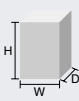


## Ratings

### Susol



Type			
Ampere frame	(AF)		
Rated current(A)	(In max)	at 40 °C	
Setting current (A) *	Control trip relay ( ... × In max)		
Rated current of neutral pole (A)			
Rated insulation voltage(V)	(Ui)		
Rated operating voltage(V)	(Ue)		
Rated impulse withstand voltage (kV)(Uimp)			
Frequency(Hz)			
Number of poles (P)			
Rated breaking capacity (kA sym)		220V/230V/380V/415V	
AC 50/60Hz	(Icu) IEC 60947-2 KS C 8325	460V/480V/500V 550V/600V/690V	
Rated service breaking capacity (kA) (Ics)		... % × Icu	
Rated making capacity (kA peak)		220V/230V/380V/415V	
AC 50/60Hz	(Icm) IEC 60947-2 KS C 8325	460V/480V/500V 550V/600V/690V	
Rated short-time withstand current (kA)	(Icw)	1sec 2 sec 3 sec	
Operating time (ms)		Maximum total breaking time Maximum closing time	
Life cycle (time)	Mechanical	Without maintenance	
		With maintenance	
	Electrical	Without maintenance	
		With maintenance	
Connections **	Draw-out / Fixed	Horizontal connection Vertical connection Front connection Mixed connection	
Weight (kg) (3P/4P)	Draw-out type	Main body	Motor charging type
		(With cradle)	Manual charging type
		Cradle only	
	Fixed type	Motor charging type Manual charging type	
External dimensions (mm) (H×W×D)		Draw-out type	3P 4P
		Fixed type	3P 4P
		Trip relay	
		Certificate & Approval	

Susol					
AH-06D	AH-08D	AH-10D	AH-13D	AH-16D	AH-20D
630	800	1000	1250	1600	2000
200	400				
400	630	1000	1250	1600	2000
630	800				
(0.4 ~ 1.0) × In max					
400	400				
630	630	1000	1250	1600	2000
	800				
1000					
690					
12					
50/60					
3, 4					
85					
85					
65					
100%					
187					
187					
143					
65					
60					
50					
40					
80					
12,000					
20,000					
5,000					
10,000					
● -					
○ ●					
○ -					
○ -					
63/74 70/85					
61/72 68/83					
29/32 33/40					
34/44 38/47					
32/42 36/45					
430×334×375					
430×419×375					
300×300×295					
300×385×295					
N, A, P, S type					
KEMA / KERI / CE					

\* Refer to trip relay specification. \*\* ●: Standard, ○: Option



Susol			
AH-20E	AH-25E	AH-32E	AH-40E
2000	2500	3200	4000
630, 800 1000, 1250 1600, 2000	2500	3200	4000
(0.4 ~ 1.0) × In max			
630, 800 1000, 1250 1600, 2000	2500	3200	4000
	1,000		
	690		
	12		
	50/60		
	3, 4		
	100		
	100		
	85		
	100%		
	220		
	220		
	187		
	85		
	75		
	65		
	40		
	80		
	10,000		
	20,000		
	5,000		
	10,000		
	●		○
	○		●
	○		-
	○		-
	87/103		104/147
	85/101		102/145
	44/55		58/70
	44/55		63/100
	42/53		61/98
	430×412×375		
	430×527×375		
	300×378×295		
	300×493×295		
	N, A, P, S type		
	KEMA / KERI / CE		

Susol		
AH-40G	AH-50G	AH-63G
4000	5000	6300
4000	5000	6300
(0.4 ~ 1.0) × In max		
4000	5000	6300
	1,000	
	690	
	12	
	50/60	
	3, 4	
	150	
	150	
	100	
	100%	
	330	
	330	
	220	
	100	
	100	
	100	
	40	
	80	
	10,000	
	20,000	
	2,000	
	5,000	
	○	
	●	
	-	
	-	
	181/223	
	179/221	
	97/117	
	98/123	
	96/121	
	460×785×375	
	460×1015×375	
	300×751×295	
	300×981×295	
	N, A, P, S type	
	KEMA / KERI / CE	

