

Metasol Circuit Breaker



			<i>Metasol</i>				
Type			AN-06D	AN-08D	AN-10D	AN-13D	AN-16D
Ampere frame	(AF)		630	800	1000	1250	1600
Rated current (A)	(In max)	at 40°C	200, 400, 630	200, 400, 630, 800	630, 800, 1000	630, 800, 1000, 1250	800, 1000, 1250, 1600
Setting current (A) *	Control trip relay (... × In max)		0.4 ~ 1.0				
Rated current of neutral pole (A)			630	800	1000	1250	1600
Rated insulation voltage (V)	(Ui)		1,000				
Rated operational voltage (V)	(Ue)		690				
Rated impulse withstand voltage (kV)	(Uimp)		12				
Frequency (Hz)			50/60				
Number of poles (P)			3/4				
Rated breaking capacity (kA sym)			65				
AC 50/60Hz	(Icu)	IEC 60947-2 KS C 4620	220V/230V/380V/415V 460V/480V/500V 550V/600V/690V		65		
Rated service breaking capacity (kA)	(Ics)		... % × Icu		100%		
Rated making capacity (kA peak)			143				
AC 50/60Hz	(Icm)	IEC 60947-2 KS C 4620	220V/230V/380V/415V 460V/480V/500V 550V/600V/690V		143		
Rated short-time withstand current (kA)	(Icw)		1 sec		50		
			2 sec		42		
			3 sec		36		
Operating time (ms)			Maximum total breaking time		Less than 25ms under Icw/Less than 75ms over Icw		
			Maximum closing time		80ms under		
Life cycle (time)		Mechanical	20,000				
		Electrical	5,000				
Connections **	Draw-out / Fixed		Horizontal connection		●		
			Vertical connection		○		
			Front connection		○		
			Mixed connection		○		
Weight (kg)	Draw-out type	Main body	Motor charging type		63/74		
(3P/4P)		(With cradle)	Manual charging type		61/72		
		Cradle only			29/32		
	Fixed type		Motor charging type		34/44		
			Manual charging type		32/42		
External dimensions (mm)		Draw-out	3P		430 × 334 × 375		
(H × W × D)		type	4P		430 × 419 × 375		
		Fixed type	3P		300 × 300 × 295		
			4P		300 × 385 × 295		
Trip relay			N, A, P, S type				
Certificate & Approval			KS / KEMA / KERI / GOST				
Marine classification			-				

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

Note) 1. Life time means not guarantee, but limitation.
 Quality guarantee: On/Off frequency on the basis of IEC60947-2 within the term of guarantee
 2. The use of AN-D, AS-D and AS-F in IT systems is limited to 500 V network voltage.
 3. AS-20D, AS-40E types are equipped with vertical-only terminals.