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		Width	Height	Depth
									Fixed	Adjustable			
30	UAB30C	2, 3	3, 5, 10, 15, 20, 30	10	7.5/5	5	2.5	○	–	–	50/75	130	60
	UAB30R	2, 3	5, 10, 15, 20, 30	25	14/10	10	5	○	–	–			
50	UAB50C	2, 3, 4	5, 10, 15, 20, 30, 40, 50	10	7.5/5	5	2.5	○	–	–	50/75/100	130	60
	UAB50R	2, 3, 4	5, 10, 15, 20, 30, 40, 50	25	14/10	10	5	○	–	–			
	UAB50S	2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50	42	25	21	7.5	–	○	○ 1)			
	UAB50H	2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50	50	30	25	10	–	○	○ 1)			
60	UAB60C	2, 3, 4	5, 10, 15, 20, 30, 40, 50, 60	10	7.5/5	5	2.5	○	–	-			
	UAB60R	2, 3, 4	5, 10, 15, 20, 30, 40, 50, 60	25	14/10	10	5	○	–	–			
100	UAB100C	2, 3, 4	5, 10, 15, 20, 30, 40, 50, 60, 75, 100	25	14/10	10	5	○	–	–			
	UAB100R	2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100	42	25	21	7.5	–	○	○ 1)			
	UAB100S	2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100	50	30	25	10	–	○	○ 1)			

※ - 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 |

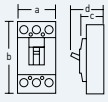
Ampere frame	Model	Number of poles	Rated current (A)	Breaking capacity [Icu] (kA r.m.s.)				Trip mechanism & Characteristics			Dimensions (mm)		
				AC220V AC240V	AC380V AC415V	AC440V AC460V	AC600V AC660V	Thermal magnetic		Electronic	Width	Height	Depth
								Fixed	Adjustable				
50	UCB50R	2, 3, 4	15, 20, 30, 40, 50	50	30/25	25	10	○	–	–	60/90/120	155	60
	UCB50H	∗2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50	85	42	42	20	○	○	–	90/90/120	155	60
	UCB50L	∗2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50	100	50	50	25	○	○	–			
125	UCB100R	2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100, 125	50	30/25	25	10	○	○	–	60/90/120	155	60
	UCB100S	2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100, 125	65	42/36	35	18	○	○	–			
	UCB100H	∗2, 3, 4	15, 16, 20, 25, 30, 32, 40, 50, 60, 63, 75, 80, 100, 125	85	42	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	50	50	25	○	○	–			
160	UCB160H	∗2, 3, 4	100, 125, 160	85	42	42	20	○	○	–	105/105/140	165	60
	UCB160L	∗2, 3, 4	100, 125, 160	100	50	50	25	○	○	–			
250	UCB250R	∗2, 3, 4	100, 125, 150, 160, 175, 200, 225, 250	35	25/18	18	7.5	○	○	–	105/105/140	164	60
	UCB250S	∗2, 3, 4	100, 125, 150, 160, 175, 200, 225, 250	50	35/25	25	10	○	○	–			
	UCB250N	∗2, 3, 4	100, 125, 150, 160, 175, 200, 225, 250	65	42/36	35	18	○	○	–			
	UCB250H	∗2, 3, 4	125, 150, 160, 175, 200, 225, 250	85	42	42	20	○	○	–	105/105/140	165	60
	UCB250L	∗2, 3, 4	125, 150, 160, 175, 200, 225, 250	100	50	50	25	○	○	–			
400	UCB400R	∗2, 3, 4	250, 300, 320, 350, 400	35	30	25	18	○	○	–	140/140/185	257	110
	UCB400S	∗2, 3, 4	250, 300, 320, 350, 400	50	42	35	22	○	○	–			
	UCB400H	∗2, 3, 4	250, 300, 320, 350, 400	85	65	50	25	○	○	–			
	UCB400L	∗2, 3, 4	250, 300, 320, 350, 400	125	100	85	30	○	○	–			
630	UCB630R	∗2, 3, 4	500, 630	50	45	35	22	○	○	–	210/210/280	280	110
	UCB630S	∗2, 3, 4	500, 630	100	65	50	25	○	○	–			
	UCB630H	∗2, 3, 4	500, 630	100	85	65	35	○	○	–			
	UCB630L	∗2, 3, 4	500, 630	125	100	85	35	○	○	–			
800	UCB800R	∗2, 3, 4	700, 800	50	45	35	25	○	○	–			
	UCB800S	∗2, 3, 4	700, 800	100	65	50	25	○	○	–			
	UCB800H	∗2, 3, 4	700, 800	100	85	65	35	○	○	–			
	UCB800L	∗2, 3, 4	700, 800	125	100	85	35	○	○	–			
1000	UCB1000S	3, 4	505-1,000	100	100	75	40	–	–	○	210/280	370	110
	UCB1000L	3, 4	505-1,000	150	130	100	60	–	–	○	210/280	370	200
1250	UCB1250S	3, 4	630-1,250	100	100	75	40	–	–	○	210/280	370	110
	UCB1250L	3, 4	630-1,250	150	130	100	60	–	–	○	210/280	370	200
1600	UCB1600S	3	640-1,600	100	65	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 as 3P breaker, but the middle pole is removed.