# Ratings

Metasol



Type			
Ampere frame	(AF)		
Rated current(A)	(In max)	at 40 °C	
Setting current (A) *	Control trip relay (... × In max)		
Rated current of neutral pole (A)			
Rated insulation voltage(V)	(Ui)		
Rated operating voltage(V)	(Ue)		
Rated impulse withstand voltage (kV)(Uimp)			
Frequency (Hz)			
Number of poles (P)			
Rated breaking capacity (kA sym)			220V/230V/380V/415V
AC 50/60Hz	(Icu)	IEC 60947-2	460V/480V/500V
		KS C 8325	550V/600V/690V
			... % × Icu
Rated service breaking capacity (kA) (Ics)			100%
Rated making capacity (kA peak)			143
AC 50/60Hz	(Icm)	IEC 60947-2	460V/480V/500V
		KS C 8325	550V/600V/690V
			105
Rated short-time withstand current (kA)	(Icw)		1 sec
			2 sec
			3 sec
Operating time (ms)		Maximum total breaking time	40
		Maximum closing time	80
Life cycle (time)	Mechanical	Without maintenance	12,000
		With maintenance	20,000
	Electrical	Without maintenance	5,000
		With maintenance	10,000
Connections **	Draw-out / Fixed	Horizontal connection	●
		Vertical connection	○
		Front connection	○
		Mixed connection	○
			-
Weight (kg) (3P/4P)	Draw-out type	Main body	63/74
		(With cradle)	61/72
		Cradle only	29/32
	Fixed type	Motor charging type	34/44
		Manual charging type	32/42
			70/85
External dimensions (mm) (H×W×D)		Draw-out type	430×334×375
		3P	430×419×375
		4P	300×300×295
		Fixed type	300×385×295
		3P	300×385×295
		4P	300×385×295
Trip relay			
Certificate & Approval			

Metasol					
AN-06D	AN-08D	AN-10D	AN-13D	AN-16D	AS-20D
630	800	1000	1250	1600	2000
200	400				
400	630	1000	1250	1600	2000
630	800				
(0.4 ~ 1.0) × In max					
400	400				
630	630	1000	1250	1600	2000
	800				
1000					
690					
12					
50/60					
3, 4					
65					
70					
65					
100%					
100%					
143					
154					
143					
154					
105					
143					
50					
65					
42					
55					
36					
50					
40					
80					
12,000					
20,000					
5,000					
10,000					
●					
-					
○					
●					
○					
-					
○					
-					
63/74					
70/85					
61/72					
68/83					
29/32					
33/40					
34/44					
38/47					
32/42					
36/45					
430×334×375					
430×419×375					
300×300×295					
300×385×295					
N, A, P type					
KEMA / KERI / CE					

\* Refer to trip relay specification. \*\* ●: Standard, ○: Option



Metasol			
AS-20E	AS-25E	AS-32E	AS-40E
2000	2500	3200	4000
630, 800 1000, 1250 1600, 2000	2500	3200	4000
(0.4 ~ 1.0) × In max			
630, 800 1000, 1250 1600, 2000	2500	3200	4000
1,000			
690			
12			
50/60			
3, 4			
85			
85			
85			
100%			
187			
187			
187			
85			
75			
65			
40			
80			
10,000			
20,000			
5,000			
10,000			
●	○		
○	●		
○	-		
○	-		
87/103	104/147		
85/101	102/145		
44/50	58/70		
44/55	63/100		
42/53	61/98		
430 × 412 × 375			
430 × 527 × 375			
300 × 378 × 295			
300 × 493 × 295			
N, A, P type			
KEMA / KERI / CE			

Metasol	
AS-50F	
4000	5000
4000	5000
(0.4 ~ 1.0) × In max	
4000	5000
1000	
690	
12	
50/60	
3, 4	
100	
100	
85	
100%	
220	
220	
187	
85	
75	
65	
40	
80	
10,000	
20,000	
2,000	
5,000	
○	●
-	-
-	-
145/173	
143/171	
78/90	
76/94	
74/92	
460 × 629 × 375	
460 × 799 × 375	
300 × 597 × 295	
300 × 767 × 295	
N, A, P type	
KEMA / KERI / CE	

Metasol		
AS-40G	AS-50G	AS-63G
4000	5000	6300
4000	5000	6300
(0.4 ~ 1.0) × In max		
4000	5000	6300
1,000		
690		
12		
50/60		
3, 4		
120		
120		
100		
100%		
264		
264		
220		
100		
90		
85		
40		
80		
10,000		
20,000		
2,000		
5,000		
○		●
-		-
-		-
181/223	186/230	
179/221	184/228	
97/117	102/124	
98/123	103/130	
96/121	101/128	
460 × 785 × 375		
460 × 1015 × 375		
300 × 751 × 295		
300 × 981 × 295		
N, A, P type		
KEMA / KERI / CE		