		UAB50S 4PT5S0000C 00032F			
	40A	UAB50S 3PT5S0000C 00040F		UAB50S 4PT5S0000C 00040F			
	50A	UAB50S 3PT5S0000C 00050F		UAB50S 4PT5S0000C 00050F			
UAB50H 30kA	15A	UAB50H 3PT5S0000C 00015F		UAB50H 4PT5S0000C 00015F			
	16A	UAB50H 3PT5S0000C 00016F		UAB50H 4PT5S0000C 00016F			
	20A	UAB50H 3PT5S0000C 00020F		UAB50H 4PT5S0000C 00020F			
	25A	UAB50H 3PT5S0000C 00025F		UAB50H 4PT5S0000C 00025F			
	30A	UAB50H 3PT5S0000C 00030F		UAB50H 4PT5S0000C 00030F			
	32A	UAB50H 3PT5S0000C 00032F		UAB50H 4PT5S0000C 00032F			
	40A	UAB50H 3PT5S0000C 00040F		UAB50H 4PT5S0000C 00040F			
	50A	UAB50H 3PT5S0000C 00050F		UAB50H 4PT5S0000C 00050F			

# Specifications and Standard Order Codes

## | UAB type / 60AF |

UAB60C 7.5 / 5kA  
UAB60R 14 / 10kA



			UAB60C	UAB60R	
Number of poles (P)			2, 3, 4		
Degree of protection (with terminal cover)			IP20		
Utilization category			A		
Suitability of isolation			○		
Protection			overload, inst., short-circuit		
Rating	Rated current [A]		5, 10, 15, 20, 30, 40, 50, 60		
	Rated insulation voltage [Ui] [V]		AC690		
	Rated operational voltage [Ue] [V]		AC660		
	Rated impulse withstand voltage [Uimp] [kV]		DC250		
Rated short-circuit breaking capacity	Ultimate [Icu] (kA r.m.s.)	AC600/660V, 50-60Hz	2.5	5	
		AC480/500V, 50-60Hz	2.5	7.5	
		AC440/460V, 50-60Hz	5	10	
		AC380/415V, 50-60Hz	<b>7.5/5</b>	<b>14/10</b>	
		AC220/240V, 50-60Hz	10	25	
	IEC 60947-2 K 60947-2	DC250V	2.5	14	
	DC125V	5	25		
Service [Ics] % of [Icu]		50			
Trip mechanism & Protection characteristics	Hydraulic magnetic	Fixed thermal, Fixed instantaneous	○		
		INST	12× In		
Mounting	Direct mounting by screw		○		
	Plug-in	for Both line & load side	○		
		Switchboard Line side only	○ <sup>1)</sup>		
		for Distribution board	○ <sup>1)</sup>		
DIN rail	with DIN-rail adaptor	-			
Terminal connection		Screw		○	
Durability (times)	Mechanical operation		25,000		
	Electrical operation		10,000		
Dimensions (mm)		2/3/4P	a Width	50/75/100	
			b Height	130	
			c Depth	60	
			d	82	
Weight (kg, breaker only)		2/3/4P	0.45/0.65/0.85		

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

<sup>1)</sup> Available for 3P breaker

## | Accessories |

### • Signal

Auxiliary switch	1ab, Right-hand-side	2ab, Right-hand-side				
	AUX 10A R1	AUX 10A R2				
Trip alarm switch	1ab, Right-hand-side					
	ALT 10A R1					
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 10A A	SHT 10A C	SHT 10A F	SHT 10A H		
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	*UVT 10A J	*UVT 10A L	*UVT 10A N	*UVT 10A P	*UVT 10A Q	*UVT 10A R

※ <sup>1)</sup> The permissible operating voltage: 85-110% of rated voltage for AC, 75-125% for DC

<sup>2)</sup> The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)

The tripping voltage: 20-70% of rated voltage(AC/DC)

\*Reset is possible without power.

• Operating

Operating handle <sup>1)</sup>	Power supply direction	Upper	Right	Left	
	Surface	S type	TFG 10AS U4	TFG 10AS R4	TFG 10AS L4
		L type	TFG 10AL U4	—	TFG 10AL L4
	Extended	S type	TFH 10AS		
L type		TFH 10AL			
Motor operator <sup>2)</sup>		DC24V MOT 10A DC24	AC/DC110V MOT 10A ADC110	AC/DC220V MOT 10A ADC220	

※ 1) Available for 3P, 4P breaker. For detail type information, please refer to page no. 191-199.  
 2) Motor operator is not recommended for marine application.

• Mounting

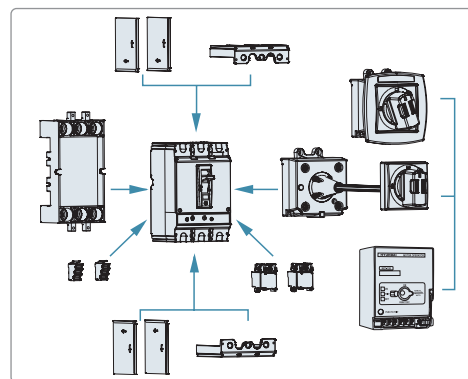
Plug-in	Structure	For both line & load side	For line side only	
	Mounting base	TDM 10AP	TDF 10A	
	Connection block	2C contact	CBM 10AB 2	—
		3C contact	CBM 10AB 3	—
Conn. block barrier	CBM BARR	—	—	

※ Available for 3P, 4P breaker  
 Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.

• Terminal

Cage terminal block	3EA/SET	6EA/SET	
	CTB 3S50	CTB 6S50	
Terminal cover <sup>1)</sup>	2 pole	3 pole	4 pole
	TCF 10AP 2	TCF 10AP 3	TCF 10AP 4
	TQQ 10A		
Interpole barrier <sup>2)</sup>	2EA/SET		

※ 1) For both line and load side of MCCB, 2EA shall be ordered.  
 2) Supplied as standard component  
 Required quantity for both line and load side of MCCB: 2 pole 2EA, 3 pole 4EA, 4 pole 6EA



| Standard order code and unit |

• Fixed thermal & fixed instantaneous

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UAB60C 7.5/5kA	5A	UAB60C 2PT4S0000C 00005		UAB60C 3PT4S0000C 00005		UAB60C 4PT4S0000C 00005		Hydraulic magnetic trip 40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M1
	10A	UAB60C 2PT4S0000C 00010		UAB60C 3PT4S0000C 00010		UAB60C 4PT4S0000C 00010			
	15A	UAB60C 2PT4S0000C 00015		UAB60C 3PT4S0000C 00015		UAB60C 4PT4S0000C 00015			
	20A	UAB60C 2PT4S0000C 00020		UAB60C 3PT4S0000C 00020		UAB60C 4PT4S0000C 00020			
	30A	UAB60C 2PT4S0000C 00030		UAB60C 3PT4S0000C 00030		UAB60C 4PT4S0000C 00030			
	40A	UAB60C 2PT4S0000C 00040		UAB60C 3PT4S0000C 00040		UAB60C 4PT4S0000C 00040			
	50A	UAB60C 2PT4S0000C 00050		UAB60C 3PT4S0000C 00050		UAB60C 4PT4S0000C 00050			
UAB60R 14/10kA	60A	UAB60C 2PT4S0000C 00060		UAB60C 3PT4S0000C 00060		UAB60C 4PT4S0000C 00060			
	5A	UAB60R 2PT4S0000C 00005		UAB60R 3PT4S0000C 00005		UAB60R 4PT4S0000C 00005			
	10A	UAB60R 2PT4S0000C 00010		UAB60R 3PT4S0000C 00010		UAB60R 4PT4S0000C 00010			
	15A	UAB60R 2PT4S0000C 00015		UAB60R 3PT4S0000C 00015		UAB60R 4PT4S0000C 00015			
	20A	UAB60R 2PT4S0000C 00020		UAB60R 3PT4S0000C 00020		UAB60R 4PT4S0000C 00020			
	30A	UAB60R 2PT4S0000C 00030		UAB60R 3PT4S0000C 00030		UAB60R 4PT4S0000C 00030			
	40A	UAB60R 2PT4S0000C 00040		UAB60R 3PT4S0000C 00040		UAB60R 4PT4S0000C 00040			
50A	UAB60R 2PT4S0000C 00050		UAB60R 3PT4S0000C 00050		UAB60R 4PT4S0000C 00050				
60A	UAB60R 2PT4S0000C 00060		UAB60R 3PT4S0000C 00060		UAB60R 4PT4S0000C 00060				

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UAB60C 7.5/5kA	5A	UAB60C 2PT5S0000C 00005		UAB60C 3PT5S0000C 00005		UAB60C 4PT5S0000C 00005		Hydraulic magnetic trip 50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M1
	10A	UAB60C 2PT5S0000C 00010		UAB60C 3PT5S0000C 00010		UAB60C 4PT5S0000C 00010			
	15A	UAB60C 2PT5S0000C 00015		UAB60C 3PT5S0000C 00015		UAB60C 4PT5S0000C 00015			
	20A	UAB60C 2PT5S0000C 00020		UAB60C 3PT5S0000C 00020		UAB60C 4PT5S0000C 00020			
	30A	UAB60C 2PT5S0000C 00030		UAB60C 3PT5S0000C 00030		UAB60C 4PT5S0000C 00030			
	40A	UAB60C 2PT5S0000C 00040		UAB60C 3PT5S0000C 00040		UAB60C 4PT5S0000C 00040			
	50A	UAB60C 2PT5S0000C 00050		UAB60C 3PT5S0000C 00050		UAB60C 4PT5S0000C 00050			
UAB60R 14/10kA	60A	UAB60C 2PT5S0000C 00060		UAB60C 3PT5S0000C 00060		UAB60C 4PT5S0000C 00060			
	5A	UAB60R 2PT5S0000C 00005		UAB60R 3PT5S0000C 00005		UAB60R 4PT5S0000C 00005			
	10A	UAB60R 2PT5S0000C 00010		UAB60R 3PT5S0000C 00010		UAB60R 4PT5S0000C 00010			
	15A	UAB60R 2PT5S0000C 00015		UAB60R 3PT5S0000C 00015		UAB60R 4PT5S0000C 00015			
	20A	UAB60R 2PT5S0000C 00020		UAB60R 3PT5S0000C 00020		UAB60R 4PT5S0000C 00020			
	30A	UAB60R 2PT5S0000C 00030		UAB60R 3PT5S0000C 00030		UAB60R 4PT5S0000C 00030			
	40A	UAB60R 2PT5S0000C 00040		UAB60R 3PT5S0000C 00040		UAB60R 4PT5S0000C 00040			
50A	UAB60R 2PT5S0000C 00050		UAB60R 3PT5S0000C 00050		UAB60R 4PT5S0000C 00050				
60A	UAB60R 2PT5S0000C 00060		UAB60R 3PT5S0000C 00060		UAB60R 4PT5S0000C 00060				



# Specifications and Standard Order Codes

## | UAB type / 100AF |

UAB100C 14 / 10kA

UAB100C



Number of poles (P)		2, 3, 4		
Degree of protection (with terminal cover)		IP20		
Utilization category		A		
Suitability of isolation		O		
Protection		overload, inst., short-circuit		
Rating	Rated current (A)		5, 10, 15, 20, 30, 40, 50, 60, 75, 100	
	Rated insulation voltage [Ui] (V)		AC690	
	Rated operational voltage [Ue] (V)		AC660	
	Rated impulse withstand voltage [Uimp] (kV)		DC250	
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [Icu] (kA r.m.s.)	AC600/660V, 50-60Hz	5	
		AC480/500V, 50-60Hz	7.5	
		AC440/460V, 50-60Hz	10	
		AC380/415V, 50-60Hz	<b>14/10</b>	
		AC220/240V, 50-60Hz	25	
		DC250V	5	
Service [Ics]	DC125V	10		
	% of [Icu]	50		
Trip mechanism & Protection characteristics	Hydraulic magnetic	Fixed thermal, Fixed instantaneous	O	
		INST	12×In	
Mounting	Direct mounting by screw		O	
	Plug-in	for Switchboard	Both line & load side	O
			Line side only	O <sup>1)</sup>
		for Distribution board		O <sup>1)</sup>
Terminal connection		Screw	O	
Durability (times)	Mechanical operation		25,000	
	Electrical operation		10,000	
Dimensions (mm)		2/3/4P	a Width	50/75/100
			b Height	130
			c Depth	60
			d	82
Weight (kg, breaker only)		2/3/4P	0.45/0.65/0.85	

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker

## | Accessories |

### • Signal

Auxiliary switch	1ab, Right-hand-side	2ab, Right-hand-side				
	AUX 10A R1	AUX 10A R2				
Trip alarm switch	1ab, Right-hand-side					
	ALT 10A R1					
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 10A A	SHT 10A C	SHT 10A F	SHT 10A H		
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	*UVT 10A J	*UVT 10A L	*UVT 10A N	*UVT 10A P	*UVT 10A Q	*UVT 10A R

※ 1) The permissible operating voltage: 85-110% of rated voltage for AC, 75-125% for DC

2) The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)

The tripping voltage: 20-70% of rated voltage(AC/DC)

\*Reset is possible without power.

• Operating

Operating handle <sup>1)</sup>	Power supply direction		Upper	Right	Left
	Surface	S type	TFG 10AS U4	TFG 10AS R4	TFG 10AS L4
		L type	TFG 10AL U4	—	TFG 10AL L4
	Extended	S type		TFH 10AS	
L type			TFH 10AL		
Motor operator <sup>2)</sup>		DC24V	AC/DC110V	AC/DC220V	
		MOT 10A DC24	MOT 10A ADC110	MOT 10A ADC220	

※ 1) Available for 3P, 4P breaker. For detail type information, please refer to page no. 191-199.

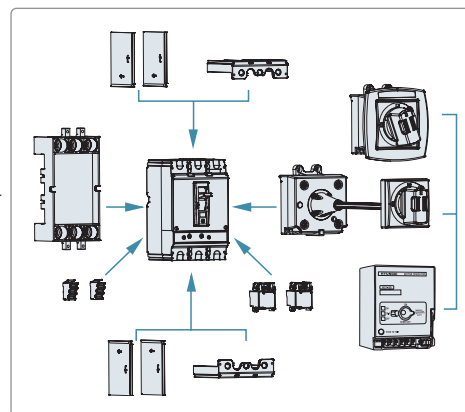
2) Motor operator is not recommended for marine application.

• Mounting

Plug-in	Structure	For both line & load side	For line side only	
	Mounting base	TDM 10AP	TDF 10A	
	Connection block	2C contact	CBM 10AB 2	—
		3C contact	CBM 10AB 3	—
Conn. block barrier	CBM BARR	—	—	

※ Available for 3P, 4P breaker

Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.



• Terminal

Cage terminal block		3EA/SET	6EA/SET	
		CTB 3S50	CTB 6S50	
Terminal cover <sup>1)</sup>		2 pole	3 pole	4 pole
		TCF 10AP 2	TCF 10AP 3	TCF 10AP 4
Interpole barrier <sup>2)</sup>	2EA/SET	TQQ 10A		

※ 1) For both line and load side of MCCB, 2EA shall be ordered.

2) Supplied as standard component

Required quantity for both line and load side of MCCB: 2 pole 2EA, 3 pole 4EA, 4 pole 6EA

## Standard order code and unit

• Fixed thermal & fixed instantaneous

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UAB100C 14/10kA	5A	UAB100C 2PT4S0000C 00005		UAB100C 3PT4S0000C 00005		UAB100C 4PT4S0000C 00005		Hydraulic magnetic trip 40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M1
	10A	UAB100C 2PT4S0000C 00010		UAB100C 3PT4S0000C 00010		UAB100C 4PT4S0000C 00010			
	15A	UAB100C 2PT4S0000C 00015		UAB100C 3PT4S0000C 00015		UAB100C 4PT4S0000C 00015			
	20A	UAB100C 2PT4S0000C 00020		UAB100C 3PT4S0000C 00020		UAB100C 4PT4S0000C 00020			
	30A	UAB100C 2PT4S0000C 00030		UAB100C 3PT4S0000C 00030		UAB100C 4PT4S0000C 00030			
	40A	UAB100C 2PT4S0000C 00040		UAB100C 3PT4S0000C 00040		UAB100C 4PT4S0000C 00040			
	50A	UAB100C 2PT4S0000C 00050		UAB100C 3PT4S0000C 00050		UAB100C 4PT4S0000C 00050			
	60A	UAB100C 2PT4S0000C 00060		UAB100C 3PT4S0000C 00060		UAB100C 4PT4S0000C 00060			
	100A	UAB100C 2PT4S0000C 00100		UAB100C 3PT4S0000C 00100		UAB100C 4PT4S0000C 00100			

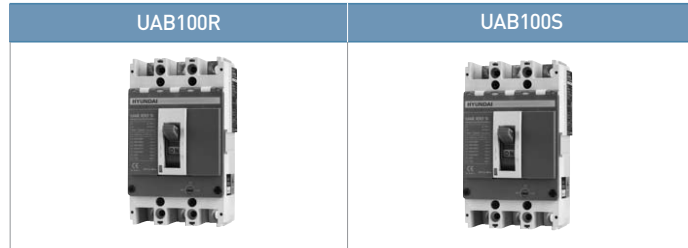
50°C

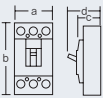
Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UAB100C 14/10kA	5A	UAB100C 2PT5S0000C 00005		UAB100C 3PT5S0000C 00005		UAB100C 4PT5S0000C 00005		Hydraulic magnetic trip 50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M1
	10A	UAB100C 2PT5S0000C 00010		UAB100C 3PT5S0000C 00010		UAB100C 4PT5S0000C 00010			
	15A	UAB100C 2PT5S0000C 00015		UAB100C 3PT5S0000C 00015		UAB100C 4PT5S0000C 00015			
	20A	UAB100C 2PT5S0000C 00020		UAB100C 3PT5S0000C 00020		UAB100C 4PT5S0000C 00020			
	30A	UAB100C 2PT5S0000C 00030		UAB100C 3PT5S0000C 00030		UAB100C 4PT5S0000C 00030			
	40A	UAB100C 2PT5S0000C 00040		UAB100C 3PT5S0000C 00040		UAB100C 4PT5S0000C 00040			
	50A	UAB100C 2PT5S0000C 00050		UAB100C 3PT5S0000C 00050		UAB100C 4PT5S0000C 00050			
	60A	UAB100C 2PT5S0000C 00060		UAB100C 3PT5S0000C 00060		UAB100C 4PT5S0000C 00060			
	100A	UAB100C 2PT5S0000C 00100		UAB100C 3PT5S0000C 00100		UAB100C 4PT5S0000C 00100			