Specifications and Standard Order Codes

| UAB type / 100AF |

- UAB100R 25kA
- UAB100S 30kA

					UAB100R	UAB100S
						
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	
	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			25	30
		AC220/240V, 50-60Hz			42	50
		DC250V			10	14
		DC125V			15	20
	Service [Ics]	% of [Icu]			25	
Trip mechanism & Protection characteristics	Thermal magnetic	Fixed thermal, Fixed instantaneous			○	
				INST	15-32A: 20×In, 40-100A: 10×In	
		Adjustable thermal, Fixed instantaneous		LTD	(0.8-0.9-1)×In[2]	
				INST	15-32A: 20×In, 40-100A: 10×In	
Mounting	Direct mounting by screw				○	
	Plug-in	for Switchboard	Both line & load side		○	
			Line side only		○[1]	
		for Distribution board			○[1]	
	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			0.6/0.78/0.96	

※ - 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	1C, right-hand-side	1C, left-hand-side				
	AUX 10UA R1	AUX 10UA L1				
Trip alarm switch	1C, right-hand-side	1C, left-hand-side				
	ALT 10UA R1	ALT 10UA L1				
Shunt trip[1]	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 10UA A	–	SHT 10UA F	SHT 10UA H	SHT 10UA B	SHT 10UA D
Under voltage trip[2]	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)
Be sure not to use UVT for the electrical interlock system.

• Operating

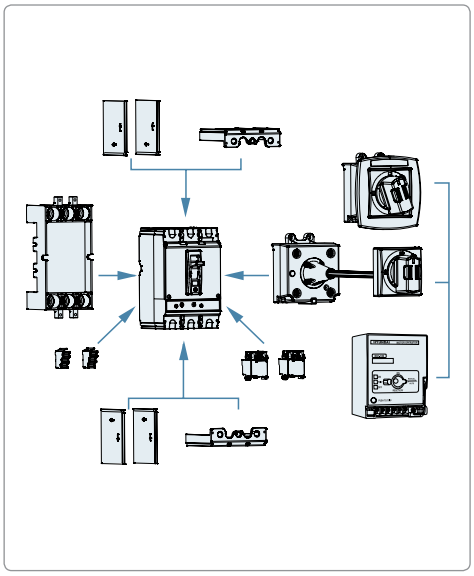
Operating handle[1]	**Power supply direction**		Upper	Right	Left
	Surface	**S type**	TFG 10UAS U4	TFG 10UAS R4	TFG 10UAS L4
		L type	TFG 10UAL U4	–	TFG 10UAL L4
	Extended	**S type**	TFH 10UAS		
		L type	TFH 10UAL		
Motor operator[2]			DC24V	AC/DC110V	AC/DC220V
			MOT 10UA DC24	MOT 10UA ADC110	MOT 10UA ADC220
Mechanical interlock			2 pole	3 pole	4 pole
			–	MIF 10UA 3	MIF 10UA 4
Padlock plate[3]			PLD 10UA		

※ 1] Available for 3P, 4P breaker. For detail type information, please refer to page 195-202.
2] Motor operator is not recommended for marine application.
3] Padlock is not supplied.

