

Product Specification

● Specification

Type		AE630-SW	AE1000-SW	AE1250-SW	AE1600-SW	
Frame size	(A)	630	1000	1250	1600	
Rated insulation voltage (Ui)	(50/60Hz)(AC.V)	1000				
Rated operational voltage (Ue)	(50/60Hz)(AC.V)	690				
Rated impulse withstand voltage (Uimp)	(kV)	12				
Pollution degree		3				
Number of poles		3, 4				
Rated current In (CT rating)		630 (Note 5)	1000	1250	1600	
Current setting Ir (A) (40°C)	WS WB General use (Current rating adjustable) (0.5 to 1.0 × In 0.05 step)	315-346.5-378-409.5- 441-472.5-504-535.5- 567-598.5-630 (Note 5)	500-550-600-650- 700-750-800-850- 900-950-1000	625-687.5-750-812.5- 875-937.5-1000-1062.5- 1125-1187.5-1250	800-880-960-1040- 1120-1200-1280-1360- 1440-1520-1600	
	WM Generator protection use (Current rating fixed) (Note 10)	160 ≤ Ir ≤ 630	400 ≤ Ir ≤ 1000	800 ≤ Ir ≤ 1250	1000 ≤ Ir ≤ 1600	
Rated current of neutral pole	(A)	630	1000	1250	1600	
IEC60947-2 EN60947-2 BS VDE JIS C 8201-2-1	Ultimate breaking capacity Icu (kA rms)	690V AC	65			
		600V AC	65			
		240-500V AC	65			
	with MCR	690V AC	65			
		600V AC	65			
		240-500V AC	65			
	Bare + External relay	690V AC	25 (Note 1)			
		500V AC	25 (Note 1)			
	Rated service breaking capacity Ics (kA rms) %Icu		100%			
	Rated making capacity Icm (kA peak)	690V AC	143			
		600V AC	143			
		240-500V AC	143			
	with MCR	690V AC	143			
		600V AC	143			
240-500V AC		143				
Bare or Bare + External relay	690V AC	52.5				
	500V AC	52.5				
Rated short time withstand current Icw (kA rms)	1s	65				
	2s	60				
	3s	50				
Maximum total breaking time	(ms)	40 (Note 6)				
Maximum closing time	(ms)	80				
Number of operating cycles	With rated current	500V AC In	5,000			
		690V AC In	5,000			
(Note 2)	Without rated current	25,000 (Note 4)				
Connecting terminal	Horizontal terminal	○				
	Vertical terminal	○				
	Front terminal	○				
Outline dimension (mm) H×W×D	Fixed type	3-pole	410×340×290			
		4-pole	410×425×290			
	Drawout type	3-pole	430×300×375			
		4-pole	430×385×375			
Weight (kg) (without Accessory)	Fixed type	3-pole	40	41	42	
		4-pole	50	51	52	
	Drawout type (including cradle)	3-pole	63	64	65	
		4-pole	77	78	79	
	Cradle only	3-pole	26			
		4-pole	30			
Marine approval	3-pole	○ (LR, GL, BV, DNV, ABS, NK, CCS)				

(Note 1) This is the Icu value when the bare main body and the external relay are combined.

(Note 2) The number of operating cycles without rated current also includes the number of operating cycles with rated current.

(Note 3) AE2000-SWA, AE4000-SWA and AE4000-SW-AE6300-SW apply for only vertical terminal of connecting terminal.

(Note 4) This value is max. operating cycle for just ACB body without any accessories.

(The max. operating cycles for the accessories like AX, MD,CC, SHT and UVT are half of this value.)

(Note 5) Products with low rating types are available. For AE630-SW low rating types (250A, 315A, 500A), DP3 is not available.

AE 630-SW 3 kinds of products with low rating types are available.

AE 2000-SW 2 kinds of products with low rating types are available.

- 250-275-300-325-350-375-400-425-450-475-500(CT 500A)
- 157.5-173.3-189-204.8-220.5-236.3-252-267.8-283.5-299.3-315(CT 315A)
- 125-137.5-150-162.5-175-187.5-200-212.5-225-237.5-250(CT 250A)

- 800-880-960-1040-1120-1200-1280-1360-1440-1520-1600(CT 1600A)
- 625-687.5-750-812.5-875-937.5-1000-1062.5-1125-1187.5-1250(CT 1250A)