# Specifications and Standard Order Codes

## | UAB type / 100AF |

UAB100R 25kA  
UAB100S 30kA



Number of poles (P)		2, 3, 4		
Degree of protection (with terminal cover)		IP20		
Utilization category		A		
Suitability of isolation		O		
Protection		overload, inst., short-circuit		
Rating	Rated current [A]		15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100	
	Rated insulation voltage [Ui] [V]		AC690	
	Rated operational voltage [Ue] [V]		AC660	
	Rated impulse withstand voltage [Uimp] [kV]		DC250	
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [Icu] [kA r.m.s.]	AC600/660V, 50-60Hz	7.5	10
		AC480/500V, 50-60Hz	7.5	14
		AC440/460V, 50-60Hz	21	25
		AC380/415V, 50-60Hz	<b>25</b>	<b>30</b>
		AC220/240V, 50-60Hz	42	50
	Service [Ics] % of [Icu]	DC250V	10	14
		DC125V	15	20
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal, Fixed instantaneous	INST	O
		Adjustable thermal, Fixed instantaneous	LTD	15-32A: 20×In, 40-100A: 10×In
			INST	(0.8-0.9-1)×In <sup>2</sup>
Mounting	Direct mounting by screw		O	
	Plug-in	for Switchboard	Both line & load side	O
		for Distribution board		O <sup>1)</sup>
	DIN-rail	with DIN-rail adaptor		O
Terminal connection	Screw		O	
Durability (times)	Mechanical operation		25,000	
	Electrical operation		10,000	
Dimensions (mm)		a	Width	50/75/100
		b	Height	130
		c	Depth	60
		d		82
Weight (kg, breaker only)	2/3/4P		0.6/0.78/0.96	

\* - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker 2) Available for 3P, 4P breaker

## Accessories

### • Signal

Auxiliary switch	1ab, Right-hand-side	1ab, Left-hand-side				
	AUX 10UA R1	AUX 10UA L1				
Trip alarm switch	1ab, Right-hand-side	1ab, Left-hand-side				
	ALT 10UA R1	ALT 10UA L1				
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 10UA A	SHT 10UA C	SHT 10UA F	SHT 10UA H	SHT 10UA B	SHT 10UA D
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	UVT 10UA J	UVT 10UA L	UVT 10UA N	UVT 10UA P	UVT 10UA Q	UVT 10UA R

- ※ 1) The permissible operating voltage: 85-110% of rated voltage for AC , 75-125% for DC
- 2) The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)  
The tripping voltage: 20-70% of rated voltage(AC/DC)

### • Operating

Operating handle <sup>1)</sup>	Power supply direction		Upper	Right	Left
		Surface	S type	TFG 10UAS U4	TFG 10UAS R4
	Extended	L type	TFG 10UAL U4	—	TFG 10UAL L4
		S type	TFH 10UAS		
	L type	TFH 10UAL			
Motor operator <sup>2)</sup>		DC24V	AC/DC110V	AC/DC220V	
		MOT 10UA DC24	MOT 10UA ADC110	MOT 10UA ADC220	

- ※ 1) Available for 3P, 4P breaker. For detail type information, please refer to page no. 191-199.
- 2) Motor operator is not recommended for marine application.

### • Mounting

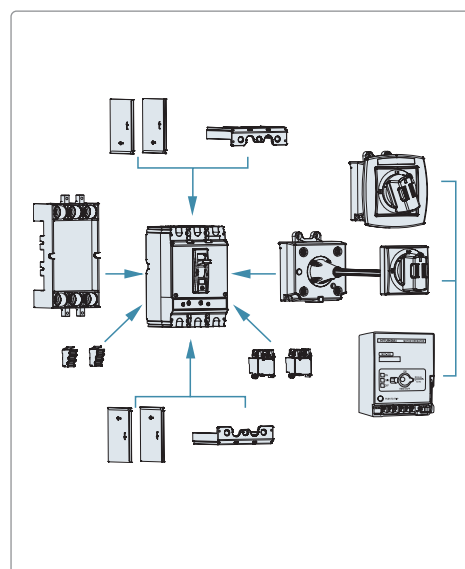
DIN-rail adaptor		DRA _____		
Plug-in <sup>1)</sup>	Structure	For both line & load side	For line side only	
	Mounting base	TDM 10AP	TDF 10A	
	Connection block	2C contact	CBM 10AB 2	—
		3C contact	CBM 10AB 3	—
	Conn. block barrier	CBM BARR	—	

- ※ 1) Available for 3P breaker  
Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.

### • Terminal

Cage terminal block	3EA/SET	6EA/SET	
	CTB 3S50	CTB 6S50	
Terminal cover <sup>1)</sup>	2 pole	3 pole	4 pole
	TCF 10AP 2	TCF 10AP 3	TCF 10AP 4
Interpole barrier <sup>2)</sup>	2EA/SET	TQQ 10A	

- ※ 1) For both line and load side of MCCB, 2EA shall be ordered.
- 2) Supplied as standard component  
Required quantity for both line and load side of MCCB: 2 pole 2EA, 3 pole 4EA, 4 pole 6EA



# Specifications and Standard Order Codes

## Standard order code and unit

- Fixed thermal & fixed instantaneous

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UAB100R 25kA	15A	UAB100R 2PT4S0000C 00015		UAB100R 3PT4S0000C 00015		UAB100R 4PT4S0000C 00015		Thermal magnetic trip 40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UAB100R 2PT4S0000C 00016		UAB100R 3PT4S0000C 00016		UAB100R 4PT4S0000C 00016			
	20A	UAB100R 2PT4S0000C 00020		UAB100R 3PT4S0000C 00020		UAB100R 4PT4S0000C 00020			
	25A	UAB100R 2PT4S0000C 00025		UAB100R 3PT4S0000C 00025		UAB100R 4PT4S0000C 00025			
	30A	UAB100R 2PT4S0000C 00030		UAB100R 3PT4S0000C 00030		UAB100R 4PT4S0000C 00030			
	32A	UAB100R 2PT4S0000C 00032		UAB100R 3PT4S0000C 00032		UAB100R 4PT4S0000C 00032			
	40A	UAB100R 2PT4S0000C 00040		UAB100R 3PT4S0000C 00040		UAB100R 4PT4S0000C 00040			
	50A	UAB100R 2PT4S0000C 00050		UAB100R 3PT4S0000C 00050		UAB100R 4PT4S0000C 00050			
	60A	UAB100R 2PT4S0000C 00060		UAB100R 3PT4S0000C 00060		UAB100R 4PT4S0000C 00060			
	63A	UAB100R 2PT4S0000C 00063		UAB100R 3PT4S0000C 00063		UAB100R 4PT4S0000C 00063			
	75A	UAB100R 2PT4S0000C 00075		UAB100R 3PT4S0000C 00075		UAB100R 4PT4S0000C 00075			
80A	UAB100R 2PT4S0000C 00080		UAB100R 3PT4S0000C 00080		UAB100R 4PT4S0000C 00080				
100A	UAB100R 2PT4S0000C 00100		UAB100R 3PT4S0000C 00100		UAB100R 4PT4S0000C 00100				
UAB100S 30kA	15A	UAB100S 2PT4S0000C 00015		UAB100S 3PT4S0000C 00015		UAB100S 4PT4S0000C 00015			
	16A	UAB100S 2PT4S0000C 00016		UAB100S 3PT4S0000C 00016		UAB100S 4PT4S0000C 00016			
	20A	UAB100S 2PT4S0000C 00020		UAB100S 3PT4S0000C 00020		UAB100S 4PT4S0000C 00020			
	25A	UAB100S 2PT4S0000C 00025		UAB100S 3PT4S0000C 00025		UAB100S 4PT4S0000C 00025			
	30A	UAB100S 2PT4S0000C 00030		UAB100S 3PT4S0000C 00030		UAB100S 4PT4S0000C 00030			
	32A	UAB100S 2PT4S0000C 00032		UAB100S 3PT4S0000C 00032		UAB100S 4PT4S0000C 00032			
	40A	UAB100S 2PT4S0000C 00040		UAB100S 3PT4S0000C 00040		UAB100S 4PT4S0000C 00040			
	50A	UAB100S 2PT4S0000C 00050		UAB100S 3PT4S0000C 00050		UAB100S 4PT4S0000C 00050			
	60A	UAB100S 2PT4S0000C 00060		UAB100S 3PT4S0000C 00060		UAB100S 4PT4S0000C 00060			
	63A	UAB100S 2PT4S0000C 00063		UAB100S 3PT4S0000C 00063		UAB100S 4PT4S0000C 00063			
	75A	UAB100S 2PT4S0000C 00075		UAB100S 3PT4S0000C 00075		UAB100S 4PT4S0000C 00075			
80A	UAB100S 2PT4S0000C 00080		UAB100S 3PT4S0000C 00080		UAB100S 4PT4S0000C 00080				
100A	UAB100S 2PT4S0000C 00100		UAB100S 3PT4S0000C 00100		UAB100S 4PT4S0000C 00100				

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UAB100R 25kA	15A	UAB100R 2PT5S0000C 00015		UAB100R 3PT5S0000C 00015		UAB100R 4PT5S0000C 00015		Thermal magnetic trip 50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UAB100R 2PT5S0000C 00016		UAB100R 3PT5S0000C 00016		UAB100R 4PT5S0000C 00016			
	20A	UAB100R 2PT5S0000C 00020		UAB100R 3PT5S0000C 00020		UAB100R 4PT5S0000C 00020			
	25A	UAB100R 2PT5S0000C 00025		UAB100R 3PT5S0000C 00025		UAB100R 4PT5S0000C 00025			
	30A	UAB100R 2PT5S0000C 00030		UAB100R 3PT5S0000C 00030		UAB100R 4PT5S0000C 00030			
	32A	UAB100R 2PT5S0000C 00032		UAB100R 3PT5S0000C 00032		UAB100R 4PT5S0000C 00032			
	40A	UAB100R 2PT5S0000C 00040		UAB100R 3PT5S0000C 00040		UAB100R 4PT5S0000C 00040			
	50A	UAB100R 2PT5S0000C 00050		UAB100R 3PT5S0000C 00050		UAB100R 4PT5S0000C 00050			
	60A	UAB100R 2PT5S0000C 00060		UAB100R 3PT5S0000C 00060		UAB100R 4PT5S0000C 00060			
	63A	UAB100R 2PT5S0000C 00063		UAB100R 3PT5S0000C 00063		UAB100R 4PT5S0000C 00063			
	75A	UAB100R 2PT5S0000C 00075		UAB100R 3PT5S0000C 00075		UAB100R 4PT5S0000C 00075			
80A	UAB100R 2PT5S0000C 00080		UAB100R 3PT5S0000C 00080		UAB100R 4PT5S0000C 00080				
100A	UAB100R 2PT5S0000C 00100		UAB100R 3PT5S0000C 00100		UAB100R 4PT5S0000C 00100				
UAB100S 30kA	15A	UAB100S 2PT5S0000C 00015		UAB100S 3PT5S0000C 00015		UAB100S 4PT5S0000C 00015			
	16A	UAB100S 2PT5S0000C 00016		UAB100S 3PT5S0000C 00016		UAB100S 4PT5S0000C 00016			
	20A	UAB100S 2PT5S0000C 00020		UAB100S 3PT5S0000C 00020		UAB100S 4PT5S0000C 00020			
	25A	UAB100S 2PT5S0000C 00025		UAB100S 3PT5S0000C 00025		UAB100S 4PT5S0000C 00025			
	30A	UAB100S 2PT5S0000C 00030		UAB100S 3PT5S0000C 00030		UAB100S 4PT5S0000C 00030			
	32A	UAB100S 2PT5S0000C 00032		UAB100S 3PT5S0000C 00032		UAB100S 4PT5S0000C 00032			
	40A	UAB100S 2PT5S0000C 00040		UAB100S 3PT5S0000C 00040		UAB100S 4PT5S0000C 00040			
	50A	UAB100S 2PT5S0000C 00050		UAB100S 3PT5S0000C 00050		UAB100S 4PT5S0000C 00050			
	60A	UAB100S 2PT5S0000C 00060		UAB100S 3PT5S0000C 00060		UAB100S 4PT5S0000C 00060			
	63A	UAB100S 2PT5S0000C 00063		UAB100S 3PT5S0000C 00063		UAB100S 4PT5S0000C 00063			
	75A	UAB100S 2PT5S0000C 00075		UAB100S 3PT5S0000C 00075		UAB100S 4PT5S0000C 00075			
80A	UAB100S 2PT5S0000C 00080		UAB100S 3PT5S0000C 00080		UAB100S 4PT5S0000C 00080				
100A	UAB100S 2PT5S0000C 00100		UAB100S 3PT5S0000C 00100		UAB100S 4PT5S0000C 00100				

- Adjustable thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)		
UAB100R 25kA	15A	UAB100R 3PT4S0000C 00015F		UAB100R 4PT4S0000C 00015F		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UAB100R 3PT4S0000C 00016F		UAB100R 4PT4S0000C 00016F			
	20A	UAB100R 3PT4S0000C 00020F		UAB100R 4PT4S0000C 00020F			
	25A	UAB100R 3PT4S0000C 00025F		UAB100R 4PT4S0000C 00025F			
	30A	UAB100R 3PT4S0000C 00030F		UAB100R 4PT4S0000C 00030F			
	32A	UAB100R 3PT4S0000C 00032F		UAB100R 4PT4S0000C 00032F			
	40A	UAB100R 3PT4S0000C 00040F		UAB100R 4PT4S0000C 00040F			
	50A	UAB100R 3PT4S0000C 00050F		UAB100R 4PT4S0000C 00050F			
	60A	UAB100R 3PT4S0000C 00060F		UAB100R 4PT4S0000C 00060F			
	63A	UAB100R 3PT4S0000C 00063F		UAB100R 4PT4S0000C 00063F			
	75A	UAB100R 3PT4S0000C 00075F		UAB100R 4PT4S0000C 00075F			
80A	UAB100R 3PT4S0000C 00080F		UAB100R 4PT4S0000C 00080F				
100A	UAB100R 3PT4S0000C 00100F		UAB100R 4PT4S0000C 00100F				
UAB100S 30kA	15A	UAB100S 3PT4S0000C 00015F		UAB100S 4PT4S0000C 00015F			
	16A	UAB100S 3PT4S0000C 00016F		UAB100S 4PT4S0000C 00016F			
	20A	UAB100S 3PT4S0000C 00020F		UAB100S 4PT4S0000C 00020F			
	25A	UAB100S 3PT4S0000C 00025F		UAB100S 4PT4S0000C 00025F			
	30A	UAB100S 3PT4S0000C 00030F		UAB100S 4PT4S0000C 00030F			
	32A	UAB100S 3PT4S0000C 00032F		UAB100S 4PT4S0000C 00032F			
	40A	UAB100S 3PT4S0000C 00040F		UAB100S 4PT4S0000C 00040F			
	50A	UAB100S 3PT4S0000C 00050F		UAB100S 4PT4S0000C 00050F			
	60A	UAB100S 3PT4S0000C 00060F		UAB100S 4PT4S0000C 00060F			
	63A	UAB100S 3PT4S0000C 00063F		UAB100S 4PT4S0000C 00063F			
	75A	UAB100S 3PT4S0000C 00075F		UAB100S 4PT4S0000C 00075F			
80A	UAB100S 3PT4S0000C 00080F		UAB100S 4PT4S0000C 00080F				
100A	UAB100S 3PT4S0000C 00100F		UAB100S 4PT4S0000C 00100F				

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)		
UAB100R 25kA	15A	UAB100R 3PT5S0000C 00015F		UAB100R 4PT5S0000C 00015F		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UAB100R 3PT5S0000C 00016F		UAB100R 4PT5S0000C 00016F			
	20A	UAB100R 3PT5S0000C 00020F		UAB100R 4PT5S0000C 00020F			
	25A	UAB100R 3PT5S0000C 00025F		UAB100R 4PT5S0000C 00025F			
	30A	UAB100R 3PT5S0000C 00030F		UAB100R 4PT5S0000C 00030F			
	32A	UAB100R 3PT5S0000C 00032F		UAB100R 4PT5S0000C 00032F			
	40A	UAB100R 3PT5S0000C 00040F		UAB100R 4PT5S0000C 00040F			
	50A	UAB100R 3PT5S0000C 00050F		UAB100R 4PT5S0000C 00050F			
	60A	UAB100R 3PT5S0000C 00060F		UAB100R 4PT5S0000C 00060F			
	63A	UAB100R 3PT5S0000C 00063F		UAB100R 4PT5S0000C 00063F			
	75A	UAB100R 3PT5S0000C 00075F		UAB100R 4PT5S0000C 00075F			
80A	UAB100R 3PT5S0000C 00080F		UAB100R 4PT5S0000C 00080F				
100A	UAB100R 3PT5S0000C 00100F		UAB100R 4PT5S0000C 00100F				
UAB100S 30kA	15A	UAB100S 3PT5S0000C 00015F		UAB100S 4PT5S0000C 00015F			
	16A	UAB100S 3PT5S0000C 00016F		UAB100S 4PT5S0000C 00016F			
	20A	UAB100S 3PT5S0000C 00020F		UAB100S 4PT5S0000C 00020F			
	25A	UAB100S 3PT5S0000C 00025F		UAB100S 4PT5S0000C 00025F			
	30A	UAB100S 3PT5S0000C 00030F		UAB100S 4PT5S0000C 00030F			
	32A	UAB100S 3PT5S0000C 00032F		UAB100S 4PT5S0000C 00032F			
	40A	UAB100S 3PT5S0000C 00040F		UAB100S 4PT5S0000C 00040F			
	50A	UAB100S 3PT5S0000C 00050F		UAB100S 4PT5S0000C 00050F			
	60A	UAB100S 3PT5S0000C 00060F		UAB100S 4PT5S0000C 00060F			
	63A	UAB100S 3PT5S0000C 00063F		UAB100S 4PT5S0000C 00063F			
	75A	UAB100S 3PT5S0000C 00075F		UAB100S 4PT5S0000C 00075F			
80A	UAB100S 3PT5S0000C 00080F		UAB100S 4PT5S0000C 00080F				
100A	UAB100S 3PT5S0000C 00100F		UAB100S 4PT5S0000C 00100F				

