

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		

TE100		TE160		TD100			TD160		
100		160		100			160		
16~100		100,125,160		16, 20, 25, 32, 40, 50, 63, 80, 100			1P: 16, 20, 25, 32, 40, 50, 63, 80, 100,125, 160 2, 3P: 100, 125, 160		
3,4		3,4		2 [*] , 3, 4			1, 2 [*] , 3, 4		
690		690		690			240(1P), 690		
500		500		500			250(1P), 500		
				8			8		
8		8		750			750		
S	N	S	N	N	H	L	N	H	L
50	85	50	85	85	100	200	30(1P) 85	50(1P) 100	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	16(1P) 42	25(1P) 65	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	105(1P) 187	105(1P) 220	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
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MCCBs for power distribution

Susol

TS100			TS160			TS250			TS400			TS630			TS800		
100			160			250			400			630			800		
40, 50, 63, 80, 100			(100)*, 125, 160			125, 160, 200, 250			300, 400			500, 630			700**, 800		
2*, 3, 4			2*, 3, 4			2*, 3, 4			2*, 3, 4			2*, 3, 4			2*, 3, 4		
690			690			690			690			690			690		
500			500			500			500			500			500		
8			8			8			8			8			8		
750			750			750			750			750			750		
N	H	L	N	H	L	N	H	L	N	H	L	N	H	L	N	H	L
100	120	200	100	120	200	100	120	200	100	120	200	100	120	200	100	120	200
50	85	150	50	85	150	50	85	150	65	85	150	65	85	150	65	100	150
50	70	130	50	70	130	50	70	130	65	85	130	65	85	130	65	100	130
42	65	85	42	65	85	42	65	85	42	65	85	42	65	85	42	85	100
10	15	20	10	15	20	10	15	20	10	20	35	10	20	35	10	20	35
50	85	100	50	85	100	50	85	100	50	85	100	50	85	100	50	85	100
50	85	100	50	85	100	50	85	100	50	85	100	50	85	100	50	85	100
100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
220	264	440	220	264	440	220	264	440	220	264	440	220	264	440	220	264	440
105	187	330	105	187	330	105	187	330	143	187	330	143	187	330	143	220	330
105	154	286	105	154	286	105	154	286	143	187	286	143	187	286	143	220	286
88	143	187	88	143	187	88	143	187	88	143	187	88	143	187	88	187	220
17	30	40	17	30	40	17	30	40	17	40	74	17	40	74	17	40	74
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25000			25000			25000			20000			20000			10000		
10000			10000			10000			6000			6000			3000		
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105×160×86			105×160×86			105×160×86			140×260×110			140×260×110			210×320×135		
140×160×86			140×160×86			140×160×86			186.5×260×110			186.5×260×110			280×320×135		
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2			2			2			5.4			5.4			15.1		
2.6			2.6			2.6			7.2			7.2			19.6		
IEC60947-2			IEC60947-2			IEC60947-2			IEC60947-2			IEC60947-2			IEC60947-2		

* The trip unit ATU is available from 125A