• Mounting

DIN-rail adaptor			DRA 10UA	
Plug-in[1]	**Structure**		For both line & load side	For line side only
	Mounting base		TDM 10AP	TDM 10AF
	Connection block[2]	**2C contact**	CBM 10AB 2	–
		3C contact	CBM 10AB 3	–
	Conn. block barrier		CBM BARR	–

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



• Terminal

Cage terminal block	**15-50A**	3EA/SET	4EA/SET	
		CTB 10A 3S50	CTB 10A 4S50	
	60-100A	CTB 10A 3S100	CTB 10A 4S100	
Terminal cover[1]		2 pole	3 pole	4 pole
		TCF 10AP 2	TCF 10AP 3	TCF 10AP 4
Interpole barrier[2]	**2EA/SET**	TQQ 10A 3PLINE		

※ 1] For both line and load side of breaker, 2EA shall be ordered.
2] Supplied as standard component
Required quantity for both line and load side of breaker: 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℃

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	30	UAB100R 3PT4S0000C 00015	20	UAB100R 4PT4S0000C 00015	16	Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UAB100R 2PT4S0000C 00016	30	UAB100R 3PT4S0000C 00016	20	UAB100R 4PT4S0000C 00016	16		
	20A	UAB100R 2PT4S0000C 00020	30	UAB100R 3PT4S0000C 00020	20	UAB100R 4PT4S0000C 00020	16		
	25A	UAB100R 2PT4S0000C 00025	30	UAB100R 3PT4S0000C 00025	20	UAB100R 4PT4S0000C 00025	16		
	30A	UAB100R 2PT4S0000C 00030	30	UAB100R 3PT4S0000C 00030	20	UAB100R 4PT4S0000C 00030	16		
	32A	UAB100R 2PT4S0000C 00032	30	UAB100R 3PT4S0000C 00032	20	UAB100R 4PT4S0000C 00032	16		
	40A	UAB100R 2PT4S0000C 00040	30	UAB100R 3PT4S0000C 00040	20	UAB100R 4PT4S0000C 00040	16		
	50A	UAB100R 2PT4S0000C 00050	30	UAB100R 3PT4S0000C 00050	20	UAB100R 4PT4S0000C 00050	16		
	60A	UAB100R 2PT4S0000C 00060	30	UAB100R 3PT4S0000C 00060	20	UAB100R 4PT4S0000C 00060	16		
	63A	UAB100R 2PT4S0000C 00063	30	UAB100R 3PT4S0000C 00063	20	UAB100R 4PT4S0000C 00063	16		
	75A	UAB100R 2PT4S0000C 00075	30	UAB100R 3PT4S0000C 00075	20	UAB100R 4PT4S0000C 00075	16		
	80A	UAB100R 2PT4S0000C 00080	30	UAB100R 3PT4S0000C 00080	20	UAB100R 4PT4S0000C 00080	16		
	100A	UAB100R 2PT4S0000C 00100	30	UAB100R 3PT4S0000C 00100	20	UAB100R 4PT4S0000C 00100	16		
UAB100S 30kA	15A	UAB100S 2PT4S0000C 00015	30	UAB100S 3PT4S0000C 00015	20	UAB100S 4PT4S0000C 00015	16		
	16A	UAB100S 2PT4S0000C 00016	30	UAB100S 3PT4S0000C 00016	20	UAB100S 4PT4S0000C 00016	16		
	20A	UAB100S 2PT4S0000C 00020	30	UAB100S 3PT4S0000C 00020	20	UAB100S 4PT4S0000C 00020	16		
	25A	UAB100S 2PT4S0000C 00025	30	UAB100S 3PT4S0000C 00025	20	UAB100S 4PT4S0000C 00025	16		
	30A	UAB100S 2PT4S0000C 00030	30	UAB100S 3PT4S0000C 00030	20	UAB100S 4PT4S0000C 00030	16		
	32A	UAB100S 2PT4S0000C 00032	30	UAB100S 3PT4S0000C 00032	20	UAB100S 4PT4S0000C 00032	16		
	40A	UAB100S 2PT4S0000C 00040	30	UAB100S 3PT4S0000C 00040	20	UAB100S 4PT4S0000C 00040	16		
	50A	UAB100S 2PT4S0000C 00050	30	UAB100S 3PT4S0000C 00050	20	UAB100S 4PT4S0000C 00050	16		
	60A	UAB100S 2PT4S0000C 00060	30	UAB100S 3PT4S0000C 00060	20	UAB100S 4PT4S0000C 00060	16		
	63A	UAB100S 2PT4S0000C 00063	30	UAB100S 3PT4S0000C 00063	20	UAB100S 4PT4S0000C 00063	16		
	75A	UAB100S 2PT4S0000C 00075	30	UAB100S 3PT4S0000C 00075	20	UAB100S 4PT4S0000C 00075	16		
	80A	UAB100S 2PT4S0000C 00080	30	UAB100S 3PT4S0000C 00080	20	UAB100S 4PT4S0000C 00080	16		
	100A	UAB100S 2PT4S0000C 00100	30	UAB100S 3PT4S0000C 00100	20	UAB100S 4PT4S0000C 00100	16		