# Specifications and Standard Order Codes

## | UCB type / 50AF |

UCB50R 30 / 25kA

UCB50R



Number of poles (P)		2, 3, 4		
Degree of protection (with terminal cover)		IP20		
Utilization category		A		
Suitability of isolation		O		
Protection		overload, inst., short-circuit		
Rating	Rated current (A)		15, 20, 30, 40, 50	
	Rated insulation voltage [Ui] (V)		AC690	
	Rated operational voltage [Ue] (V)		AC660	
	Rated impulse withstand voltage [Uimp] (kV)		DC250	
Rated short-circuit breaking capacity	Ultimate [Icu] (kA r.m.s.)	AC600/660V, 50-60Hz	10	
		AC480/500V, 50-60Hz	14	
		AC440/460V, 50-60Hz	25	
		AC380/415V, 50-60Hz	<b>30/25</b>	
		AC220/240V, 50-60Hz	50	
		DC250V	14	
IEC 60947-2 K 60947-2	Service [Ics]	DC125V	20	
		% of [Icu]	50	
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal, Fixed instantaneous	INST	
				10×In
Mounting	Direct mounting by screw		O	
	Plug-in	for Switchboard	Both line & load side	O <sup>1)</sup>
			Line side only	O <sup>1)</sup>
		for Distribution board		O <sup>1)</sup>
Terminal connection		Screw	O	
Durability (times)	Mechanical operation		25,000	
	Electrical operation		10,000	
Dimensions (mm)		2/3/4P	a Width	60/90/120
			b Height	155
			c Depth	60
			d	84.5
Weight (kg, breaker only)		2/3/4P	0.7/1.0/1.2	

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker

## | Accessories |

- Signal

Auxiliary switch	1ab, Left-hand-side					
	AUX 10B L1					
Trip alarm switch	1ab, Left-hand-side					
	ALT 10B L1					
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 10B A	SHT 10B C	SHT 10B F	SHT 10B H		
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	UVT 10B J	UVT 10B L	UVT 10B N	UVT 10B P	UVT 10B Q	UVT 10B R

※ 1) The permissible operating voltage: 85-110% of rated voltage for AC, 75-125% for DC

2) The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)  
The tripping voltage: 20-70% of rated voltage(AC/DC)

• Operating

Operating handle <sup>1)</sup>	Power supply direction		Upper	Right	Left
	Surface	S type	TFG 10BS U4	TFG 10BS R4	TFG 10BS L4
		L type	TFG 10BL U4	—	TFG 10BL L4
	Extended	S type	TFH 10BS		
L type		TFH 10BL			
Motor operator <sup>2)</sup>		DC24V	AC/DC110V	AC/DC220V	
		MOT 10B DC24	MOT 10B ADC110	MOT 10B ADC220	

※ 1) Available for 3P, 4P breaker. For detail type information, please refer to page no. 191-199.

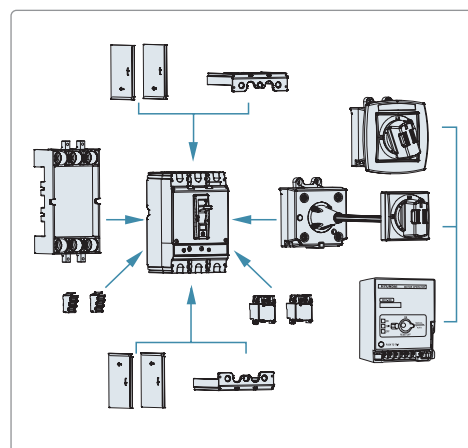
2) Motor operator is not recommended for marine application.

• Mounting

Plug-in	Structure	For both line & load side	For line side only	
	Mounting base	TDM 10BP	TDF 10B	
	Connection block	2C contact	CBM 10AB 2	—
		3C contact	CBM 10AB 3	—
Conn. block barrier	CBM BARR	—	—	

※ Available for 3P breaker

Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.



• Terminal

Cage terminal block		3EA/SET	6EA/SET	
		CTB 3S100	CTB 6S100	
Terminal cover <sup>1)</sup>		2 pole	3 pole	4 pole
		TCF 10BP 2	TCF 10BP 3	TCF 10BP 4
Interpole barrier <sup>2)</sup>	2EA/SET	TQQ 10B		

※ 1) For both line and load side of MCCB, 2EA shall be ordered.

2) Supplied as standard component

Required quantity for both line and load side of MCCB: 2 pole 2EA, 3 pole 4EA, 4 pole 6EA

## Standard order code and unit

• Fixed thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB50R 30/25kA	15A	UCB50R 2PT4S0000C 00015		UCB50R 3PT4S0000C 00015		UCB50R 4PT4S0000C 00015		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M1
	20A	UCB50R 2PT4S0000C 00020		UCB50R 3PT4S0000C 00020		UCB50R 4PT4S0000C 00020			
	30A	UCB50R 2PT4S0000C 00030		UCB50R 3PT4S0000C 00030		UCB50R 4PT4S0000C 00030			
	40A	UCB50R 2PT4S0000C 00040		UCB50R 3PT4S0000C 00040		UCB50R 4PT4S0000C 00040			
	50A	UCB50R 2PT4S0000C 00050		UCB50R 3PT4S0000C 00050		UCB50R 4PT4S0000C 00050			

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB50R 30/25kA	15A	UCB50R 2PT5S0000C 00015		UCB50R 3PT5S0000C 00015		UCB50R 4PT5S0000C 00015		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M1
	20A	UCB50R 2PT5S0000C 00020		UCB50R 3PT5S0000C 00020		UCB50R 4PT5S0000C 00020			
	30A	UCB50R 2PT5S0000C 00030		UCB50R 3PT5S0000C 00030		UCB50R 4PT5S0000C 00030			
	40A	UCB50R 2PT5S0000C 00040		UCB50R 3PT5S0000C 00040		UCB50R 4PT5S0000C 00040			
	50A	UCB50R 2PT5S0000C 00050		UCB50R 3PT5S0000C 00050		UCB50R 4PT5S0000C 00050			

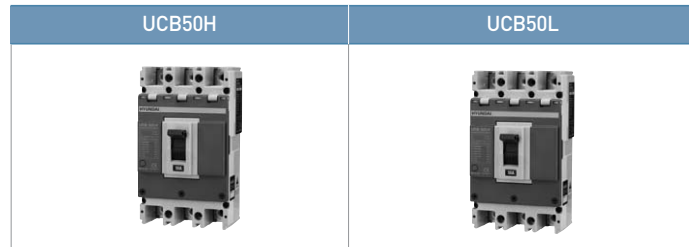


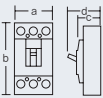
# Specifications and Standard Order Codes

## | UCB type / 50AF |

UCB50H 42kA

UCB50L 50kA



Number of poles (P)		*2, 3, 4		
Degree of protection (with terminal cover)		IP20		
Utilization category		A		
Suitability of isolation		O		
Protection		overload, inst., short-circuit		
Rating	Rated current [A]	15, 16, 20, 25, 30, 32, 40, 50		
	Rated insulation voltage [Ui] [V]	AC690		
	Rated operational voltage [Ue] [V]	AC660		
	Rated impulse withstand voltage [Uimp] [kV]	DC500		
Rated short-circuit breaking capacity	Ultimate [Icu] (kA r.m.s.)	AC600/660V, 50-60Hz	20	25
		AC480/500V, 50-60Hz	30	35
		AC440/460V, 50-60Hz	42	50
		AC380/415V, 50-60Hz	<b>42</b>	<b>50</b>
		AC220/240V, 50-60Hz	85	100
	IEC 60947-2 K 60947-2	DC250V	25	40
		DC125V	40	60
Service [Ics]	% of [Icu]	50		
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal, Fixed instantaneous	INST	O
		Adjustable thermal, Fixed instantaneous	LTD	15-32A: 15×In, 40-50A: 10×In
			INST	(0.8-0.9-1)×In
Mounting	Direct mounting by screw		O	
	Plug-in	for	Both line & load side	O
		Switchboard	Line side only	O
		for Distribution board		O
Terminal connection	Screw		O	
Durability (times)	Mechanical operation		25,000	
	Electrical operation		10,000	
Dimensions (mm)		2/3/4P	a Width	90°/90/120
			b Height	155
			c Depth	60
			d	84,5
Weight (kg, breaker only)	2/3/4P		0.9/1.0/1.3	

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) \*2P breaker has same dimension with 3P breaker, but the middle pole is removed.

## Accessories

### Signal

Auxiliary switch	1ab, Right-hand-side	2ab, Right-hand-side				
	AUX 12FG R1	AUX 12FG R2				
Trip alarm switch	1ab, Right-hand-side	1ab, Left-hand-side				
	ALT 12FG R1	ALT 12FG L1				
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 12FG A	SHT 12FG C	SHT 12FG F	SHT 12FG H	SHT 12FG B	SHT 12FG D
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	UVT 12FG J	UVT 12FG L	UVT 12FG N	UVT 12FG P	UVT 12FG Q	UVT 12FG R

- ※ 1) The permissible operating voltage: 85-110% of rated voltage for AC , 75-125% for DC
- 2) The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)  
The tripping voltage: 20-70% of rated voltage(AC/DC)

### Operating

Operating handle <sup>1)</sup>	Power supply direction		Upper	Right	Left
	Surface	S type	TFG 10UFS U4	TFG 10UFS R4	TFG 10UFS L4
		L type	TFG 10UFL U4	—	TFG 10UFL L4
	Extended	S type	TFH 10UFS		
L type		TFH 10UFL			
Motor operator <sup>2)</sup>	DC24V		AC/DC110V	AC/DC220V	
	MOT 10F DC24		MOT 10F ADC110	MOT 10F ADC220	

- ※ 1) For detail type information, please refer to page no. 191-199.
- 2) Motor operator is not recommended for marine application.

### Mounting

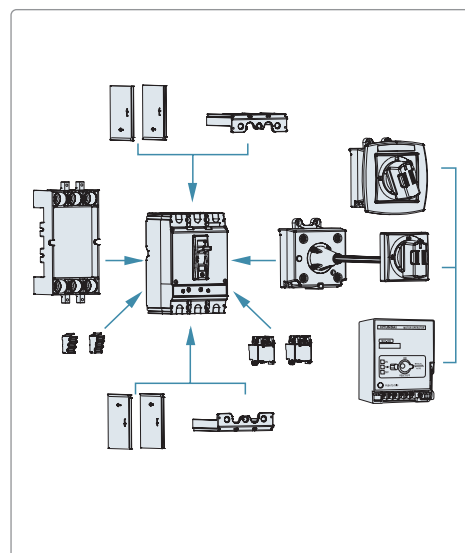
Plug-in	Structure		For both line & load side	For line side only
	Mounting base		TDM 10BP	TDF 10B
	Connection block	2C contact	CBM 10AB 2	—
		3C contact	CBM 10AB 3	—
Conn. block barrier		CBM BARR	—	

- ※ Available for 3P breaker  
Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.

### Terminal

Cage terminal block	3EA/SET	6EA/SET	
	CTB 3S100	CTB 6S100	
Terminal cover <sup>1)</sup>	2 pole	3 pole	4 pole
	TCF 10FP 3	TCF 10FP 3	TCF 10FP 4
Interpole barrier <sup>2)</sup>	2EA/SET	TQQ 12FG	

- ※ 1) For both line and load side of MCCB, 2EA shall be ordered.
- 2) Supplied as standard component  
Required quantity for both line and load side of MCCB: 2 pole 4EA, 3 pole 4EA, 4 pole 6EA



# Specifications and Standard Order Codes

## | Standard order code and unit |

- Fixed thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB50H 42kA	15A	UCB50H 2PT4S0000C 00015		UCB50H 3PT4S0000C 00015		UCB50H 4PT4S0000C 00015		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UCB50H 2PT4S0000C 00016		UCB50H 3PT4S0000C 00016		UCB50H 4PT4S0000C 00016			
	20A	UCB50H 2PT4S0000C 00020		UCB50H 3PT4S0000C 00020		UCB50H 4PT4S0000C 00020			
	25A	UCB50H 2PT4S0000C 00025		UCB50H 3PT4S0000C 00025		UCB50H 4PT4S0000C 00025			
	30A	UCB50H 2PT4S0000C 00030		UCB50H 3PT4S0000C 00030		UCB50H 4PT4S0000C 00030			
	32A	UCB50H 2PT4S0000C 00032		UCB50H 3PT4S0000C 00032		UCB50H 4PT4S0000C 00032			
	40A	UCB50H 2PT4S0000C 00040		UCB50H 3PT4S0000C 00040		UCB50H 4PT4S0000C 00040			
	50A	UCB50H 2PT4S0000C 00050		UCB50H 3PT4S0000C 00050		UCB50H 4PT4S0000C 00050			
UCB50L 50kA	15A	UCB50L 2PT4S0000C 00015		UCB50L 3PT4S0000C 00015		UCB50L 4PT4S0000C 00015			
	16A	UCB50L 2PT4S0000C 00016		UCB50L 3PT4S0000C 00016		UCB50L 4PT4S0000C 00016			
	20A	UCB50L 2PT4S0000C 00020		UCB50L 3PT4S0000C 00020		UCB50L 4PT4S0000C 00020			
	25A	UCB50L 2PT4S0000C 00025		UCB50L 3PT4S0000C 00025		UCB50L 4PT4S0000C 00025			
	30A	UCB50L 2PT4S0000C 00030		UCB50L 3PT4S0000C 00030		UCB50L 4PT4S0000C 00030			
	32A	UCB50L 2PT4S0000C 00032		UCB50L 3PT4S0000C 00032		UCB50L 4PT4S0000C 00032			
	40A	UCB50L 2PT4S0000C 00040		UCB50L 3PT4S0000C 00040		UCB50L 4PT4S0000C 00040			
	50A	UCB50L 2PT4S0000C 00050		UCB50L 3PT4S0000C 00050		UCB50L 4PT4S0000C 00050			

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB50H 42kA	15A	UCB50H 2PT5S0000C 00015		UCB50H 3PT5S0000C 00015		UCB50H 4PT5S0000C 00015		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UCB50H 2PT5S0000C 00016		UCB50H 3PT5S0000C 00016		UCB50H 4PT5S0000C 00016			
	20A	UCB50H 2PT5S0000C 00020		UCB50H 3PT5S0000C 00020		UCB50H 4PT5S0000C 00020			
	25A	UCB50H 2PT5S0000C 00025		UCB50H 3PT5S0000C 00025		UCB50H 4PT5S0000C 00025			
	30A	UCB50H 2PT5S0000C 00030		UCB50H 3PT5S0000C 00030		UCB50H 4PT5S0000C 00030			
	32A	UCB50H 2PT5S0000C 00032		UCB50H 3PT5S0000C 00032		UCB50H 4PT5S0000C 00032			
	40A	UCB50H 2PT5S0000C 00040		UCB50H 3PT5S0000C 00040		UCB50H 4PT5S0000C 00040			
	50A	UCB50H 2PT5S0000C 00050		UCB50H 3PT5S0000C 00050		UCB50H 4PT5S0000C 00050			
UCB50L 50kA	15A	UCB50L 2PT5S0000C 00015		UCB50L 3PT5S0000C 00015		UCB50L 4PT5S0000C 00015			
	16A	UCB50L 2PT5S0000C 00016		UCB50L 3PT5S0000C 00016		UCB50L 4PT5S0000C 00016			
	20A	UCB50L 2PT5S0000C 00020		UCB50L 3PT5S0000C 00020		UCB50L 4PT5S0000C 00020			
	25A	UCB50L 2PT5S0000C 00025		UCB50L 3PT5S0000C 00025		UCB50L 4PT5S0000C 00025			
	30A	UCB50L 2PT5S0000C 00030		UCB50L 3PT5S0000C 00030		UCB50L 4PT5S0000C 00030			
	32A	UCB50L 2PT5S0000C 00032		UCB50L 3PT5S0000C 00032		UCB50L 4PT5S0000C 00032			
	40A	UCB50L 2PT5S0000C 00040		UCB50L 3PT5S0000C 00040		UCB50L 4PT5S0000C 00040			
	50A	UCB50L 2PT5S0000C 00050		UCB50L 3PT5S0000C 00050		UCB50L 4PT5S0000C 00050			

