

MCCBs for power distribution

Susol

Electrical characteristics

Frame size			[AF]
Rated current, In *			[A]
No. of poles			
Rated operational voltage, Ue		AC	[V]
		DC	[V]
Rated impulse withstand voltage, Uimp			[kV]
Rated insulation voltage, Ui [V]			
Rated ultimate short-circuit breaking capacity, Icu			
AC 50/60Hz	220/240V		[kA]
	380/415V		[kA]
	440/460V		[kA]
	480/500V		[kA]
	660/690V		[kA]
DC	250V		[kA]
	500V(2poles in series)		[kA]
Rated service breaking capacity, Ics			[%Icu]
Rated short-circuit making capacity Icm			
AC 50/60Hz	220/240V		[kA]
	380/415V		[kA]
	440/460V		[kA]
	480/500V		[kA]
	660/690V		[kA]
Category of utilization			
Isolation behavior			
Trip unit (release)			
Thermal-Magnetic			
●fixed-thermal, fixed-magnetic			FTU
●adjustable-thermal, fixed-magnetic			FMU
●adjustable-thermal, adjustable-magnetic			ATU
●magnetic only			MTU
Electronic			
●LSI			ETS
●LSI			ETM
	Option	Earth-fault protection, Ig	
		Zone selective interlocking, ZSI	
		Ammeter	
		Communication	
		Earth-leakage protection module	
Connection	fixed	front-connection	
		rear-connection	
	plug-in	front-connection	
		rear-connection	
Mechanical life			[operations]
Electrical life @ 415 V AC			[operations]
Basic dimensions, W×H×D (front connection)	1-pole		[mm]
	3-pole		[mm]
	4-pole		[mm]
Weight (front connection)	1-pole		[kg]
	3-pole		[kg]
	4-pole		[kg]
Reference standard			

※ Breaking capacity at 660/690V is for your reference. (not certified)

TE100		TE160		TD100			TD160		
100		160		100			160		
16~100		100,125,160		16, 20, 25, 32, 40, 50, 63, 80, 100			100, 125, 160 1P:16~160		
3,4		3,4		2*, 3, 4			1, 2*, 3, 4		
690		690		690			690, 1P:240		
500		500		500			500, 1P:250		
8		8		8			8		
750		750		750			750		
S	N	S	N	N	H	L	N	H	L
50	85	50	85	85	100	200	85 (1P:30)	100 (1P:50)	200
37	50	37	50	50	85	150	50	85	150
25	37	25	37	50	70	130	50	70	130
18	25	18	25	30	50	65	30	50	65
6	8	6	8	5	8	10	5	8	10
37	50	37	50	42	65	100	42 (1P:16)	65 (1P:25)	100
37	50	37	50	42	65	100	42	65	100
100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
105	187	105	187	187	220	440	187 (1P:105)	220 (1P:105)	440
77.7	105	77.7	105	105	187	330	105	187	330
52.5	77.7	52.5	77.7	105	154	286	105	154	286
36	52.5	36	52.5	63	105	143	63	105	143
9.2	13.6	9.2	13.6	8	14	17	8	14	17
A		A		A			A		
●		●		●			●		
●		●		●			●		
●		●		●			●**		
-		-		-			-		
-		-		-			-		
-		-		-			-		
-		-		-			-		
-		-		-			-		
-		-		-			-		
-		-		-			-		
-		-		-			-		
-		-		-			-		
●		●		●			●		
●		●		●			●**		
-		-		●			●**		
-		-		●			●**		
25000		25000		25000			25000		
10000		10000		10000			10000		
-		-		-			35×140×86		
76×130×82		76×130×82		90×140×86			90×140×86		
101×130×82		101×130×82		120×140×86			120×140×86		
-		-		-			0.57		
1.05		1.05		1.5			1.5		
1.35		1.35		1.8			1.8		
IEC60947-2		IEC60947-2		IEC60947-2			IEC60947-2		

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※ The trip unit ATU is available from 125A