50℃

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	30	UAB100R 3PT5S0000C 00015	20	UAB100R 4PT5S0000C 00015	16	Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UAB100R 2PT5S0000C 00016	30	UAB100R 3PT5S0000C 00016	20	UAB100R 4PT5S0000C 00016	16		
	20A	UAB100R 2PT5S0000C 00020	30	UAB100R 3PT5S0000C 00020	20	UAB100R 4PT5S0000C 00020	16		
	25A	UAB100R 2PT5S0000C 00025	30	UAB100R 3PT5S0000C 00025	20	UAB100R 4PT5S0000C 00025	16		
	30A	UAB100R 2PT5S0000C 00030	30	UAB100R 3PT5S0000C 00030	20	UAB100R 4PT5S0000C 00030	16		
	32A	UAB100R 2PT5S0000C 00032	30	UAB100R 3PT5S0000C 00032	20	UAB100R 4PT5S0000C 00032	16		
	40A	UAB100R 2PT5S0000C 00040	30	UAB100R 3PT5S0000C 00040	20	UAB100R 4PT5S0000C 00040	16		
	50A	UAB100R 2PT5S0000C 00050	30	UAB100R 3PT5S0000C 00050	20	UAB100R 4PT5S0000C 00050	16		
	60A	UAB100R 2PT5S0000C 00060	30	UAB100R 3PT5S0000C 00060	20	UAB100R 4PT5S0000C 00060	16		
	63A	UAB100R 2PT5S0000C 00063	30	UAB100R 3PT5S0000C 00063	20	UAB100R 4PT5S0000C 00063	16		
	75A	UAB100R 2PT5S0000C 00075	30	UAB100R 3PT5S0000C 00075	20	UAB100R 4PT5S0000C 00075	16		
	80A	UAB100R 2PT5S0000C 00080	30	UAB100R 3PT5S0000C 00080	20	UAB100R 4PT5S0000C 00080	16		
	100A	UAB100R 2PT5S0000C 00100	30	UAB100R 3PT5S0000C 00100	20	UAB100R 4PT5S0000C 00100	16		
UAB100S 30kA	15A	UAB100S 2PT5S0000C 00015	30	UAB100S 3PT5S0000C 00015	20	UAB100S 4PT5S0000C 00015	16		
	16A	UAB100S 2PT5S0000C 00016	30	UAB100S 3PT5S0000C 00016	20	UAB100S 4PT5S0000C 00016	16		
	20A	UAB100S 2PT5S0000C 00020	30	UAB100S 3PT5S0000C 00020	20	UAB100S 4PT5S0000C 00020	16		
	25A	UAB100S 2PT5S0000C 00025	30	UAB100S 3PT5S0000C 00025	20	UAB100S 4PT5S0000C 00025	16		
	30A	UAB100S 2PT5S0000C 00030	30	UAB100S 3PT5S0000C 00030	20	UAB100S 4PT5S0000C 00030	16		
	32A	UAB100S 2PT5S0000C 00032	30	UAB100S 3PT5S0000C 00032	20	UAB100S 4PT5S0000C 00032	16		
	40A	UAB100S 2PT5S0000C 00040	30	UAB100S 3PT5S0000C 00040	20	UAB100S 4PT5S0000C 00040	16		
	50A	UAB100S 2PT5S0000C 00050	30	UAB100S 3PT5S0000C 00050	20	UAB100S 4PT5S0000C 00050	16		
	60A	UAB100S 2PT5S0000C 00060	30	UAB100S 3PT5S0000C 00060	20	UAB100S 4PT5S0000C 00060	16		
	63A	UAB100S 2PT5S0000C 00063	30	UAB100S 3PT5S0000C 00063	20	UAB100S 4PT5S0000C 00063	16		
	75A	UAB100S 2PT5S0000C 00075	30	UAB100S 3PT5S0000C 00075	20	UAB100S 4PT5S0000C 00075	16		
	80A	UAB100S 2PT5S0000C 00080	30	UAB100S 3PT5S0000C 00080	20	UAB100S 4PT5S0000C 00080	16		
	100A	UAB100S 2PT5S0000C 00100	30	UAB100S 3PT5S0000C 00100	20	UAB100S 4PT5S0000C 00100	16		