- Adjustable thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB50H 42kA	15A	UCB50H 2PT4S0000C 00015F		UCB50H 3PT4S0000C 00015F		UCB50H 4PT4S0000C 00015F		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UCB50H 2PT4S0000C 00016F		UCB50H 3PT4S0000C 00016F		UCB50H 4PT4S0000C 00016F			
	20A	UCB50H 2PT4S0000C 00020F		UCB50H 3PT4S0000C 00020F		UCB50H 4PT4S0000C 00020F			
	25A	UCB50H 2PT4S0000C 00025F		UCB50H 3PT4S0000C 00025F		UCB50H 4PT4S0000C 00025F			
	30A	UCB50H 2PT4S0000C 00030F		UCB50H 3PT4S0000C 00030F		UCB50H 4PT4S0000C 00030F			
	32A	UCB50H 2PT4S0000C 00032F		UCB50H 3PT4S0000C 00032F		UCB50H 4PT4S0000C 00032F			
	40A	UCB50H 2PT4S0000C 00040F		UCB50H 3PT4S0000C 00040F		UCB50H 4PT4S0000C 00040F			
	50A	UCB50H 2PT4S0000C 00050F		UCB50H 3PT4S0000C 00050F		UCB50H 4PT4S0000C 00050F			
UCB50L 50kA	15A	UCB50L 2PT4S0000C 00015F		UCB50L 3PT4S0000C 00015F		UCB50L 4PT4S0000C 00015F			
	16A	UCB50L 2PT4S0000C 00016F		UCB50L 3PT4S0000C 00016F		UCB50L 4PT4S0000C 00016F			
	20A	UCB50L 2PT4S0000C 00020F		UCB50L 3PT4S0000C 00020F		UCB50L 4PT4S0000C 00020F			
	25A	UCB50L 2PT4S0000C 00025F		UCB50L 3PT4S0000C 00025F		UCB50L 4PT4S0000C 00025F			
	30A	UCB50L 2PT4S0000C 00030F		UCB50L 3PT4S0000C 00030F		UCB50L 4PT4S0000C 00030F			
	32A	UCB50L 2PT4S0000C 00032F		UCB50L 3PT4S0000C 00032F		UCB50L 4PT4S0000C 00032F			
	40A	UCB50L 2PT4S0000C 00040F		UCB50L 3PT4S0000C 00040F		UCB50L 4PT4S0000C 00040F			
	50A	UCB50L 2PT4S0000C 00050F		UCB50L 3PT4S0000C 00050F		UCB50L 4PT4S0000C 00050F			

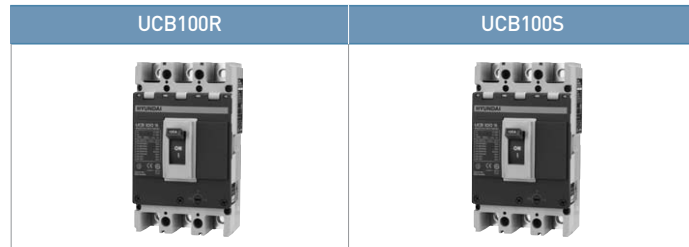
50°C

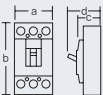
Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB50H 42kA	15A	UCB50H 2PT5S0000C 00015F		UCB50H 3PT5S0000C 00015F		UCB50H 4PT5S0000C 00015F		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UCB50H 2PT5S0000C 00016F		UCB50H 3PT5S0000C 00016F		UCB50H 4PT5S0000C 00016F			
	20A	UCB50H 2PT5S0000C 00020F		UCB50H 3PT5S0000C 00020F		UCB50H 4PT5S0000C 00020F			
	25A	UCB50H 2PT5S0000C 00025F		UCB50H 3PT5S0000C 00025F		UCB50H 4PT5S0000C 00025F			
	30A	UCB50H 2PT5S0000C 00030F		UCB50H 3PT5S0000C 00030F		UCB50H 4PT5S0000C 00030F			
	32A	UCB50H 2PT5S0000C 00032F		UCB50H 3PT5S0000C 00032F		UCB50H 4PT5S0000C 00032F			
	40A	UCB50H 2PT5S0000C 00040F		UCB50H 3PT5S0000C 00040F		UCB50H 4PT5S0000C 00040F			
	50A	UCB50H 2PT5S0000C 00050F		UCB50H 3PT5S0000C 00050F		UCB50H 4PT5S0000C 00050F			
UCB50L 50kA	15A	UCB50L 2PT5S0000C 00015F		UCB50L 3PT5S0000C 00015F		UCB50L 4PT5S0000C 00015F			
	16A	UCB50L 2PT5S0000C 00016F		UCB50L 3PT5S0000C 00016F		UCB50L 4PT5S0000C 00016F			
	20A	UCB50L 2PT5S0000C 00020F		UCB50L 3PT5S0000C 00020F		UCB50L 4PT5S0000C 00020F			
	25A	UCB50L 2PT5S0000C 00025F		UCB50L 3PT5S0000C 00025F		UCB50L 4PT5S0000C 00025F			
	30A	UCB50L 2PT5S0000C 00030F		UCB50L 3PT5S0000C 00030F		UCB50L 4PT5S0000C 00030F			
	32A	UCB50L 2PT5S0000C 00032F		UCB50L 3PT5S0000C 00032F		UCB50L 4PT5S0000C 00032F			
	40A	UCB50L 2PT5S0000C 00040F		UCB50L 3PT5S0000C 00040F		UCB50L 4PT5S0000C 00040F			
	50A	UCB50L 2PT5S0000C 00050F		UCB50L 3PT5S0000C 00050F		UCB50L 4PT5S0000C 00050F			

# Specifications and Standard Order Codes

## | UCB type / 100AF |

UCB100R 30 / 25kA  
UCB100S 42 / 36kA



Number of poles (P)		2, 3, 4		
Degree of protection (with terminal cover)		IP20		
Utilization category		A		
Suitability of isolation		O		
Protection		overload, inst., short-circuit		
Rating	Rated current [A]		15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100	
	Rated insulation voltage [Ui] [V]		AC690	
	Rated operational voltage [Ue] [V]		AC660	
	Rated impulse withstand voltage [Uimp] [kV]		DC250	
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [Icu] [kA r.m.s.]	AC600/660V, 50-60Hz	10	18
		AC480/500V, 50-60Hz	14	25
		AC440/460V, 50-60Hz	25	35
		AC380/415V, 50-60Hz	<b>30/25</b>	<b>42/36</b>
		AC220/240V, 50-60Hz	50	65
	DC250V	14	18	
	DC125V	20	25	
Service [Ics] % of [Icu]	50			
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal, Fixed instantaneous	INST	O
		Adjustable thermal, Fixed instantaneous	LTD	10×In
			INST	(0.8-0.9-1)×In
Mounting	Direct mounting by screw		O	
	Plug-in	for Switchboard	Both line & load side	O <sup>1)</sup>
		for Distribution board	Line side only	O <sup>1)</sup>
Terminal connection	Screw		O	
Durability (times)	Mechanical operation		25,000	
	Electrical operation		10,000	
Dimensions (mm)		2/3/4P	a Width	60/90/120
			b Height	155
			c Depth	60
			d	84.5
Weight (kg, breaker only)	2/3/4P		0.7/1.0/1.2	

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

<sup>1)</sup> Available for 3P breaker

## Accessories

### Signal

Auxiliary switch	1ab, Left-hand-side					
	AUX 10B L1					
Trip alarm switch	1ab, Left-hand-side					
	ALT 10B L1					
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 10B A	SHT 10B C	SHT 10B F	SHT 10B H		
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	UVT 10B J	UVT 10B L	UVT 10B N	UVT 10B P	UVT 10B Q	UVT 10B R

- ※ 1) The permissible operating voltage: 85-110% of rated voltage for AC , 75-125% for DC
- 2) The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)  
The tripping voltage: 20-70% of rated voltage(AC/DC)

### Operating

Operating handle <sup>1)</sup>	Power supply direction		Upper	Right	Left
	Surface	S type	TFG 10BS U4	TFG 10BS R4	TFG 10BS L4
		L type	TFG 10BL U4	—	TFG 10BL L4
	Extended	S type	TFH 10BS		
L type		TFH 10BL			
Motor operator <sup>2)</sup>	DC24V		AC/DC110V	AC/DC220V	
	MOT 10B DC24		MOT 10B ADC110	MOT 10B ADC220	

- ※ 1) Available for 3P, 4P breaker. For detail type information, please refer to page no. 191-199.
- 2) Motor operator is not recommended for marine application.

### Mounting

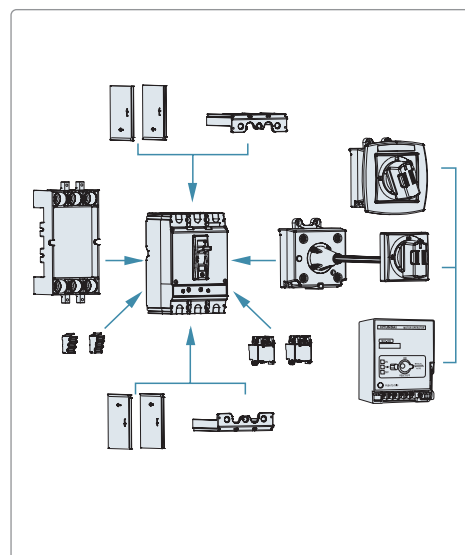
Plug-in	Structure		For both line & load side	For line side only
	Mounting base		TDM 10BP	TDF 10B
	Connection block	2C contact	CBM 10AB 2	—
		3C contact	CBM 10AB 3	—
Conn. block barrier		CBM BARR	—	

- ※ Available for 3P breaker  
Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.

### Terminal

Cage terminal block	3EA/SET	6EA/SET	
	CTB 3S100	CTB 6S100	
Terminal cover <sup>1)</sup>	2 pole	3 pole	4 pole
	TCF 10BP 2	TCF 10BP 3	TCF 10BP 4
Interpole barrier <sup>2)</sup>	2EA/SET	TQQ 10B	

- ※ 1) For both line and load side of MCCB, 2EA shall be ordered.
- 2) Supplied as standard component  
Required quantity for both line and load side of MCCB: 2 pole 2EA, 3 pole 4EA, 4 pole 6EA



# Specifications and Standard Order Codes

## Standard order code and unit

- Fixed thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB100R 30/25kA	15A	UCB100R 2PT4S0000C 00015		UCB100R 3PT4S0000C 00015		UCB100R 4PT4S0000C 00015		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UCB100R 2PT4S0000C 00016		UCB100R 3PT4S0000C 00016		UCB100R 4PT4S0000C 00016			
	20A	UCB100R 2PT4S0000C 00020		UCB100R 3PT4S0000C 00020		UCB100R 4PT4S0000C 00020			
	25A	UCB100R 2PT4S0000C 00025		UCB100R 3PT4S0000C 00025		UCB100R 4PT4S0000C 00025			
	30A	UCB100R 2PT4S0000C 00030		UCB100R 3PT4S0000C 00030		UCB100R 4PT4S0000C 00030			
	32A	UCB100R 2PT4S0000C 00032		UCB100R 3PT4S0000C 00032		UCB100R 4PT4S0000C 00032			
	40A	UCB100R 2PT4S0000C 00040		UCB100R 3PT4S0000C 00040		UCB100R 4PT4S0000C 00040			
	50A	UCB100R 2PT4S0000C 00050		UCB100R 3PT4S0000C 00050		UCB100R 4PT4S0000C 00050			
	60A	UCB100R 2PT4S0000C 00060		UCB100R 3PT4S0000C 00060		UCB100R 4PT4S0000C 00060			
	63A	UCB100R 2PT4S0000C 00063		UCB100R 3PT4S0000C 00063		UCB100R 4PT4S0000C 00063			
	75A	UCB100R 2PT4S0000C 00075		UCB100R 3PT4S0000C 00075		UCB100R 4PT4S0000C 00075			
80A	UCB100R 2PT4S0000C 00080		UCB100R 3PT4S0000C 00080		UCB100R 4PT4S0000C 00080				
100A	UCB100R 2PT4S0000C 00100		UCB100R 3PT4S0000C 00100		UCB100R 4PT4S0000C 00100				
UCB100S 42/36kA	15A	UCB100S 2PT4S0000C 00015		UCB100S 3PT4S0000C 00015		UCB100S 4PT4S0000C 00015			
	16A	UCB100S 2PT4S0000C 00016		UCB100S 3PT4S0000C 00016		UCB100S 4PT4S0000C 00016			
	20A	UCB100S 2PT4S0000C 00020		UCB100S 3PT4S0000C 00020		UCB100S 4PT4S0000C 00020			
	25A	UCB100S 2PT4S0000C 00025		UCB100S 3PT4S0000C 00025		UCB100S 4PT4S0000C 00025			
	30A	UCB100S 2PT4S0000C 00030		UCB100S 3PT4S0000C 00030		UCB100S 4PT4S0000C 00030			
	32A	UCB100S 2PT4S0000C 00032		UCB100S 3PT4S0000C 00032		UCB100S 4PT4S0000C 00032			
	40A	UCB100S 2PT4S0000C 00040		UCB100S 3PT4S0000C 00040		UCB100S 4PT4S0000C 00040			
	50A	UCB100S 2PT4S0000C 00050		UCB100S 3PT4S0000C 00050		UCB100S 4PT4S0000C 00050			
	60A	UCB100S 2PT4S0000C 00060		UCB100S 3PT4S0000C 00060		UCB100S 4PT4S0000C 00060			
	63A	UCB100S 2PT4S0000C 00063		UCB100S 3PT4S0000C 00063		UCB100S 4PT4S0000C 00063			
	75A	UCB100S 2PT4S0000C 00075		UCB100S 3PT4S0000C 00075		UCB100S 4PT4S0000C 00075			
80A	UCB100S 2PT4S0000C 00080		UCB100S 3PT4S0000C 00080		UCB100S 4PT4S0000C 00080				
100A	UCB100S 2PT4S0000C 00100		UCB100S 3PT4S0000C 00100		UCB100S 4PT4S0000C 00100				

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB100R 30/25kA	15A	UCB100R 2PT5S0000C 00015		UCB100R 3PT5S0000C 00015		UCB100R 4PT5S0000C 00015		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UCB100R 2PT5S0000C 00016		UCB100R 3PT5S0000C 00016		UCB100R 4PT5S0000C 00016			
	20A	UCB100R 2PT5S0000C 00020		UCB100R 3PT5S0000C 00020		UCB100R 4PT5S0000C 00020			
	25A	UCB100R 2PT5S0000C 00025		UCB100R 3PT5S0000C 00025		UCB100R 4PT5S0000C 00025			
	30A	UCB100R 2PT5S0000C 00030		UCB100R 3PT5S0000C 00030		UCB100R 4PT5S0000C 00030			
	32A	UCB100R 2PT5S0000C 00032		UCB100R 3PT5S0000C 00032		UCB100R 4PT5S0000C 00032			
	40A	UCB100R 2PT5S0000C 00040		UCB100R 3PT5S0000C 00040		UCB100R 4PT5S0000C 00040			
	50A	UCB100R 2PT5S0000C 00050		UCB100R 3PT5S0000C 00050		UCB100R 4PT5S0000C 00050			
	60A	UCB100R 2PT5S0000C 00060		UCB100R 3PT5S0000C 00060		UCB100R 4PT5S0000C 00060			
	63A	UCB100R 2PT5S0000C 00063		UCB100R 3PT5S0000C 00063		UCB100R 4PT5S0000C 00063			
	75A	UCB100R 2PT5S0000C 00075		UCB100R 3PT5S0000C 00075		UCB100R 4PT5S0000C 00075			
80A	UCB100R 2PT5S0000C 00080		UCB100R 3PT5S0000C 00080		UCB100R 4PT5S0000C 00080				
100A	UCB100R 2PT5S0000C 00100		UCB100R 3PT5S0000C 00100		UCB100R 4PT5S0000C 00100				
UCB100S 42/36kA	15A	UCB100S 2PT5S0000C 00015		UCB100S 3PT5S0000C 00015		UCB100S 4PT5S0000C 00015			
	16A	UCB100S 2PT5S0000C 00016		UCB100S 3PT5S0000C 00016		UCB100S 4PT5S0000C 00016			
	20A	UCB100S 2PT5S0000C 00020		UCB100S 3PT5S0000C 00020		UCB100S 4PT5S0000C 00020			
	25A	UCB100S 2PT5S0000C 00025		UCB100S 3PT5S0000C 00025		UCB100S 4PT5S0000C 00025			
	30A	UCB100S 2PT5S0000C 00030		UCB100S 3PT5S0000C 00030		UCB100S 4PT5S0000C 00030			
	32A	UCB100S 2PT5S0000C 00032		UCB100S 3PT5S0000C 00032		UCB100S 4PT5S0000C 00032			
	40A	UCB100S 2PT5S0000C 00040		UCB100S 3PT5S0000C 00040		UCB100S 4PT5S0000C 00040			
	50A	UCB100S 2PT5S0000C 00050		UCB100S 3PT5S0000C 00050		UCB100S 4PT5S0000C 00050			
	60A	UCB100S 2PT5S0000C 00060		UCB100S 3PT5S0000C 00060		UCB100S 4PT5S0000C 00060			
	63A	UCB100S 2PT5S0000C 00063		UCB100S 3PT5S0000C 00063		UCB100S 4PT5S0000C 00063			
	75A	UCB100S 2PT5S0000C 00075		UCB100S 3PT5S0000C 00075		UCB100S 4PT5S0000C 00075			
80A	UCB100S 2PT5S0000C 00080		UCB100S 3PT5S0000C 00080		UCB100S 4PT5S0000C 00080				
100A	UCB100S 2PT5S0000C 00100		UCB100S 3PT5S0000C 00100		UCB100S 4PT5S0000C 00100				

