Electrical characteristics

			TE100		TE160		TD100			TD160		
Frame size		[AF]	100		160		100			160		
Rated current, In ◆		[A]	16~100		100,125,160		16, 20, 25, 32, 40, 50, 63, 80, 100			100, 125, 160 1P:16~160		
No. of poles			3,4		3,4		2*, 3, 4			1, 2*, 3, 4		
Rated operational voltage, Ue	AC	[V]	690		690		690			690, 1P:240		
	DC	[V]	500		500		500			500, 1P:250		
Rated impulse withstand voltage, Uimp		[kV]	8		8		8			8		
Rated insulation voltage, Ui [V]			750		750		750			750		
Rated ultimate short-circuit breaking capacity, Icu			S	N	S	N	N	H	L	N	H	L
AC 50/60Hz	220/240V	[kA]	50	85	50	85	85	100	200	85 (1P:30)	100 (1P:50)	200
	380/415V	[kA]	37	50	37	50	50	85	150	50	85	150
	440/460V	[kA]	25	37	25	37	50	70	130	50	70	130
	480/500V	[kA]	18	25	18	25	30	50	65	30	50	65
	660/690V	[kA]	6	8	6	8	5	8	10	5	8	10
DC	250V	[kA]	37	50	37	50	42	65	100	42 (1P:16)	65 (1P:25)	100
	500V(2poles in series)	[kA]	37	50	37	50	42	65	100	42	65	100
Rated service breaking capacity, Ics		[%Icu]	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Rated short-circuit making capacity Icm												
AC 50/60Hz	220/240V	[kA]	105	187	105	187	187	220	440	187 (1P:105)	220 (1P:105)	440
	380/415V	[kA]	77.7	105	77.7	105	105	187	330	105	187	330
	440/460V	[kA]	52.5	77.7	52.5	77.7	105	154	286	105	154	286
	480/500V	[kA]	36	52.5	36	52.5	63	105	143	63	105	143
	660/690V	[kA]	9.2	13.6	9.2	13.6	8	14	17	8	14	17
Category of utilization			A		A		A			A		
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]	25000		25000		25000			25000		
Electrical life @ 415 V AC		[operations]	10000		10000		10000			10000		
Basic dimensions, W×H×D (front connection)	1-pole	[mm]	-		-		-			35×140×86		
	3-pole	[mm]	76×130×82		76×130×82		90×140×86			90×140×86		
	4-pole	[mm]	101×130×82		101×130×82		120×140×86			120×140×86		
Weight (front connection)	1-pole	[kg]	-		-		-			0.57		
	3-pole	[kg]	1.05		1.05		1.5			1.5		
	4-pole	[kg]	1.35		1.35		1.8			1.8		
Reference standard			IEC60947-2		IEC60947-2		IEC60947-2			IEC60947-2		

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

◆ Applicable to MCCBs equipped with FTU, FMU, ATU

** Not applicable to 1pole

* 2 pole MCCB in 3pole frame size

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			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
	A			A			A			A			A			A		
	●			●			●			●			●			●		
	●			●			●			●			●			●		
	●			●			●			●			●			●		
	-			●			●			●			●			●		
	●			●			●			●			●			●		
	●			●			●			●			●			●		
	-			-			-			●			●			●		
	-			-			-			●			●			●		
	-			-			-			●			●			●		
	-			-			-			●			●			●		
	-			-			-			●			●			●		
	-			-			-			●			●			●		
	●			●			●			●			●			●		
	●			●			●			●			●			●		
	●			●			●			●			●			●		
	●			●			●			●			●			●		
	25000			25000			25000			20000			20000			10000		
	10000			10000			10000			6000			6000			3000		
	-			-			-			-			-			-		
	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		
	-			-			-			-			-			-		
	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