• Adjustable thermal & fixed instantaneous / Thermal magnetic trip

40/45℃

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	20	UAB100R 4PT4S0000C 00015F	16	Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UAB100R 3PT4S0000C 00016F	20	UAB100R 4PT4S0000C 00016F	16		
	20A	UAB100R 3PT4S0000C 00020F	20	UAB100R 4PT4S0000C 00020F	16		
	25A	UAB100R 3PT4S0000C 00025F	20	UAB100R 4PT4S0000C 00025F	16		
	30A	UAB100R 3PT4S0000C 00030F	20	UAB100R 4PT4S0000C 00030F	16		
	32A	UAB100R 3PT4S0000C 00032F	20	UAB100R 4PT4S0000C 00032F	16		
	40A	UAB100R 3PT4S0000C 00040F	20	UAB100R 4PT4S0000C 00040F	16		
	50A	UAB100R 3PT4S0000C 00050F	20	UAB100R 4PT4S0000C 00050F	16		
	60A	UAB100R 3PT4S0000C 00060F	20	UAB100R 4PT4S0000C 00060F	16		
	63A	UAB100R 3PT4S0000C 00063F	20	UAB100R 4PT4S0000C 00063F	16		
	75A	UAB100R 3PT4S0000C 00075F	20	UAB100R 4PT4S0000C 00075F	16		
	80A	UAB100R 3PT4S0000C 00080F	20	UAB100R 4PT4S0000C 00080F	16		
	100A	UAB100R 3PT4S0000C 00100F	20	UAB100R 4PT4S0000C 00100F	16		
UAB100S 30kA	15A	UAB100S 3PT4S0000C 00015F	20	UAB100S 4PT4S0000C 00015F	16		
	16A	UAB100S 3PT4S0000C 00016F	20	UAB100S 4PT4S0000C 00016F	16		
	20A	UAB100S 3PT4S0000C 00020F	20	UAB100S 4PT4S0000C 00020F	16		
	25A	UAB100S 3PT4S0000C 00025F	20	UAB100S 4PT4S0000C 00025F	16		
	30A	UAB100S 3PT4S0000C 00030F	20	UAB100S 4PT4S0000C 00030F	16		
	32A	UAB100S 3PT4S0000C 00032F	20	UAB100S 4PT4S0000C 00032F	16		
	40A	UAB100S 3PT4S0000C 00040F	20	UAB100S 4PT4S0000C 00040F	16		
	50A	UAB100S 3PT4S0000C 00050F	20	UAB100S 4PT4S0000C 00050F	16		
	60A	UAB100S 3PT4S0000C 00060F	20	UAB100S 4PT4S0000C 00060F	16		
	63A	UAB100S 3PT4S0000C 00063F	20	UAB100S 4PT4S0000C 00063F	16		
	75A	UAB100S 3PT4S0000C 00075F	20	UAB100S 4PT4S0000C 00075F	16		
	80A	UAB100S 3PT4S0000C 00080F	20	UAB100S 4PT4S0000C 00080F	16		
	100A	UAB100S 3PT4S0000C 00100F	20	UAB100S 4PT4S0000C 00100F	16		