- Adjustable thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB100R 30/25kA	15A	UCB100R 2PT4S0000C 00015F		UCB100R 3PT4S0000C 00015F		UCB100R 4PT4S0000C 00015F		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UCB100R 2PT4S0000C 00016F		UCB100R 3PT4S0000C 00016F		UCB100R 4PT4S0000C 00016F			
	20A	UCB100R 2PT4S0000C 00020F		UCB100R 3PT4S0000C 00020F		UCB100R 4PT4S0000C 00020F			
	25A	UCB100R 2PT4S0000C 00025F		UCB100R 3PT4S0000C 00025F		UCB100R 4PT4S0000C 00025F			
	30A	UCB100R 2PT4S0000C 00030F		UCB100R 3PT4S0000C 00030F		UCB100R 4PT4S0000C 00030F			
	32A	UCB100R 2PT4S0000C 00032F		UCB100R 3PT4S0000C 00032F		UCB100R 4PT4S0000C 00032F			
	40A	UCB100R 2PT4S0000C 00040F		UCB100R 3PT4S0000C 00040F		UCB100R 4PT4S0000C 00040F			
	50A	UCB100R 2PT4S0000C 00050F		UCB100R 3PT4S0000C 00050F		UCB100R 4PT4S0000C 00050F			
	60A	UCB100R 2PT4S0000C 00060F		UCB100R 3PT4S0000C 00060F		UCB100R 4PT4S0000C 00060F			
	63A	UCB100R 2PT4S0000C 00063F		UCB100R 3PT4S0000C 00063F		UCB100R 4PT4S0000C 00063F			
	75A	UCB100R 2PT4S0000C 00075F		UCB100R 3PT4S0000C 00075F		UCB100R 4PT4S0000C 00075F			
80A	UCB100R 2PT4S0000C 00080F		UCB100R 3PT4S0000C 00080F		UCB100R 4PT4S0000C 00080F				
100A	UCB100R 2PT4S0000C 00100F		UCB100R 3PT4S0000C 00100F		UCB100R 4PT4S0000C 00100F				
UCB100S 42/36kA	15A	UCB100S 2PT4S0000C 00015F		UCB100S 3PT4S0000C 00015F		UCB100S 4PT4S0000C 00015F			
	16A	UCB100S 2PT4S0000C 00016F		UCB100S 3PT4S0000C 00016F		UCB100S 4PT4S0000C 00016F			
	20A	UCB100S 2PT4S0000C 00020F		UCB100S 3PT4S0000C 00020F		UCB100S 4PT4S0000C 00020F			
	25A	UCB100S 2PT4S0000C 00025F		UCB100S 3PT4S0000C 00025F		UCB100S 4PT4S0000C 00025F			
	30A	UCB100S 2PT4S0000C 00030F		UCB100S 3PT4S0000C 00030F		UCB100S 4PT4S0000C 00030F			
	32A	UCB100S 2PT4S0000C 00032F		UCB100S 3PT4S0000C 00032F		UCB100S 4PT4S0000C 00032F			
	40A	UCB100S 2PT4S0000C 00040F		UCB100S 3PT4S0000C 00040F		UCB100S 4PT4S0000C 00040F			
	50A	UCB100S 2PT4S0000C 00050F		UCB100S 3PT4S0000C 00050F		UCB100S 4PT4S0000C 00050F			
	60A	UCB100S 2PT4S0000C 00060F		UCB100S 3PT4S0000C 00060F		UCB100S 4PT4S0000C 00060F			
	63A	UCB100S 2PT4S0000C 00063F		UCB100S 3PT4S0000C 00063F		UCB100S 4PT4S0000C 00063F			
	75A	UCB100S 2PT4S0000C 00075F		UCB100S 3PT4S0000C 00075F		UCB100S 4PT4S0000C 00075F			
80A	UCB100S 2PT4S0000C 00080F		UCB100S 3PT4S0000C 00080F		UCB100S 4PT4S0000C 00080F				
100A	UCB100S 2PT4S0000C 00100F		UCB100S 3PT4S0000C 00100F		UCB100S 4PT4S0000C 00100F				

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB100R 30/25kA	15A	UCB100R 2PT5S0000C 00015F		UCB100R 3PT5S0000C 00015F		UCB100R 4PT5S0000C 00015F		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UCB100R 2PT5S0000C 00016F		UCB100R 3PT5S0000C 00016F		UCB100R 4PT5S0000C 00016F			
	20A	UCB100R 2PT5S0000C 00020F		UCB100R 3PT5S0000C 00020F		UCB100R 4PT5S0000C 00020F			
	25A	UCB100R 2PT5S0000C 00025F		UCB100R 3PT5S0000C 00025F		UCB100R 4PT5S0000C 00025F			
	30A	UCB100R 2PT5S0000C 00030F		UCB100R 3PT5S0000C 00030F		UCB100R 4PT5S0000C 00030F			
	32A	UCB100R 2PT5S0000C 00032F		UCB100R 3PT5S0000C 00032F		UCB100R 4PT5S0000C 00032F			
	40A	UCB100R 2PT5S0000C 00040F		UCB100R 3PT5S0000C 00040F		UCB100R 4PT5S0000C 00040F			
	50A	UCB100R 2PT5S0000C 00050F		UCB100R 3PT5S0000C 00050F		UCB100R 4PT5S0000C 00050F			
	60A	UCB100R 2PT5S0000C 00060F		UCB100R 3PT5S0000C 00060F		UCB100R 4PT5S0000C 00060F			
	63A	UCB100R 2PT5S0000C 00063F		UCB100R 3PT5S0000C 00063F		UCB100R 4PT5S0000C 00063F			
	75A	UCB100R 2PT5S0000C 00075F		UCB100R 3PT5S0000C 00075F		UCB100R 4PT5S0000C 00075F			
80A	UCB100R 2PT5S0000C 00080F		UCB100R 3PT5S0000C 00080F		UCB100R 4PT5S0000C 00080F				
100A	UCB100R 2PT5S0000C 00100F		UCB100R 3PT5S0000C 00100F		UCB100R 4PT5S0000C 00100F				
UCB100S 42/36kA	15A	UCB100S 2PT5S0000C 00015F		UCB100S 3PT5S0000C 00015F		UCB100S 4PT5S0000C 00015F			
	16A	UCB100S 2PT5S0000C 00016F		UCB100S 3PT5S0000C 00016F		UCB100S 4PT5S0000C 00016F			
	20A	UCB100S 2PT5S0000C 00020F		UCB100S 3PT5S0000C 00020F		UCB100S 4PT5S0000C 00020F			
	25A	UCB100S 2PT5S0000C 00025F		UCB100S 3PT5S0000C 00025F		UCB100S 4PT5S0000C 00025F			
	30A	UCB100S 2PT5S0000C 00030F		UCB100S 3PT5S0000C 00030F		UCB100S 4PT5S0000C 00030F			
	32A	UCB100S 2PT5S0000C 00032F		UCB100S 3PT5S0000C 00032F		UCB100S 4PT5S0000C 00032F			
	40A	UCB100S 2PT5S0000C 00040F		UCB100S 3PT5S0000C 00040F		UCB100S 4PT5S0000C 00040F			
	50A	UCB100S 2PT5S0000C 00050F		UCB100S 3PT5S0000C 00050F		UCB100S 4PT5S0000C 00050F			
	60A	UCB100S 2PT5S0000C 00060F		UCB100S 3PT5S0000C 00060F		UCB100S 4PT5S0000C 00060F			
	63A	UCB100S 2PT5S0000C 00063F		UCB100S 3PT5S0000C 00063F		UCB100S 4PT5S0000C 00063F			
	75A	UCB100S 2PT5S0000C 00075F		UCB100S 3PT5S0000C 00075F		UCB100S 4PT5S0000C 00075F			
80A	UCB100S 2PT5S0000C 00080F		UCB100S 3PT5S0000C 00080F		UCB100S 4PT5S0000C 00080F				
100A	UCB100S 2PT5S0000C 00100F		UCB100S 3PT5S0000C 00100F		UCB100S 4PT5S0000C 00100F				

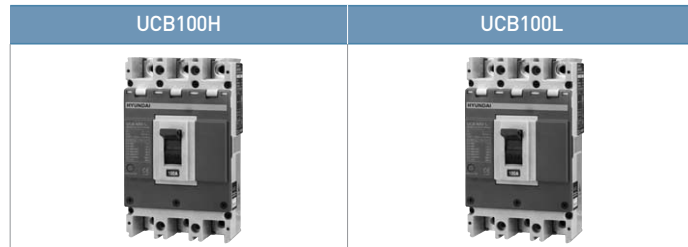


# Specifications and Standard Order Codes

## | UCB type / 125AF |

UCB100H 42kA

UCB100L 50kA



		UCB100H	UCB100L	
Number of poles (P)		*2, 3, 4		
Degree of protection (with terminal cover)		IP20		
Utilization category		A		
Suitability of isolation		○		
Protection		overload, inst., short-circuit		
Rating	Rated current [A]	15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100, 125		
	Rated insulation voltage [Ui] [V]	AC690		
	Rated operational voltage [Ue] [V]	AC660		
	Rated impulse withstand voltage [Uimp] [kV]	DC250		
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [Icu] [kA r.m.s.]	AC600/660V, 50-60Hz	20	25
		AC480/500V, 50-60Hz	30	35
		AC440/460V, 50-60Hz	42	50
		AC380/415V, 50-60Hz	<b>42</b>	<b>50</b>
		AC220/240V, 50-60Hz	85	100
		DC250V	25	40
	DC125V	40	60	
Service [Ics] % of [Icu]	50			
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal, Fixed instantaneous	INST	○
		Adjustable thermal, Fixed instantaneous	LTD	15-32A: 15×In, 40-125A: 10×In
			INST	(0.8-0.9-1)×In
Mounting	Direct mounting by screw		○	
	Plug-in	for Both line & load side	○ <sup>1)</sup>	
		Switchboard Line side only	○ <sup>1)</sup>	
for Distribution board		○ <sup>1)</sup>		
Terminal connection	Screw		○	
Durability (times)	Mechanical operation		25,000	
	Electrical operation		10,000	
Dimensions (mm)		2/3/4P	a Width	90 <sup>2)</sup> /90/120
			b Height	155
			c Depth	60
			d	84.5
Weight (kg, breaker only)	2/3/4P		0.9/1.0/1.3	

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker

2) \*2P breaker has same dimension with 3P breaker, but the middle pole is removed.

## Accessories

### Signal

Auxiliary switch	1ab, Right-hand-side	2ab, Right-hand-side				
	AUX 12FG R1	AUX 12FG R2				
Trip alarm switch	1ab, Right-hand-side	1ab, Left-hand-side				
	ALT 12FG R1	ALT 12FG L1				
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 12FG A	SHT 12FG C	SHT 12FG F	SHT 12FG H	SHT 12FG B	SHT 12FG D
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	UVT 12FG J	UVT 12FG L	UVT 12FG N	UVT 12FG P	UVT 12FG Q	UVT 12FG R

- ※ 1) The permissible operating voltage: 85-110% of rated voltage for AC , 75-125% for DC
- 2) The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)  
The tripping voltage: 20-70% of rated voltage(AC/DC)

### Operating

Operating handle <sup>1)</sup>	Power supply direction		Upper	Right	Left
	Surface	S type	TFG 10UFS U4	TFG 10UFS R4	TFG 10UFS L4
		L type	TFG 10UFL U4	—	TFG 10UFL L4
	Extended	S type	TFH 10UFS		
L type		TFH 10UFL			
Motor operator <sup>2)</sup>	DC24V		AC/DC110V	AC/DC220V	
	MOT 10F DC24		MOT 10F ADC110	MOT 10F ADC220	

- ※ 1) For detail type information, please refer to page no. 191-199.
- 2) Motor operator is not recommended for marine application.

### Mounting

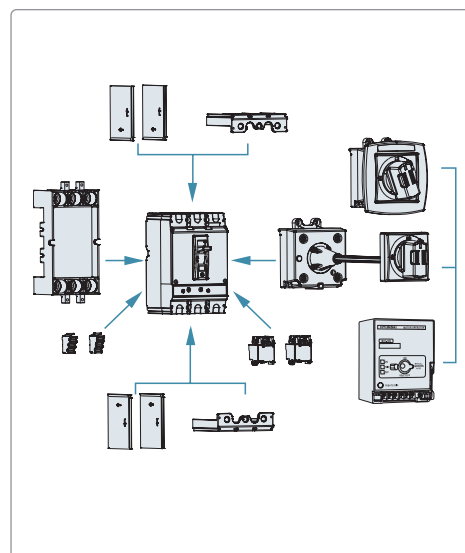
Plug-in	Structure		For both line & load side	For line side only
	Mounting base		TDM 10BP	TDF 10B
	Connection block	2C contact	CBM 10AB 2	—
		3C contact	CBM 10AB 3	—
Conn. block barrier		CBM BARR	—	

- ※ Available for 3P breaker  
Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.

### Terminal

Cage terminal block	3EA/SET	6EA/SET	
	CTB 3S100	CTB 6S100	
Terminal cover <sup>1)</sup>	2 pole	3 pole	4 pole
	TCF 10FP 3	TCF 10FP 3	TCF 10FP 4
Interpole barrier <sup>2)</sup>	2EA/SET	TQQ 12FG	

- ※ 1) For both line and load side of MCCB, 2EA shall be ordered.
- 2) Supplied as standard component  
Required quantity for both line and load side of MCCB: 2 pole 4EA, 3 pole 4EA, 4 pole 6EA



# Specifications and Standard Order Codes

## Standard order code and unit

- Fixed thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB100H 42kA	15A	UCB100H 2PT4S0000C 00015		UCB100H 3PT4S0000C 00015		UCB100H 4PT4S0000C 00015		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UCB100H 2PT4S0000C 00016		UCB100H 3PT4S0000C 00016		UCB100H 4PT4S0000C 00016			
	20A	UCB100H 2PT4S0000C 00020		UCB100H 3PT4S0000C 00020		UCB100H 4PT4S0000C 00020			
	25A	UCB100H 2PT4S0000C 00025		UCB100H 3PT4S0000C 00025		UCB100H 4PT4S0000C 00025			
	30A	UCB100H 2PT4S0000C 00030		UCB100H 3PT4S0000C 00030		UCB100H 4PT4S0000C 00030			
	32A	UCB100H 2PT4S0000C 00032		UCB100H 3PT4S0000C 00032		UCB100H 4PT4S0000C 00032			
	40A	UCB100H 2PT4S0000C 00040		UCB100H 3PT4S0000C 00040		UCB100H 4PT4S0000C 00040			
	50A	UCB100H 2PT4S0000C 00050		UCB100H 3PT4S0000C 00050		UCB100H 4PT4S0000C 00050			
	60A	UCB100H 2PT4S0000C 00060		UCB100H 3PT4S0000C 00060		UCB100H 4PT4S0000C 00060			
	63A	UCB100H 2PT4S0000C 00063		UCB100H 3PT4S0000C 00063		UCB100H 4PT4S0000C 00063			
	75A	UCB100H 2PT4S0000C 00075		UCB100H 3PT4S0000C 00075		UCB100H 4PT4S0000C 00075			
	80A	UCB100H 2PT4S0000C 00080		UCB100H 3PT4S0000C 00080		UCB100H 4PT4S0000C 00080			
	100A	UCB100H 2PT4S0000C 00100		UCB100H 3PT4S0000C 00100		UCB100H 4PT4S0000C 00100			
125A	UCB100H 2PT4S0000C 00125		UCB100H 3PT4S0000C 00125		UCB100H 4PT4S0000C 00125				
UCB100L 50kA	15A	UCB100L 2PT4S0000C 00015		UCB100L 3PT4S0000C 00015		UCB100L 4PT4S0000C 00015			
	16A	UCB100L 2PT4S0000C 00016		UCB100L 3PT4S0000C 00016		UCB100L 4PT4S0000C 00016			
	20A	UCB100L 2PT4S0000C 00020		UCB100L 3PT4S0000C 00020		UCB100L 4PT4S0000C 00020			
	25A	UCB100L 2PT4S0000C 00025		UCB100L 3PT4S0000C 00025		UCB100L 4PT4S0000C 00025			
	30A	UCB100L 2PT4S0000C 00030		UCB100L 3PT4S0000C 00030		UCB100L 4PT4S0000C 00030			
	32A	UCB100L 2PT4S0000C 00032		UCB100L 3PT4S0000C 00032		UCB100L 4PT4S0000C 00032			
	40A	UCB100L 2PT4S0000C 00040		UCB100L 3PT4S0000C 00040		UCB100L 4PT4S0000C 00040			
	50A	UCB100L 2PT4S0000C 00050		UCB100L 3PT4S0000C 00050		UCB100L 4PT4S0000C 00050			
	60A	UCB100L 2PT4S0000C 00060		UCB100L 3PT4S0000C 00060		UCB100L 4PT4S0000C 00060			
	63A	UCB100L 2PT4S0000C 00063		UCB100L 3PT4S0000C 00063		UCB100L 4PT4S0000C 00063			
	75A	UCB100L 2PT4S0000C 00075		UCB100L 3PT4S0000C 00075		UCB100L 4PT4S0000C 00075			
	80A	UCB100L 2PT4S0000C 00080		UCB100L 3PT4S0000C 00080		UCB100L 4PT4S0000C 00080			
	100A	UCB100L 2PT4S0000C 00100		UCB100L 3PT4S0000C 00100		UCB100L 4PT4S0000C 00100			
125A	UCB100L 2PT4S0000C 00125		UCB100L 3PT4S0000C 00125		UCB100L 4PT4S0000C 00125				

