




| 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 IEC 60947-2 K 60947-2	Ultimate [Icu] (kA r.m.s.)	Recognition code for order		S	H	L	X	S	H	L	X	
		AC660/690V, 50-60Hz		10	10	25	25	10	10	25	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		85	100	130	150	85	100	130	150	
AC220/240V, 50-60Hz		100	130	150	200	100	130	150	200			
Service [Ics]		% of [Icu]		100				100				
Trip mechanism & Protection characteristics	Electronic	LTD, STD, INST		O ¹⁾				O ¹⁾				
		GFT, I ² T lamp		O ¹⁾				O ¹⁾				
		PTA, Pick-up LED		O				O				
Mounting	Plug-in	Direct mounting by screw		O				O				
		for Switchboard	Both line & load side		O ²⁾				O ²⁾			
			Line side only		O ²⁾				O ²⁾			
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				
		Padlock plate PLD		O				O				
	Mounting	Extension handle THA		O ³⁾				O ³⁾				
		Plug-in mounting base TDM		O ²⁾				O ²⁾				
		Terminal	Terminal bus bar TBB		O				O			
			Cage terminal block CTB		O				O			
Terminal cover TCF			O				O					
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.

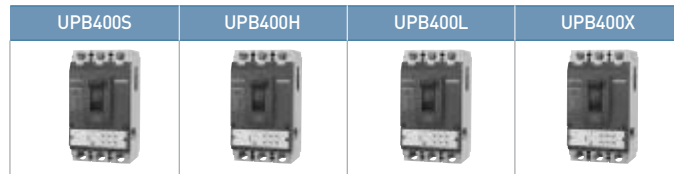
1) For the detail protection characteristics, please refer to following pages; · UPB400: page 108 · UPB630: page 110

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

Specifications and Standard Order Codes

| UPB type / 400AF |

- UPB400S 85kA
- UPB400H 100kA
- UPB400L 130kA
- UPB400X 150kA



Number of poles (P)		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]	200-400				
	Rated insulation voltage [Ui] [V]	AC750				
	Rated operational voltage [Ue] [V]	AC690				
	Rated impulse withstand voltage [Uimp] [kV]	8				
Rated short-circuit breaking capacity	Ultimate [Icu] (kA r.m.s.)	AC660/690V, 50-60Hz	10	10	25	25
		AC480/500V, 50-60Hz	50	65	85	85
		AC440/460V, 50-60Hz	65	85	100	150
		AC380/415V, 50-60Hz	85	100	130	150
IEC 60947-2 K 60947-2	Service [Ics] % of [Icu]	AC220/240V, 50-60Hz	100	130	150	200
Trip mechanism & Protection characteristics	Electronic	Long time delay	LTD	(0.5-1) ¹⁾ × In (15 setting)		
		Short time delay	STD	[2-4-6-8-10] × Ir		
		Instantaneous	INST	[3-6-8-10-11] × In		
		Ground fault trip	GFT	[0.2-0.3-0.4] × In		
		Pre-trip alarm	PTA	0.9 × Ir		
		I ² T lamp		O		
		Pick-up LED		O		
Mounting	Direct mounting by screw		O			
	Plug-in	for Switchboard	Both line & load side	O ²⁾		
			Line side only	O ²⁾		
Terminal connection	Screw		O			
	Bus bar		O			
Durability (times)	Mechanical operation		20,000			
	Electrical operation		6,000			
Dimensions (mm)		3/4P	a	Width	140/185	
			b	Height	255	
			c	Depth	117	
			d		159.5	
Weight (kg, breaker only)		3/4P	6.0/7.8			

* - 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) Available for 3P breaker

■ Accessories

- Signal

Auxiliary switch	1C, left-hand-side					
	AUX 46UP L1					
Trip alarm switch	1C, right-hand-side					
	ALT 46UP R1					
Shunt trip ¹⁾	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 46UP A	SHT 46UP C	SHT 46UP F	SHT 46UP H	SHT 46UP B	SHT 46UP D
Under voltage trip ²⁾	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	*UVT 46UP J	*UVT 46UP L	*UVT 46UP N	*UVT 46UP P	*UVT 46UP Q	*UVT 46UP 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)

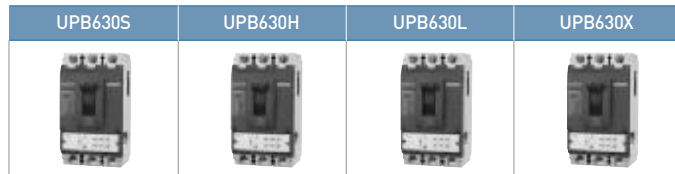
The tripping voltage: 20-70% of rated voltage(AC/DC)

*Reset is possible without power.

Specifications and Standard Order Codes

| UPB type / 630AF |

- UPB630S 85kA
- UPB630H 100kA
- UPB630L 130kA
- UPB630X 150kA



Number of poles (P)		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]	320-630				
	Rated insulation voltage [Ui] [V]	AC750				
	Rated operational voltage [Ue] [V]	AC690				
	Rated impulse withstand voltage [Uimp] [kV]	8				
Rated short-circuit breaking capacity	Ultimate [Icu] (kA r.m.s.)	AC660/690V, 50-60Hz	10	10	25	25
		AC480/500V, 50-60Hz	50	65	85	85
		AC440/460V, 50-60Hz	65	85	100	150
		AC380/415V, 50-60Hz	85	100	130	150
IEC 60947-2 K 60947-2	Service [Ics] % of [Icu]	AC220/240V, 50-60Hz	100	130	150	200
Trip mechanism & Protection characteristics	Electronic	Long time delay	LTD	(0.5-1) ¹⁾ × In (15 setting)		
		Short time delay	STD	[2-4-6-8-10] × Ir		
		Instantaneous	INST	[3-6-8-10-11] × In		
		Ground fault trip	GFT	[0.2-0.3-0.4] × In		
		Pre-trip alarm	PTA	0.9 × Ir		
		I ² T lamp		O		
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Mounting	Direct mounting by screw		O			
	Plug-in	for Switchboard	Both line & load side	O ²⁾		
			Line side only	O ²⁾		
Terminal connection	Screw		O			
	Bus bar		O			
Durability (times)	Mechanical operation		20,000			
	Electrical operation		6,000			
Dimensions (mm)		3/4P	a	Width	140/185	
			b	Height	255	
			c	Depth	117	
			d		159.5	
Weight (kg, breaker only)		3/4P	6.0/7.8			

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

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Shunt trip ¹⁾	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	SHT 46UP A	SHT 46UP C	SHT 46UP F	SHT 46UP H	SHT 46UP B	SHT 46UP D
Under voltage trip ²⁾	DC24V	DC100-110V	AC100-120V	AC200-230V	AC380-415V	AC440-480V
	*UVT 46UP J	*UVT 46UP L	*UVT 46UP N	*UVT 46UP P	*UVT 46UP Q	*UVT 46UP 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.