50℃

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	20	UAB100R 4PT5S0000C 00015F	16	Screw type terminal connection, No option, 50/60Hz	MCCB /M2
	16A	UAB100R 3PT5S0000C 00016F	20	UAB100R 4PT5S0000C 00016F	16		
	20A	UAB100R 3PT5S0000C 00020F	20	UAB100R 4PT5S0000C 00020F	16		
	25A	UAB100R 3PT5S0000C 00025F	20	UAB100R 4PT5S0000C 00025F	16		
	30A	UAB100R 3PT5S0000C 00030F	20	UAB100R 4PT5S0000C 00030F	16		
	32A	UAB100R 3PT5S0000C 00032F	20	UAB100R 4PT5S0000C 00032F	16		
	40A	UAB100R 3PT5S0000C 00040F	20	UAB100R 4PT5S0000C 00040F	16		
	50A	UAB100R 3PT5S0000C 00050F	20	UAB100R 4PT5S0000C 00050F	16		
	60A	UAB100R 3PT5S0000C 00060F	20	UAB100R 4PT5S0000C 00060F	16		
	63A	UAB100R 3PT5S0000C 00063F	20	UAB100R 4PT5S0000C 00063F	16		
	75A	UAB100R 3PT5S0000C 00075F	20	UAB100R 4PT5S0000C 00075F	16		
	80A	UAB100R 3PT5S0000C 00080F	20	UAB100R 4PT5S0000C 00080F	16		
	100A	UAB100R 3PT5S0000C 00100F	20	UAB100R 4PT5S0000C 00100F	16		
UAB100S 30kA	15A	UAB100S 3PT5S0000C 00015F	20	UAB100S 4PT5S0000C 00015F	16		
	16A	UAB100S 3PT5S0000C 00016F	20	UAB100S 4PT5S0000C 00016F	16		
	20A	UAB100S 3PT5S0000C 00020F	20	UAB100S 4PT5S0000C 00020F	16		
	25A	UAB100S 3PT5S0000C 00025F	20	UAB100S 4PT5S0000C 00025F	16		
	30A	UAB100S 3PT5S0000C 00030F	20	UAB100S 4PT5S0000C 00030F	16		
	32A	UAB100S 3PT5S0000C 00032F	20	UAB100S 4PT5S0000C 00032F	16		
	40A	UAB100S 3PT5S0000C 00040F	20	UAB100S 4PT5S0000C 00040F	16		
	50A	UAB100S 3PT5S0000C 00050F	20	UAB100S 4PT5S0000C 00050F	16		
	60A	UAB100S 3PT5S0000C 00060F	20	UAB100S 4PT5S0000C 00060F	16		
	63A	UAB100S 3PT5S0000C 00063F	20	UAB100S 4PT5S0000C 00063F	16		
	75A	UAB100S 3PT5S0000C 00075F	20	UAB100S 4PT5S0000C 00075F	16		
	80A	UAB100S 3PT5S0000C 00080F	20	UAB100S 4PT5S0000C 00080F	16		
	100A	UAB100S 3PT5S0000C 00100F	20	UAB100S 4PT5S0000C 00100F	16		

Characteristic Curves & Dimensions

| UAB type / 50-100AF, 25-30kA |

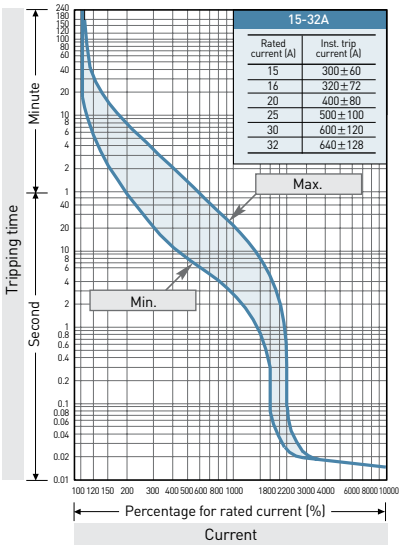


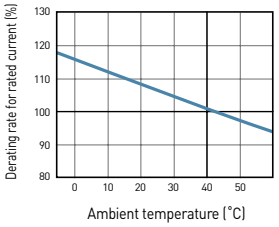
- UAB50S
- UAB50H
- UAB100R
- UAB100S

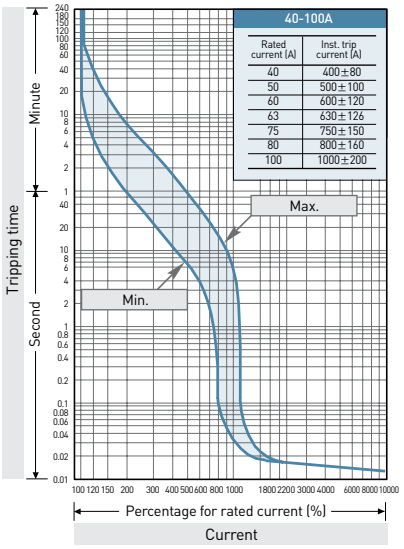
- UAD50S
- UAD100R

※Characteristic curves are not applicable.

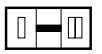
Tripping & temperature derating curves

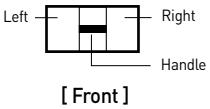






Installation of signal accessories

No. of poles	AUX Auxiliary switch	ALT Trip alarm switch	SHT Shunt trip	UVT Under voltage trip	AUX ALT	AUX SHT	AUX UVT	ALT SHT	ALT UVT	AXT SHT	AXT UVT
3											