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB100H 42kA	15A	UCB100H 2PT5S0000C 00015		UCB100H 3PT5S0000C 00015		UCB100H 4PT5S0000C 00015		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UCB100H 2PT5S0000C 00016		UCB100H 3PT5S0000C 00016		UCB100H 4PT5S0000C 00016			
	20A	UCB100H 2PT5S0000C 00020		UCB100H 3PT5S0000C 00020		UCB100H 4PT5S0000C 00020			
	25A	UCB100H 2PT5S0000C 00025		UCB100H 3PT5S0000C 00025		UCB100H 4PT5S0000C 00025			
	30A	UCB100H 2PT5S0000C 00030		UCB100H 3PT5S0000C 00030		UCB100H 4PT5S0000C 00030			
	32A	UCB100H 2PT5S0000C 00032		UCB100H 3PT5S0000C 00032		UCB100H 4PT5S0000C 00032			
	40A	UCB100H 2PT5S0000C 00040		UCB100H 3PT5S0000C 00040		UCB100H 4PT5S0000C 00040			
	50A	UCB100H 2PT5S0000C 00050		UCB100H 3PT5S0000C 00050		UCB100H 4PT5S0000C 00050			
	60A	UCB100H 2PT5S0000C 00060		UCB100H 3PT5S0000C 00060		UCB100H 4PT5S0000C 00060			
	63A	UCB100H 2PT5S0000C 00063		UCB100H 3PT5S0000C 00063		UCB100H 4PT5S0000C 00063			
	75A	UCB100H 2PT5S0000C 00075		UCB100H 3PT5S0000C 00075		UCB100H 4PT5S0000C 00075			
	80A	UCB100H 2PT5S0000C 00080		UCB100H 3PT5S0000C 00080		UCB100H 4PT5S0000C 00080			
	100A	UCB100H 2PT5S0000C 00100		UCB100H 3PT5S0000C 00100		UCB100H 4PT5S0000C 00100			
125A	UCB100H 2PT5S0000C 00125		UCB100H 3PT5S0000C 00125		UCB100H 4PT5S0000C 00125				
UCB100L 50kA	15A	UCB100L 2PT5S0000C 00015		UCB100L 3PT5S0000C 00015		UCB100L 4PT5S0000C 00015			
	16A	UCB100L 2PT5S0000C 00016		UCB100L 3PT5S0000C 00016		UCB100L 4PT5S0000C 00016			
	20A	UCB100L 2PT5S0000C 00020		UCB100L 3PT5S0000C 00020		UCB100L 4PT5S0000C 00020			
	25A	UCB100L 2PT5S0000C 00025		UCB100L 3PT5S0000C 00025		UCB100L 4PT5S0000C 00025			
	30A	UCB100L 2PT5S0000C 00030		UCB100L 3PT5S0000C 00030		UCB100L 4PT5S0000C 00030			
	32A	UCB100L 2PT5S0000C 00032		UCB100L 3PT5S0000C 00032		UCB100L 4PT5S0000C 00032			
	40A	UCB100L 2PT5S0000C 00040		UCB100L 3PT5S0000C 00040		UCB100L 4PT5S0000C 00040			
	50A	UCB100L 2PT5S0000C 00050		UCB100L 3PT5S0000C 00050		UCB100L 4PT5S0000C 00050			
	60A	UCB100L 2PT5S0000C 00060		UCB100L 3PT5S0000C 00060		UCB100L 4PT5S0000C 00060			
	63A	UCB100L 2PT5S0000C 00063		UCB100L 3PT5S0000C 00063		UCB100L 4PT5S0000C 00063			
	75A	UCB100L 2PT5S0000C 00075		UCB100L 3PT5S0000C 00075		UCB100L 4PT5S0000C 00075			
	80A	UCB100L 2PT5S0000C 00080		UCB100L 3PT5S0000C 00080		UCB100L 4PT5S0000C 00080			
	100A	UCB100L 2PT5S0000C 00100		UCB100L 3PT5S0000C 00100		UCB100L 4PT5S0000C 00100			
125A	UCB100L 2PT5S0000C 00125		UCB100L 3PT5S0000C 00125		UCB100L 4PT5S0000C 00125				

- Adjustable thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit [EA]	Code	Unit [EA]	Code	Unit [EA]		
UCB100H 42kA	15A	UCB100H 2PT4S0000C 00015F		UCB100H 3PT4S0000C 00015F		UCB100H 4PT4S0000C 00015F		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UCB100H 2PT4S0000C 00016F		UCB100H 3PT4S0000C 00016F		UCB100H 4PT4S0000C 00016F			
	20A	UCB100H 2PT4S0000C 00020F		UCB100H 3PT4S0000C 00020F		UCB100H 4PT4S0000C 00020F			
	25A	UCB100H 2PT4S0000C 00025F		UCB100H 3PT4S0000C 00025F		UCB100H 4PT4S0000C 00025F			
	30A	UCB100H 2PT4S0000C 00030F		UCB100H 3PT4S0000C 00030F		UCB100H 4PT4S0000C 00030F			
	32A	UCB100H 2PT4S0000C 00032F		UCB100H 3PT4S0000C 00032F		UCB100H 4PT4S0000C 00032F			
	40A	UCB100H 2PT4S0000C 00040F		UCB100H 3PT4S0000C 00040F		UCB100H 4PT4S0000C 00040F			
	50A	UCB100H 2PT4S0000C 00050F		UCB100H 3PT4S0000C 00050F		UCB100H 4PT4S0000C 00050F			
	60A	UCB100H 2PT4S0000C 00060F		UCB100H 3PT4S0000C 00060F		UCB100H 4PT4S0000C 00060F			
	63A	UCB100H 2PT4S0000C 00063F		UCB100H 3PT4S0000C 00063F		UCB100H 4PT4S0000C 00063F			
	75A	UCB100H 2PT4S0000C 00075F		UCB100H 3PT4S0000C 00075F		UCB100H 4PT4S0000C 00075F			
	80A	UCB100H 2PT4S0000C 00080F		UCB100H 3PT4S0000C 00080F		UCB100H 4PT4S0000C 00080F			
	100A	UCB100H 2PT4S0000C 00100F		UCB100H 3PT4S0000C 00100F		UCB100H 4PT4S0000C 00100F			
125A	UCB100H 2PT4S0000C 00125F		UCB100H 3PT4S0000C 00125F		UCB100H 4PT4S0000C 00125F				
UCB100L 50kA	15A	UCB100L 2PT4S0000C 00015F		UCB100L 3PT4S0000C 00015F		UCB100L 4PT4S0000C 00015F			
	16A	UCB100L 2PT4S0000C 00016F		UCB100L 3PT4S0000C 00016F		UCB100L 4PT4S0000C 00016F			
	20A	UCB100L 2PT4S0000C 00020F		UCB100L 3PT4S0000C 00020F		UCB100L 4PT4S0000C 00020F			
	25A	UCB100L 2PT4S0000C 00025F		UCB100L 3PT4S0000C 00025F		UCB100L 4PT4S0000C 00025F			
	30A	UCB100L 2PT4S0000C 00030F		UCB100L 3PT4S0000C 00030F		UCB100L 4PT4S0000C 00030F			
	32A	UCB100L 2PT4S0000C 00032F		UCB100L 3PT4S0000C 00032F		UCB100L 4PT4S0000C 00032F			
	40A	UCB100L 2PT4S0000C 00040F		UCB100L 3PT4S0000C 00040F		UCB100L 4PT4S0000C 00040F			
	50A	UCB100L 2PT4S0000C 00050F		UCB100L 3PT4S0000C 00050F		UCB100L 4PT4S0000C 00050F			
	60A	UCB100L 2PT4S0000C 00060F		UCB100L 3PT4S0000C 00060F		UCB100L 4PT4S0000C 00060F			
	63A	UCB100L 2PT4S0000C 00063F		UCB100L 3PT4S0000C 00063F		UCB100L 4PT4S0000C 00063F			
	75A	UCB100L 2PT4S0000C 00075F		UCB100L 3PT4S0000C 00075F		UCB100L 4PT4S0000C 00075F			
	80A	UCB100L 2PT4S0000C 00080F		UCB100L 3PT4S0000C 00080F		UCB100L 4PT4S0000C 00080F			
	100A	UCB100L 2PT4S0000C 00100F		UCB100L 3PT4S0000C 00100F		UCB100L 4PT4S0000C 00100F			
125A	UCB100L 2PT4S0000C 00125F		UCB100L 3PT4S0000C 00125F		UCB100L 4PT4S0000C 00125F				

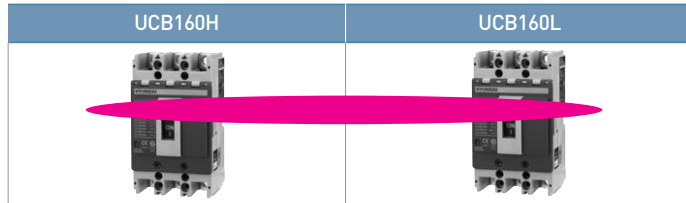
50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit [EA]	Code	Unit [EA]	Code	Unit [EA]		
UCB100H 42kA	15A	UCB100H 2PT5S0000C 00015F		UCB100H 3PT5S0000C 00015F		UCB100H 4PT5S0000C 00015F		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UCB100H 2PT5S0000C 00016F		UCB100H 3PT5S0000C 00016F		UCB100H 4PT5S0000C 00016F			
	20A	UCB100H 2PT5S0000C 00020F		UCB100H 3PT5S0000C 00020F		UCB100H 4PT5S0000C 00020F			
	25A	UCB100H 2PT5S0000C 00025F		UCB100H 3PT5S0000C 00025F		UCB100H 4PT5S0000C 00025F			
	30A	UCB100H 2PT5S0000C 00030F		UCB100H 3PT5S0000C 00030F		UCB100H 4PT5S0000C 00030F			
	32A	UCB100H 2PT5S0000C 00032F		UCB100H 3PT5S0000C 00032F		UCB100H 4PT5S0000C 00032F			
	40A	UCB100H 2PT5S0000C 00040F		UCB100H 3PT5S0000C 00040F		UCB100H 4PT5S0000C 00040F			
	50A	UCB100H 2PT5S0000C 00050F		UCB100H 3PT5S0000C 00050F		UCB100H 4PT5S0000C 00050F			
	60A	UCB100H 2PT5S0000C 00060F		UCB100H 3PT5S0000C 00060F		UCB100H 4PT5S0000C 00060F			
	63A	UCB100H 2PT5S0000C 00063F		UCB100H 3PT5S0000C 00063F		UCB100H 4PT5S0000C 00063F			
	75A	UCB100H 2PT5S0000C 00075F		UCB100H 3PT5S0000C 00075F		UCB100H 4PT5S0000C 00075F			
	80A	UCB100H 2PT5S0000C 00080F		UCB100H 3PT5S0000C 00080F		UCB100H 4PT5S0000C 00080F			
	100A	UCB100H 2PT5S0000C 00100F		UCB100H 3PT5S0000C 00100F		UCB100H 4PT5S0000C 00100F			
125A	UCB100H 2PT5S0000C 00125F		UCB100H 3PT5S0000C 00125F		UCB100H 4PT5S0000C 00125F				
UCB100L 50kA	15A	UCB100L 2PT5S0000C 00015F		UCB100L 3PT5S0000C 00015F		UCB100L 4PT5S0000C 00015F			
	16A	UCB100L 2PT5S0000C 00016F		UCB100L 3PT5S0000C 00016F		UCB100L 4PT5S0000C 00016F			
	20A	UCB100L 2PT5S0000C 00020F		UCB100L 3PT5S0000C 00020F		UCB100L 4PT5S0000C 00020F			
	25A	UCB100L 2PT5S0000C 00025F		UCB100L 3PT5S0000C 00025F		UCB100L 4PT5S0000C 00025F			
	30A	UCB100L 2PT5S0000C 00030F		UCB100L 3PT5S0000C 00030F		UCB100L 4PT5S0000C 00030F			
	32A	UCB100L 2PT5S0000C 00032F		UCB100L 3PT5S0000C 00032F		UCB100L 4PT5S0000C 00032F			
	40A	UCB100L 2PT5S0000C 00040F		UCB100L 3PT5S0000C 00040F		UCB100L 4PT5S0000C 00040F			
	50A	UCB100L 2PT5S0000C 00050F		UCB100L 3PT5S0000C 00050F		UCB100L 4PT5S0000C 00050F			
	60A	UCB100L 2PT5S0000C 00060F		UCB100L 3PT5S0000C 00060F		UCB100L 4PT5S0000C 00060F			
	63A	UCB100L 2PT5S0000C 00063F		UCB100L 3PT5S0000C 00063F		UCB100L 4PT5S0000C 00063F			
	75A	UCB100L 2PT5S0000C 00075F		UCB100L 3PT5S0000C 00075F		UCB100L 4PT5S0000C 00075F			
	80A	UCB100L 2PT5S0000C 00080F		UCB100L 3PT5S0000C 00080F		UCB100L 4PT5S0000C 00080F			
	100A	UCB100L 2PT5S0000C 00100F		UCB100L 3PT5S0000C 00100F		UCB100L 4PT5S0000C 00100F			
125A	UCB100L 2PT5S0000C 00125F		UCB100L 3PT5S0000C 00125F		UCB100L 4PT5S0000C 00125F				

# Specifications and Standard Order Codes

## | UCB type / 160AF |

UCB160H 42kA  
UCB160L 50kA



		UCB160H	UCB160L	
Number of poles (P)		*2, 3, 4		
Degree of protection (with terminal cover)		IP20		
Utilization category		A		
Suitability of isolation		O		
Protection		overload, inst., short-circuit		
Rating	Rated current [A]	100, 125, 160		
	Rated insulation voltage [Ui] [V]	AC690		
	Rated operational voltage [Ue] [V]	AC660		
	Rated impulse withstand voltage [Uimp] [kV]	DC250		
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [Icu] (kA r.m.s.)	AC600/660V, 50-60Hz	20	25
		AC480/500V, 50-60Hz	30	35
		AC440/460V, 50-60Hz	42	50
		AC380/415V, 50-60Hz	<b>42</b>	<b>50</b>
		AC220/240V, 50-60Hz	85	100
		DC250V	25	40
	DC125V	40	60	
Service [Ics] % of [Icu]	50			
Trip mechanism & Protection characteristics	Thermal	Fixed thermal, Fixed instantaneous	INST	O
		Adjustable thermal, Fixed instantaneous	LTD	10×In
	Magnetic	Adjustable thermal, Fixed instantaneous	LTD	[0.8-0.9-1]×In
		Fixed thermal, Fixed instantaneous	INST	10×In
Mounting	Direct mounting by screw		O	
	Plug-in	for Switchboard	Both line & load side	O <sup>1)</sup>
		for Distribution board	Line side only	O <sup>1)</sup>
Terminal connection		Screw	O	
		Bus bar	O	
Durability (times)	Mechanical operation		25,000	
	Electrical operation		10,000	
Dimensions (mm)		2/3/4P	a Width	105 <sup>2)</sup> /105/140
			b Height	165
			c Depth	60
			d	84.5
Weight (kg, breaker only)		2/3/4P	1.1/1.3/1.6	

\* - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker

2) \*2P breaker has same dimension with 3P breaker, but the middle pole is removed.

## | Accessories |

### • Signal

Auxiliary switch	1ab, Right-hand-side	2ab, Right-hand-side				
	AUX 12FG R1	AUX 12FG R2				
Trip alarm switch	1ab, Right-hand-side	1ab, Left-hand-side				
	ALT 12FG R1	ALT 12FG L1				
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 12FG A	SHT 12FG C	SHT 12FG F	SHT 12FG H	SHT 12FG B	SHT 12FG D
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	UVT 12FG J	UVT 12FG L	UVT 12FG N	UVT 12FG P	UVT 12FG Q	UVT 12FG R

\* 1) The permissible operating voltage: 85-110% of rated voltage for AC, 75-125% for DC

2) The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)  
The tripping voltage: 20-70% of rated voltage(AC/DC)

• Operating

Operating handle <sup>1)</sup>	Power supply direction	Upper	Right	Left	
	Surface	S type	TFG 20UGS U4	TFG 20UGS R4	TFG 20UGS L4
		L type	TFG 20UGL U4	—	TFG 20UGL L4
	Extended	S type	TFH 20UGS		
L type		TFH 20UGL			
Motor operator <sup>2)</sup>		DC24V	AC/DC110V	AC/DC220V	
		MOT 20G DC24	MOT 20G ADC110	MOT 20G ADC220	

※ 1) For detail type information, please refer to page no. 191-199.

2) Motor operator is not recommended for marine application.

• Mounting

Plug-in	Structure	For both line & load side	For line side only
	Mounting base	TDM 20CF <sup>1)</sup>	TDM 20CF
	Connection block	2C contact	CBM 20C 2
5C contact		CBM 20C 5	—

※ Available for 3P breaker

Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.

1) 2EA are required for both line & load side plug-in type 3P breaker.

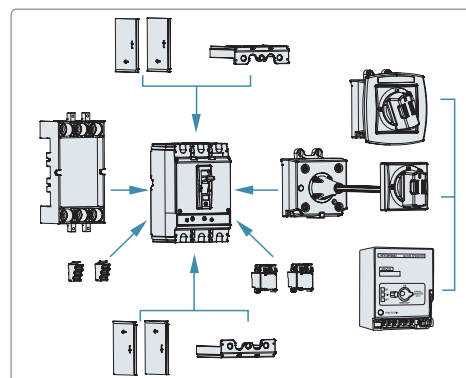
• Terminal

Terminal bus bar	2 pole (4EA/SET)	3 pole (6EA/SET)	4 pole (8EA/SET)
	TBB 20C 2	TBB 20C 3	TBB 20C 4
Cage terminal block	3EA/SET	6EA/SET	
	CTB 3S250	CTB 6S250	
Terminal cover <sup>1)</sup>	2 pole	3 pole	4 pole
	TCF 20GP 3	TCF 20GP 3	TCF 20GP 4
Interpole barrier <sup>2)</sup>	2EA/SET	—	
	TQQ 12FG	—	

※ 1) For both line and load side of MCCB, 2EA shall be ordered.

2) Supplied as standard component

Required quantity for both line and load side of MCCB: 2 pole 4EA, 3 pole 4EA, 4 pole 6EA



| Standard order code and unit |

• Fixed thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB160H 42kA	100A	UCB160H 2PT4S0000C 00100		UCB160H 3PT4S0000C 00100		UCB160H 4PT4S0000C 00100		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	125A	UCB160H 2PT4S0000C 00125		UCB160H 3PT4S0000C 00125		UCB160H 4PT4S0000C 00125			
	160A	UCB160H 2PT4S0000C 00160		UCB160H 3PT4S0000C 00160		UCB160H 4PT4S0000C 00160			
UCB160L 50kA	100A	UCB160L 2PT4S0000C 00100		UCB160L 3PT4S0000C 00100		UCB160L 4PT4S0000C 00100			
	125A	UCB160L 2PT4S0000C 00125		UCB160L 3PT4S0000C 00125		UCB160L 4PT4S0000C 00125			
	160A	UCB160L 2PT4S0000C 00160		UCB160L 3PT4S0000C 00160		UCB160L 4PT4S0000C 00160			

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB160H 42kA	100A	UCB160H 2PT5S0000C 00100		UCB160H 3PT5S0000C 00100		UCB160H 4PT5S0000C 00100		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	125A	UCB160H 2PT5S0000C 00125		UCB160H 3PT5S0000C 00125		UCB160H 4PT5S0000C 00125			
	160A	UCB160H 2PT5S0000C 00160		UCB160H 3PT5S0000C 00160		UCB160H 4PT5S0000C 00160			
UCB160L 50kA	100A	UCB160L 2PT5S0000C 00100		UCB160L 3PT5S0000C 00100		UCB160L 4PT5S0000C 00100			
	125A	UCB160L 2PT5S0000C 00125		UCB160L 3PT5S0000C 00125		UCB160L 4PT5S0000C 00125			
	160A	UCB160L 2PT5S0000C 00160		UCB160L 3PT5S0000C 00160		UCB160L 4PT5S0000C 00160			

• Adjustable thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB160H 42kA	100A	UCB160H 2PT4S0000C 00100F		UCB160H 3PT4S0000C 00100F		UCB160H 4PT4S0000C 00100F		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	125A	UCB160H 2PT4S0000C 00125F		UCB160H 3PT4S0000C 00125F		UCB160H 4PT4S0000C 00125F			
	160A	UCB160H 2PT4S0000C 00160F		UCB160H 3PT4S0000C 00160F		UCB160H 4PT4S0000C 00160F			
UCB160L 50kA	100A	UCB160L 2PT4S0000C 00100F		UCB160L 3PT4S0000C 00100F		UCB160L 4PT4S0000C 00100F			
	125A	UCB160L 2PT4S0000C 00125F		UCB160L 3PT4S0000C 00125F		UCB160L 4PT4S0000C 00125F			
	160A	UCB160L 2PT4S0000C 00160F		UCB160L 3PT4S0000C 00160F		UCB160L 4PT4S0000C 00160F			

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB160H 42kA	100A	UCB160H 2PT5S0000C 00100F		UCB160H 3PT5S0000C 00100F		UCB160H 4PT5S0000C 00100F		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	125A	UCB160H 2PT5S0000C 00125F		UCB160H 3PT5S0000C 00125F		UCB160H 4PT5S0000C 00125F			
	160A	UCB160H 2PT5S0000C 00160F		UCB160H 3PT5S0000C 00160F		UCB160H 4PT5S0000C 00160F			
UCB160L 50kA	100A	UCB160L 2PT5S0000C 00100F		UCB160L 3PT5S0000C 00100F		UCB160L 4PT5S0000C 00100F			
	125A	UCB160L 2PT5S0000C 00125F		UCB160L 3PT5S0000C 00125F		UCB160L 4PT5S0000C 00125F			
	160A	UCB160L 2PT5S0000C 00160F		UCB160L 3PT5S0000C 00160F		UCB160L 4PT5S0000C 00160F			

# Specifications and Standard Order Codes

## | UCB type / 250AF |

UCB250R 25 / 18kA  
 UCB250S 35 / 25kA  
 UCB250N 45 / 36k



		UCB250R	UCB250S	UCB250N	
Number of poles (P)		*2, 3, 4			
Degree of protection (with terminal cover)		IP20			
Utilization category		A			
Suitability of isolation		O			
Protection		overload, inst., short-circuit			
Rating	Rated current (A)	125,150,160,175,200,225,250			
	Rated insulation voltage [Ui] (V)	AC690			
	Rated operational voltage [Ue] (V)	AC660			
	Rated impulse withstand voltage [Uimp] (kV)	DC250			
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [Icu] (kA r.m.s.)	AC600/660V, 50-60Hz	7.5	10	18
		AC480/500V, 50-60Hz	10	14	25
		AC440/460V, 50-60Hz	18	25	35
		AC380/415V, 50-60Hz	<b>25/18</b>	<b>35/25</b>	<b>42/36</b>
		AC220/240V, 50-60Hz	35	50	65
	DC250V	10	14	18	
	DC125V	15	20	25	
Service [Ics]	% of [Icu]	50			
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal, Fixed instantaneous	INST	O	
		Adjustable thermal, Fixed instantaneous	LTD	10×In	
			LTD	[0.8-0.9-1]×In	
			INST	10×In	
Mounting	Direct mounting by screw		O		
	Plug-in	for Switchboard	Both line & load side	O <sup>1)</sup>	
			Line side only	O <sup>1)</sup>	
	for Distribution board		O <sup>1)</sup>		
Terminal connection	Screw		O		
	Bus bar		O		
Durability (times)	Mechanical operation		25,000		
	Electrical operation		10,000		
Dimensions (mm)		2/3/4P	a	Width	105 <sup>2)</sup> /105/140
			b	Height	164
			c	Depth	60
			d		84
Weight (kg, breaker only)		2/3/4P	1.1/1.2/1.5		

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker

2) \*2P breaker has same dimension with 3P breaker, but the middle pole is removed.

## Accessories

### • Signal

Auxiliary switch	1ab, Left-hand-side					
	AUX 20C L1					
Trip alarm switch	1ab, Left-hand-side					
	ALT 20C L1					
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 20C A	SHT 20C C	SHT 20C F	SHT 20C H		
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	UVT 20C J	UVT 20C L	UVT 20C N	UVT 20C P	UVT 20C Q	UVT 20C R

- ※ 1) The permissible operating voltage: 85-110% of rated voltage for AC , 75-125% for DC  
 2) The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)  
 The tripping voltage: 20-70% of rated voltage(AC/DC)

### • Operating

Operating handle <sup>1)</sup>	Power supply direction		Upper	Right	Left
	Surface	S type	TFG 20CS U4	TFG 20CS R4	TFG 20CS L4
		L type	TFG 20CL U4	—	TFG 20CL L4
	Extended	S type	TFH 20CS		
L type		TFH 20CL			
Motor operator <sup>2)</sup>	DC24V		AC/DC110V	AC/DC220V	
	MOT 20C DC24		MOT 20C ADC110	MOT 20C ADC220	

- ※ 1) For detail type information, please refer to page no. 191-199.  
 2) Motor operator is not recommended for marine application.

### • Mounting

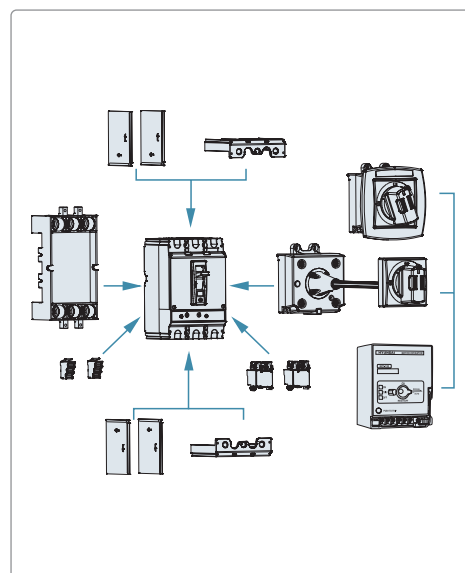
Plug-in	Structure		For both line & load side	For line side only
	Mounting base		TDM 20CF <sup>1)</sup>	TDM 20CF
	Connection block	2C contact	CBM 20C 2	—
		5C contact	CBM 20C 5	—

- ※ Available for 3P breaker  
 Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.  
 1) 2EA are required for both line & load side plug-in type 3 pole MCCB.

### • Terminal

Terminal bus bar	2 pole (4EA/SET)	3 pole (6EA/SET)	4 pole (8EA/SET)
	TBB 20C 2	TBB 20C 3	TBB 20C 4
Cage terminal block	3EA/SET	6EA/SET	
	CTB 3S250	CTB 6S250	
Terminal cover <sup>1)</sup>	2 pole	3 pole	4 pole
	TCF 20CP 3	TCF 20CP 3	TCF 20CP 4
Interpole barrier <sup>2)</sup>	2EA/SET	TQQ 20C	

- ※ 1) For both line and load side of MCCB, 2EA shall be ordered.  
 2) Supplied as standard component  
 Required quantity for both line and load side of MCCB: 2 pole 4EA, 3 pole 4EA, 4 pole 6EA





# Specifications and Standard Order Codes

## | Standard order code and unit / UCB type - Thermal magnetic |

- Fixed thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB250R 25/18kA	125A	UCB250R 2PT4S0000C 00125		UCB250R 3PT4S0000C 00125		UCB250R 4PT4S0000C 00125		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	150A	UCB250R 2PT4S0000C 00150		UCB250R 3PT4S0000C 00150		UCB250R 4PT4S0000C 00150			
	160A	UCB250R 2PT4S0000C 00160		UCB250R 3PT4S0000C 00160		UCB250R 4PT4S0000C 00160			
	175A	UCB250R 2PT4S0000C 00175		UCB250R 3PT4S0000C 00175		UCB250R 4PT4S0000C 00175			
	200A	UCB250R 2PT4S0000C 00200		UCB250R 3PT4S0000C 00200		UCB250R 4PT4S0000C 00200			
	225A	UCB250R 2PT4S0000C 00225		UCB250R 3PT4S0000C 00225		UCB250R 4PT4S0000C 00225			
	250A	UCB250R 2PT4S0000C 00250		UCB250R 3PT4S0000C 00250		UCB250R 4PT4S0000C 00250			
UCB250S 35/25kA	125A	UCB250S 2PT4S0000C 00125		UCB250S 3PT4S0000C 00125		UCB250S 4PT4S0000C 00125			
	150A	UCB250S 2PT4S0000C 00150		UCB250S 3PT4S0000C 00150		UCB250S 4PT4S0000C 00150			
	160A	UCB250S 2PT4S0000C 00160		UCB250S 3PT4S0000C 00160		UCB250S 4PT4S0000C 00160			
	175A	UCB250S 2PT4S0000C 00175		UCB250S 3PT4S0000C 00175		UCB250S 4PT4S0000C 00175			
	200A	UCB250S 2PT4S0000C 00200		UCB250S 3PT4S0000C 00200		UCB250S 4PT4S0000C 00200			
	225A	UCB250S 2PT4S0000C 00225		UCB250S 3PT4S0000C 00225		UCB250S 4PT4S0000C 00225			
	250A	UCB250S 2PT4S0000C 00250		UCB250S 3PT4S0000C 00250		UCB250S 4PT4S0000C 00250			
UCB250N 42/36kA	125A	UCB250N 2PT4S0000C 00125		UCB250N 3PT4S0000C 00125		UCB250N 4PT4S0000C 00125			
	150A	UCB250N 2PT4S0000C 00150		UCB250N 3PT4S0000C 00150		UCB250N 4PT4S0000C 00150			
	160A	UCB250N 2PT4S0000C 00160		UCB250N 3PT4S0000C 00160		UCB250N 4PT4S0000C 00160			
	175A	UCB250N 2PT4S0000C 00175		UCB250N 3PT4S0000C 00175		UCB250N 4PT4S0000C 00175			
	200A	UCB250N 2PT4S0000C 00200		UCB250N 3PT4S0000C 00200		UCB250N 4PT4S0000C 00200			
	225A	UCB250N 2PT4S0000C 00225		UCB250N 3PT4S0000C 00225		UCB250N 4PT4S0000C 00225			
	250A	UCB250N 2PT4S0000C 00250		UCB250N 3PT4S0000C 00250		UCB250N 4PT4S0000C 00250			

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB250R 25/18kA	125A	UCB250R 2PT5S0000C 00125		UCB250R 3PT5S0000C 00125		UCB250R 4PT5S0000C 00125		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	150A	UCB250R 2PT5S0000C 00150		UCB250R 3PT5S0000C 00150		UCB250R 4PT5S0000C 00150			
	160A	UCB250R 2PT5S0000C 00160		UCB250R 3PT5S0000C 00160		UCB250R 4PT5S0000C 00160			
	175A	UCB250R 2PT5S0000C 00175		UCB250R 3PT5S0000C 00175		UCB250R 4PT5S0000C 00175			
	200A	UCB250R 2PT5S0000C 00200		UCB250R 3PT5S0000C 00200		UCB250R 4PT5S0000C 00200			
	225A	UCB250R 2PT5S0000C 00225		UCB250R 3PT5S0000C 00225		UCB250R 4PT5S0000C 00225			
	250A	UCB250R 2PT5S0000C 00250		UCB250R 3PT5S0000C 00250		UCB250R 4PT5S0000C 00250			
UCB250S 35/25kA	125A	UCB250S 2PT5S0000C 00125		UCB250S 3PT5S0000C 00125		UCB250S 4PT5S0000C 00125			
	150A	UCB250S 2PT5S0000C 00150		UCB250S 3PT5S0000C 00150		UCB250S 4PT5S0000C 00150			
	160A	UCB250S 2PT5S0000C 00160		UCB250S 3PT5S0000C 00160		UCB250S 4PT5S0000C 00160			
	175A	UCB250S 2PT5S0000C 00175		UCB250S 3PT5S0000C 00175		UCB250S 4PT5S0000C 00175			
	200A	UCB250S 2PT5S0000C 00200		UCB250S 3PT5S0000C 00200		UCB250S 4PT5S0000C 00200			
	225A	UCB250S 2PT5S0000C 00225		UCB250S 3PT5S0000C 00225		UCB250S 4PT5S0000C 00225			
	250A	UCB250S 2PT5S0000C 00250		UCB250S 3PT5S0000C 00250		UCB250S 4PT5S0000C 00250			
UCB250N 42/36kA	125A	UCB250N 2PT5S0000C 00125		UCB250N 3PT5S0000C 00125		UCB250N 4PT5S0000C 00125			
	150A	UCB250N 2PT5S0000C 00150		UCB250N 3PT5S0000C 00150		UCB250N 4PT5S0000C 00150			
	160A	UCB250N 2PT5S0000C 00160		UCB250N 3PT5S0000C 00160		UCB250N 4PT5S0000C 00160			
	175A	UCB250N 2PT5S0000C 00175		UCB250N 3PT5S0000C 00175		UCB250N 4PT5S0000C 00175			
	200A	UCB250N 2PT5S0000C 00200		UCB250N 3PT5S0000C 00200		UCB250N 4PT5S0000C 00200			
	225A	UCB250N 2PT5S0000C 00225		UCB250N 3PT5S0000C 00225		UCB250N 4PT5S0000C 00225			
	250A	UCB250N 2PT5S0000C 00250		UCB250N 3PT5S0000C 00250		UCB250N 4PT5S0000C 00250			

- Adjustable thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB250R 25/18kA	125A	UCB250R 2PT4S0000C 00125F		UCB250R 3PT4S0000C 00125F		UCB250R 4PT4S0000C 00125F		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	150A	UCB250R 2PT4S0000C 00150F		UCB250R 3PT4S0000C 00150F		UCB250R 4PT4S0000C 00150F			
	160A	UCB250R 2PT4S0000C 00160F		UCB250R 3PT4S0000C 00160F		UCB250R 4PT4S0000C 00160F			
	175A	UCB250R 2PT4S0000C 00175F		UCB250R 3PT4S0000C 00175F		UCB250R 4PT4S0000C 00175F			
	200A	UCB250R 2PT4S0000C 00200F		UCB250R 3PT4S0000C 00200F		UCB250R 4PT4S0000C 00200F			
	225A	UCB250R 2PT4S0000C 00225F		UCB250R 3PT4S0000C 00225F		UCB250R 4PT4S0000C 00225F			
250A	UCB250R 2PT4S0000C 00250F		UCB250R 3PT4S0000C 00250F		UCB250R 4PT4S0000C 00250F				
UCB250S 35/25kA	125A	UCB250S 2PT4S0000C 00125F		UCB250S 3PT4S0000C 00125F		UCB250S 4PT4S0000C 00125F			
	150A	UCB250S 2PT4S0000C 00150F		UCB250S 3PT4S0000C 00150F		UCB250S 4PT4S0000C 00150F			
	160A	UCB250S 2PT4S0000C 00160F		UCB250S 3PT4S0000C 00160F		UCB250S 4PT4S0000C 00160F			
	175A	UCB250S 2PT4S0000C 00175F		UCB250S 3PT4S0000C 00175F		UCB250S 4PT4S0000C 00175F			
	200A	UCB250S 2PT4S0000C 00200F		UCB250S 3PT4S0000C 00200F		UCB250S 4PT4S0000C 00200F			
	225A	UCB250S 2PT4S0000C 00225F		UCB250S 3PT4S0000C 00225F		UCB250S 4PT4S0000C 00225F			
250A	UCB250S 2PT4S0000C 00250F		UCB250S 3PT4S0000C 00250F		UCB250S 4PT4S0000C 00250F				
UCB250N 42/36kA	125A	UCB250N 2PT4S0000C 00125F		UCB250N 3PT4S0000C 00125F		UCB250N 4PT4S0000C 00125F			
	150A	UCB250N 2PT4S0000C 00150F		UCB250N 3PT4S0000C 00150F		UCB250N 4PT4S0000C 00150F			
	160A	UCB250N 2PT4S0000C 00160F		UCB250N 3PT4S0000C 00160F		UCB250N 4PT4S0000C 00160F			
	175A	UCB250N 2PT4S0000C 00175F		UCB250N 3PT4S0000C 00175F		UCB250N 4PT4S0000C 00175F			
	200A	UCB250N 2PT4S0000C 00200F		UCB250N 3PT4S0000C 00200F		UCB250N 4PT4S0000C 00200F			
	225A	UCB250N 2PT4S0000C 00225F		UCB250N 3PT4S0000C 00225F		UCB250N 4PT4S0000C 00225F			
250A	UCB250N 2PT4S0000C 00250F		UCB250N 3PT4S0000C 00250F		UCB250N 4PT4S0000C 00250F				