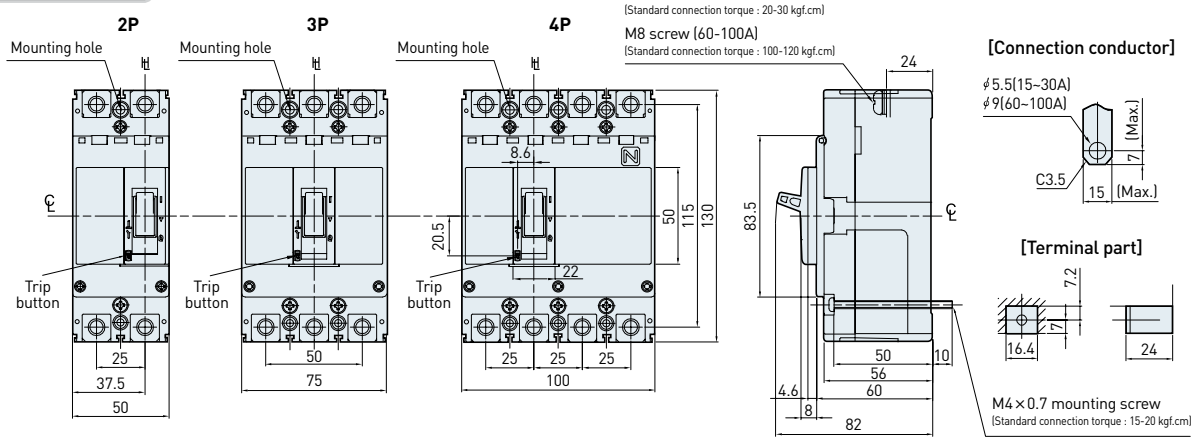


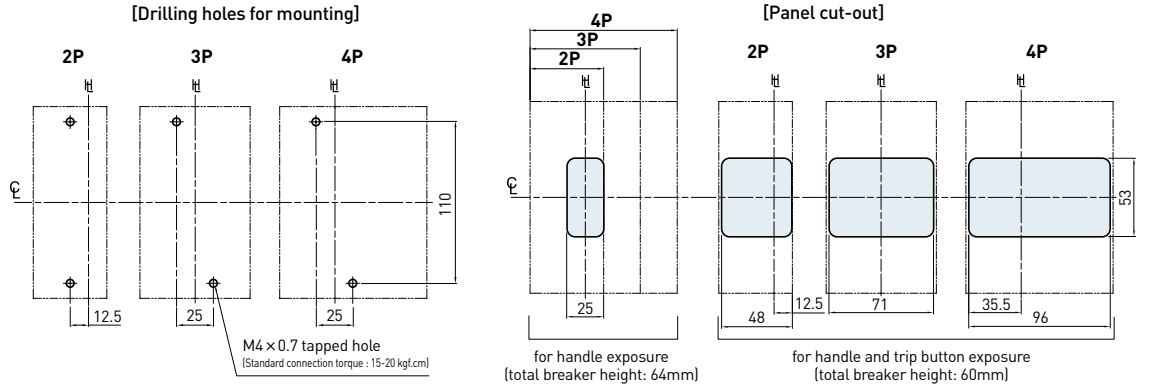
※ - AXT is combintaion of AUX and ALT.
- In case of 2P, all signal accessories shall be installed in left side of breaker.
- UVT operates at DC voltage. AC voltage will be converted to DC through UVT controller.

Dimensions

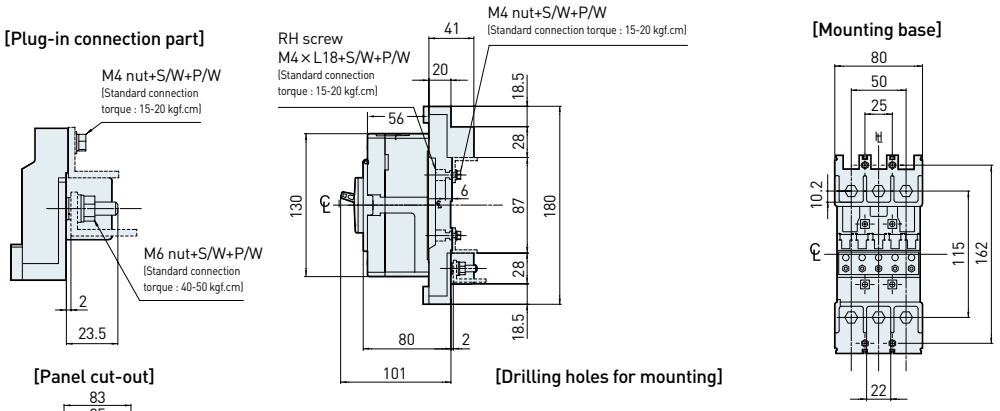
※ ℄ : Center line ⊬ : Handle center line • The allowance of 1.5mm is given around the handle frame. (Unit: mm)