50°C

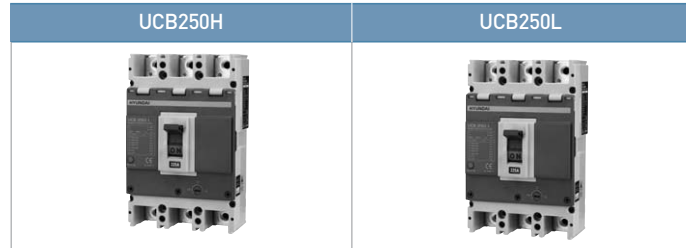
Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB250R 25/18kA	125A	UCB250R 2PT5S0000C 00125F		UCB250R 3PT5S0000C 00125F		UCB250R 4PT5S0000C 00125F		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	150A	UCB250R 2PT5S0000C 00150F		UCB250R 3PT5S0000C 00150F		UCB250R 4PT5S0000C 00150F			
	160A	UCB250R 2PT5S0000C 00160F		UCB250R 3PT5S0000C 00160F		UCB250R 4PT5S0000C 00160F			
	175A	UCB250R 2PT5S0000C 00175F		UCB250R 3PT5S0000C 00175F		UCB250R 4PT5S0000C 00175F			
	200A	UCB250R 2PT5S0000C 00200F		UCB250R 3PT5S0000C 00200F		UCB250R 4PT5S0000C 00200F			
	225A	UCB250R 2PT5S0000C 00225F		UCB250R 3PT5S0000C 00225F		UCB250R 4PT5S0000C 00225F			
250A	UCB250R 2PT5S0000C 00250F		UCB250R 3PT5S0000C 00250F		UCB250R 4PT5S0000C 00250F				
UCB250S 35/25kA	125A	UCB250S 2PT5S0000C 00125F		UCB250S 3PT5S0000C 00125F		UCB250S 4PT5S0000C 00125F			
	150A	UCB250S 2PT5S0000C 00150F		UCB250S 3PT5S0000C 00150F		UCB250S 4PT5S0000C 00150F			
	160A	UCB250S 2PT5S0000C 00160F		UCB250S 3PT5S0000C 00160F		UCB250S 4PT5S0000C 00160F			
	175A	UCB250S 2PT5S0000C 00175F		UCB250S 3PT5S0000C 00175F		UCB250S 4PT5S0000C 00175F			
	200A	UCB250S 2PT5S0000C 00200F		UCB250S 3PT5S0000C 00200F		UCB250S 4PT5S0000C 00200F			
	225A	UCB250S 2PT5S0000C 00225F		UCB250S 3PT5S0000C 00225F		UCB250S 4PT5S0000C 00225F			
250A	UCB250S 2PT5S0000C 00250F		UCB250S 3PT5S0000C 00250F		UCB250S 4PT5S0000C 00250F				
UCB250N 42/36kA	125A	UCB250N 2PT5S0000C 00125F		UCB250N 3PT5S0000C 00125F		UCB250N 4PT5S0000C 00125F			
	150A	UCB250N 2PT5S0000C 00150F		UCB250N 3PT5S0000C 00150F		UCB250N 4PT5S0000C 00150F			
	160A	UCB250N 2PT5S0000C 00160F		UCB250N 3PT5S0000C 00160F		UCB250N 4PT5S0000C 00160F			
	175A	UCB250N 2PT5S0000C 00175F		UCB250N 3PT5S0000C 00175F		UCB250N 4PT5S0000C 00175F			
	200A	UCB250N 2PT5S0000C 00200F		UCB250N 3PT5S0000C 00200F		UCB250N 4PT5S0000C 00200F			
	225A	UCB250N 2PT5S0000C 00225F		UCB250N 3PT5S0000C 00225F		UCB250N 4PT5S0000C 00225F			
250A	UCB250N 2PT5S0000C 00250F		UCB250N 3PT5S0000C 00250F		UCB250N 4PT5S0000C 00250F				

# Specifications and Standard Order Codes

## | UCB type / 250AF |

UCB250H 42kA

UCB250L 50kA



			UCB250H	UCB250L
Number of poles (P)			*2, 3, 4	
Degree of protection (with terminal cover)			IP20	
Utilization category			A	
Suitability of isolation			O	
Protection			overload, inst., short-circuit	
Rating	Rated current (A)		125, 150, 160, 175, 200, 225, 250	
	Rated insulation voltage [Ui] (V)		AC690	
	Rated operational voltage [Ue] (V)		AC660	
	Rated impulse withstand voltage [Uimp] (kV)		DC250	
Rated short-circuit breaking capacity IEC 60947-2 K 60947-2	Ultimate [Icu] (kA r.m.s.)	AC600/660V, 50-60Hz	20	25
		AC480/500V, 50-60Hz	30	35
		AC440/460V, 50-60Hz	42	50
		AC380/415V, 50-60Hz	<b>42</b>	<b>50</b>
		AC220/240V, 50-60Hz	85	100
	DC250V		25	40
	DC125V		40	60
Service [Ics] % of [Icu]		50		
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal, Fixed instantaneous	INST	O
		Adjustable thermal, Fixed instantaneous	LTD	10×In
			LTD	(0.8-0.9-1)×In
			INST	10×In
Mounting	Direct mounting by screw		O	
	Plug-in	for Switchboard	Both line & load side	O <sup>1)</sup>
			Line side only	O <sup>1)</sup>
for Distribution board		O <sup>1)</sup>		
Terminal connection	Screw		O	
	Bus bar		O	
Durability (times)	Mechanical operation		25,000	
	Electrical operation		10,000	
Dimensions (mm)		2/3/4P	a Width	105 <sup>2)</sup> /105/140
			b Height	165
			c Depth	60
			d	84.5
Weight (kg, breaker only)		2/3/4P	1.1/1.3/1.6	

※ - The breaking capacity highlighted with blue and thick type is standard nominal value for each model in this catalogue.

1) Available for 3P breaker

2) \*2P breaker has same dimension with 3P breaker, but the middle pole is removed.

## Accessories

### • Signal

Auxiliary switch	1ab, Right-hand-side	2ab, Right-hand-side				
	AUX 12FG R1	AUX 12FG R2				
Trip alarm switch	1ab, Right-hand-side	1ab, Left-hand-side				
	ALT 12FG R1	ALT 12FG L1				
Shunt trip <sup>1)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 12FG A	SHT 12FG C	SHT 12FG F	SHT 12FG H	SHT 12FG B	SHT 12FG D
Under voltage trip <sup>2)</sup>	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	UVT 12FG J	UVT 12FG L	UVT 12FG N	UVT 12FG P	UVT 12FG Q	UVT 12FG R

- ※ 1) The permissible operating voltage: 85-110% of rated voltage for AC , 75-125% for DC
- 2) The permissible operating voltage: 85-110% of rated voltage(AC), 85-125% of rated voltage(DC)  
The tripping voltage: 20-70% of rated voltage(AC/DC)

### • Operating

Operating handle <sup>1)</sup>	Power supply direction		Upper	Right	Left
	Surface	S type	TFG 20UGS U4	TFG 20UGS R4	TFG 20UGS L4
		L type	TFG 20UGL U4	—	TFG 20UGL L4
	Extended	S type	TFH 20UGS		
L type		TFH 20UGL			
Motor operator <sup>2)</sup>	DC24V		AC/DC110V	AC/DC220V	
	MOT 20G DC24		MOT 20G ADC110	MOT 20G ADC220	

- ※ 1) For detail type information, please refer to page no. 191-199.
- 2) Motor operator is not recommended for marine application.

### • Mounting

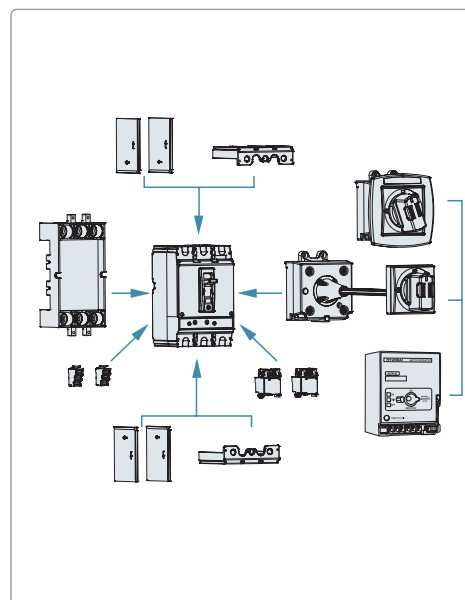
Plug-in	Structure		For both line & load side	For line side only
	Mounting base		TDM 20CF <sup>1)</sup>	TDM 20CF
	Connection block	2C contact	CBM 20C 2	—
		5C contact	CBM 20C 5	—

- ※ Available for 3P breaker
- Connection blocks are required for internal accessory installation in both line & load side plug-in type 3P breaker.
- 1) 2EA are required for both line & load side plug-in type 3 pole MCCB.

### • Terminal

Terminal bus bar	2 pole (4EA/SET)	3 pole (6EA/SET)	4 pole (8EA/SET)
	TBB 20C 2	TBB 20C 3	TBB 20C 4
Cage terminal block	3EA/SET	6EA/SET	
	CTB 3S250	CTB 6S250	
Terminal cover <sup>1)</sup>	2 pole	3 pole	4 pole
	TCF 20GP 3	TCF 20GP 3	TCF 20GP 4
Interpole barrier <sup>2)</sup>	2EA/SET	TQQ 12FG	

- ※ 1) For both line and load side of MCCB, 2EA shall be ordered.
- 2) Supplied as standard component  
Required quantity for both line and load side of MCCB: 2 pole 4EA, 3 pole 4EA, 4 pole 6EA



# Specifications and Standard Order Codes

## | Standard order code and unit |

- Fixed thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB250H 42kA	125A	UCB250H 2PT4S0000C 00125		UCB250H 3PT4S0000C 00125		UCB250H 4PT4S0000C 00125		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	150A	UCB250H 2PT4S0000C 00150		UCB250H 3PT4S0000C 00150		UCB250H 4PT4S0000C 00150			
	160A	UCB250H 2PT4S0000C 00160		UCB250H 3PT4S0000C 00160		UCB250H 4PT4S0000C 00160			
	175A	UCB250H 2PT4S0000C 00175		UCB250H 3PT4S0000C 00175		UCB250H 4PT4S0000C 00175			
	200A	UCB250H 2PT4S0000C 00200		UCB250H 3PT4S0000C 00200		UCB250H 4PT4S0000C 00200			
	225A	UCB250H 2PT4S0000C 00225		UCB250H 3PT4S0000C 00225		UCB250H 4PT4S0000C 00225			
	250A	UCB250H 2PT4S0000C 00250		UCB250H 3PT4S0000C 00250		UCB250H 4PT4S0000C 00250			
UCB250L 50kA	125A	UCB250L 2PT4S0000C 00125		UCB250L 3PT4S0000C 00125		UCB250L 4PT4S0000C 00125		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	150A	UCB250L 2PT4S0000C 00150		UCB250L 3PT4S0000C 00150		UCB250L 4PT4S0000C 00150			
	160A	UCB250L 2PT4S0000C 00160		UCB250L 3PT4S0000C 00160		UCB250L 4PT4S0000C 00160			
	175A	UCB250L 2PT4S0000C 00175		UCB250L 3PT4S0000C 00175		UCB250L 4PT4S0000C 00175			
	200A	UCB250L 2PT4S0000C 00200		UCB250L 3PT4S0000C 00200		UCB250L 4PT4S0000C 00200			
	225A	UCB250L 2PT4S0000C 00225		UCB250L 3PT4S0000C 00225		UCB250L 4PT4S0000C 00225			
	250A	UCB250L 2PT4S0000C 00250		UCB250L 3PT4S0000C 00250		UCB250L 4PT4S0000C 00250			

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB250H 42kA	125A	UCB250H 2PT5S0000C 00125		UCB250H 3PT5S0000C 00125		UCB250H 4PT5S0000C 00125		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	150A	UCB250H 2PT5S0000C 00150		UCB250H 3PT5S0000C 00150		UCB250H 4PT5S0000C 00150			
	160A	UCB250H 2PT5S0000C 00160		UCB250H 3PT5S0000C 00160		UCB250H 4PT5S0000C 00160			
	175A	UCB250H 2PT5S0000C 00175		UCB250H 3PT5S0000C 00175		UCB250H 4PT5S0000C 00175			
	200A	UCB250H 2PT5S0000C 00200		UCB250H 3PT5S0000C 00200		UCB250H 4PT5S0000C 00200			
	225A	UCB250H 2PT5S0000C 00225		UCB250H 3PT5S0000C 00225		UCB250H 4PT5S0000C 00225			
	250A	UCB250H 2PT5S0000C 00250		UCB250H 3PT5S0000C 00250		UCB250H 4PT5S0000C 00250			
UCB250L 50kA	125A	UCB250L 2PT5S0000C 00125		UCB250L 3PT5S0000C 00125		UCB250L 4PT5S0000C 00125		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	150A	UCB250L 2PT5S0000C 00150		UCB250L 3PT5S0000C 00150		UCB250L 4PT5S0000C 00150			
	160A	UCB250L 2PT5S0000C 00160		UCB250L 3PT5S0000C 00160		UCB250L 4PT5S0000C 00160			
	175A	UCB250L 2PT5S0000C 00175		UCB250L 3PT5S0000C 00175		UCB250L 4PT5S0000C 00175			
	200A	UCB250L 2PT5S0000C 00200		UCB250L 3PT5S0000C 00200		UCB250L 4PT5S0000C 00200			
	225A	UCB250L 2PT5S0000C 00225		UCB250L 3PT5S0000C 00225		UCB250L 4PT5S0000C 00225			
	250A	UCB250L 2PT5S0000C 00250		UCB250L 3PT5S0000C 00250		UCB250L 4PT5S0000C 00250			

- Adjustable thermal & fixed instantaneous / Thermal magnetic trip

40/45°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB250H 42kA	125A	UCB250H 2PT4S0000C 00125F		UCB250H 3PT4S0000C 00125F		UCB250H 4PT4S0000C 00125F		40/45°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	150A	UCB250H 2PT4S0000C 00150F		UCB250H 3PT4S0000C 00150F		UCB250H 4PT4S0000C 00150F			
	160A	UCB250H 2PT4S0000C 00160F		UCB250H 3PT4S0000C 00160F		UCB250H 4PT4S0000C 00160F			
	175A	UCB250H 2PT4S0000C 00175F		UCB250H 3PT4S0000C 00175F		UCB250H 4PT4S0000C 00175F			
	200A	UCB250H 2PT4S0000C 00200F		UCB250H 3PT4S0000C 00200F		UCB250H 4PT4S0000C 00200F			
	225A	UCB250H 2PT4S0000C 00225F		UCB250H 3PT4S0000C 00225F		UCB250H 4PT4S0000C 00225F			
	250A	UCB250H 2PT4S0000C 00250F		UCB250H 3PT4S0000C 00250F		UCB250H 4PT4S0000C 00250F			
UCB250L 50kA	125A	UCB250L 2PT4S0000C 00125F		UCB250L 3PT4S0000C 00125F		UCB250L 4PT4S0000C 00125F			
	150A	UCB250L 2PT4S0000C 00150F		UCB250L 3PT4S0000C 00150F		UCB250L 4PT4S0000C 00150F			
	160A	UCB250L 2PT4S0000C 00160F		UCB250L 3PT4S0000C 00160F		UCB250L 4PT4S0000C 00160F			
	175A	UCB250L 2PT4S0000C 00175F		UCB250L 3PT4S0000C 00175F		UCB250L 4PT4S0000C 00175F			
	200A	UCB250L 2PT4S0000C 00200F		UCB250L 3PT4S0000C 00200F		UCB250L 4PT4S0000C 00200F			
	225A	UCB250L 2PT4S0000C 00225F		UCB250L 3PT4S0000C 00225F		UCB250L 4PT4S0000C 00225F			
	250A	UCB250L 2PT4S0000C 00250F		UCB250L 3PT4S0000C 00250F		UCB250L 4PT4S0000C 00250F			

50°C

Model / Breaking capacity at AC380 / 415V	Rated current	2 pole		3 pole		4 pole		Specification	Category
		Code	Unit (EA)	Code	Unit (EA)	Code	Unit (EA)		
UCB250H 42kA	125A	UCB250H 2PT5S0000C 00125F		UCB250H 3PT5S0000C 00125F		UCB250H 4PT5S0000C 00125F		50°C, Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	150A	UCB250H 2PT5S0000C 00150F		UCB250H 3PT5S0000C 00150F		UCB250H 4PT5S0000C 00150F			
	160A	UCB250H 2PT5S0000C 00160F		UCB250H 3PT5S0000C 00160F		UCB250H 4PT5S0000C 00160F			
	175A	UCB250H 2PT5S0000C 00175F		UCB250H 3PT5S0000C 00175F		UCB250H 4PT5S0000C 00175F			
	200A	UCB250H 2PT5S0000C 00200F		UCB250H 3PT5S0000C 00200F		UCB250H 4PT5S0000C 00200F			
	225A	UCB250H 2PT5S0000C 00225F		UCB250H 3PT5S0000C 00225F		UCB250H 4PT5S0000C 00225F			
	250A	UCB250H 2PT5S0000C 00250F		UCB250H 3PT5S0000C 00250F		UCB250H 4PT5S0000C 00250F			
UCB250L 50kA	125A	UCB250L 2PT5S0000C 00125F		UCB250L 3PT5S0000C 00125F		UCB250L 4PT5S0000C 00125F			
	150A	UCB250L 2PT5S0000C 00150F		UCB250L 3PT5S0000C 00150F		UCB250L 4PT5S0000C 00150F			
	160A	UCB250L 2PT5S0000C 00160F		UCB250L 3PT5S0000C 00160F		UCB250L 4PT5S0000C 00160F			
	175A	UCB250L 2PT5S0000C 00175F		UCB250L 3PT5S0000C 00175F		UCB250L 4PT5S0000C 00175F			
	200A	UCB250L 2PT5S0000C 00200F		UCB250L 3PT5S0000C 00200F		UCB250L 4PT5S0000C 00200F			
	225A	UCB250L 2PT5S0000C 00225F		UCB250L 3PT5S0000C 00225F		UCB250L 4PT5S0000C 00225F			
	250A	UCB250L 2PT5S0000C 00250F		UCB250L 3PT5S0000C 00250F		UCB250L 4PT5S0000C 00250F			