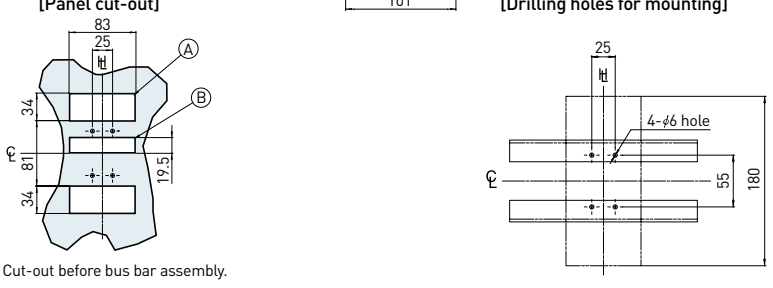
Direct mounting





Plug-in mounting





Ⓐ : Cut-out before bus bar assembly.
Ⓑ : Cut-out for wiring of signal accessories.

※ TDF 10A for line side only type plug-in mounting, please refer to page 210.

Order Information

◆ Adjustable thermal - UAB, UCB, UPB type

UPB250X	3P	T4	S	00	00	C	00250	F

Type	Code
UAB	UAB50S
	UAB50H
	UAB100R
	UAB100S
UCB	UCB50H
	UCB50L
	UCB100R ⋮ UCB800L
UPB	UPB100S ⋮ UPB250X

※ For the applicable breaker, please refer to page 12-24.

Code	Pole
2P[1]	2 pole
3P	3 pole
4P	4 pole

※ 1] "2P" (2 pole) is available for UCB only.

Code	Terminal connection
Direct mounting	
S[1]	Screw
B[2]	Bus bar
Plug-in mounting[3]	
X[4]	for both line & load side without accessories
P[5]	for both line & load side with accessories and connection block
F[6]	for line side only

※ 1] "S" (screw terminal connection) is default for whole range.
2] "B" (bus bar terminal connection) is available for 250AF and above breaker.
- Bus bar [TBB] can be ordered separately. For details, please refer to page 215.
3] Plug-in mounting is available for 3 pole breaker only.
- Mounting base [TDM] and components for plug-in mounting shall be ordered separately. For details, please refer to page 209.
4] - "X" is recommended when the internal signal accessory does not need to be wired through the mounting base.
- "X0000" code is only applicable when the accessories are not mounted.
5] - "P" is recommended when the internal signal accessory shall be plug-in also. Internal signal accessory shall be ordered along with breaker for wiring before ex-work.
- "P0000" code is not applicable. "P" code is only applicable when the accessories are mounted.
- We do not provide connection block seperately.
6] "F" (plug-in mounting for line side only) is recommended when the screw terminal connection is required at load side.

Code	Compensating temperature
T4	40/45℃
T5	50℃

Code	Internal accessory
00[1]	without
Shunt trip (SHT)	
S1	SHT AC110V
S2	SHT AC220V
S3	SHT AC380V
S4	SHT AC440V
S5	SHT DC24V
S6	SHT DC110V
Under voltage trip (UVT)	
U1	UVT AC110V
U2	UVT AC220V
U3	UVT AC380V
U4	UVT AC440V
U5	UVT DC24V
U6	UVT DC110V

※ 1] Default for whole range
- For the applicable accessory to each breaker, please refer to page 138-163.
- For "P" type plug-in mounting, internal accessory shall be ordered.
- Internal accessory can be ordered separately. For details, please refer to page 192-193.

Code	Internal accessory
00[1]	without
Auxiliary switch (AUX)	
10	AUX 1C
20	AUX 2C
Trip alarm switch (ALT)	
01	ALT 1C
Auxiliary switch (AUX) & Trip alarm switch (ALT)	
11	AUX 1C & ALT 1C
21	AUX 2C & ALT 1C

※ 1] Default for whole range
- For the applicable accessory to each breaker, please refer to page 138-163.
- For "P" type plug-in mounting, internal accessory shall be ordered.
- Internal accessory can be ordered separately.
For details, please refer to page 192-193.

Code	Rated current
00005 ⋮ 00800	5A ⋮ 800A

※ For the applicable rated current to each breaker, please refer to page 12-24.

Code	Frequency
C	50/60Hz

Code	Instantaneous characteristic
F	Fixed instantaneous
H[1]	Adjustable instantaneous

※ 1) "H" (adjustable instantaneous) is available for UPB160 & UPB250.