

▷ MCCB (Molded Case Circuit Breakers)

- Economic VBE Type
- Rated Current 30 ~ 800AF
- Breaking Current 2.5 ~ 35kA
- 2, 3, 4 Poles



Frame Size		30AF			50AF			60AF			100AF			225AF			400AF			600AF			800AF																							
No. of Poles		2Poles	3Poles	4Poles	2Poles	3Poles	4Poles	2Poles	3Poles	4Poles	2Poles	3Poles	4Poles	*2Poles	3Poles	4Poles	*2Poles	3Poles	4Poles	*2Poles	3Poles	4Poles																								
Type		VBE 32	VBE 33		VBE 52	VBE 53	VBE 54	VBE 62	VBE 63	VBE 64	VBE 102	VBE 103	VBE 104	VBE 202	VBE 203	VBE 204	VBE 402	VBE 403	VBE 404	VBE 602	VBE 603	VBE 604	VBE 802	VBE 803	VBE 804																					
Rated Current(In)		5, 10, 15, 20, 30A			6, 10, 15, 20, 30, 40, 50A			60A			6, 10, 15, 20, 30, 40, 50, 60, 75, 100A			125, 150, 175, 200, 225A			250, 300, 350, 400A			500, 600A			700, 800A																							
Rated Insulation Voltage (Ui) AC		500V			690V			690V			690V			690V			690V			690V			690V																							
Rated Ultimate Short Circuit Breaking Capacity KSC8321(Sym) IEC60947-2(Icu) Ics=0.5Icu	AC 600V	-			5kA			5kA			7.5kA			7.6kA			18kA			22kA			22kA																							
	AC 500V/480V	-			7.5kA			7.5kA			10kA			11kA			18kA			25kA			25kA																							
	AC 460V	2.5kA			10kA			10kA			14kA			18kA			25kA			35kA			35kA																							
	AC 415V	2.5kA			10kA			10kA			14kA			18kA			25kA			35kA			35kA																							
	AC 380V	2.5kA			14kA			14kA			14kA			18kA			25kA			35kA			35kA																							
	AC 220V	5kA			25kA			25kA			25kA			35kA			35kA			50kA			50kA																							
Endurance(time)	DC 250V	-			5kA			-			5kA			-			7.5kA			-			10kA			-			10kA			-			20kA			-			20kA			-		
	mechanical	8500			8500			8500			8500			7000			4000			4000			4000			4000																				
	Electrical	1500			1500			1500			1500			1000			1000			1000			1000			1000																				
Over Current Tripping Device		Hydraulic Magnetic (HM)			Hydraulic Magnetic (HM)			Hydraulic Magnetic (HM)			Hydraulic Magnetic (HM)			Thermal Magnetic(TM)			Thermal Magnetic(TM)			Thermal Magnetic(TM)			Thermal Magnetic(TM)			Thermal Magnetic(TM)																				
Dimension(mm)	a	50	75		50	75	100	50	75	100	50	75	100	105	105	140	140	140	185	210	210	280	210	210	280																					
	b	96			130			130			130			165			257			275			275																							
	c	60			60			60			60			60			103			103			103																							
	d	80			80			80			80			84			155			155			155																							
Weight		0.33kg	0.47kg		0.45kg	0.65kg	0.85kg	0.45kg	0.65kg	0.85kg	0.45kg	0.65kg	0.85kg	1.1kg	1.2kg	1.5kg	5.2kg	6.2kg	7.8kg	11kg	11.5kg	18.2kg	11kg	11.5kg	18.2kg																					
Installing Method		Standard			Screw			Screw			Screw			Screw			Screw			Screw			Screw																							
Accessories																																														
Auxiliary Switch		AX		-			•			•			•			•			•			•			•																					
Alarm Switch		AL		-			•			•			•			•			•			•			•																					
Shunt Trip		SHT		-			•			•			•			•			•			•			•																					
Terminal Cover		TC		-			•			•			•			•			•			•			•																					
Insulation Barrier		IB		-			•			•			•			•			•			•			•																					
Other Detailed Information		A4-8			A2-20			A2-20			A2-22			A2-26			A2-28			A2-30			A2-32																							

* No S-Phase at 3-Pole for 2-Pole with 225AF or more

▷ MCCB (Molded Case Circuit Breakers)

- Standard VBS Type
- Rated Current 30 ~ 800AF
- Breaking Current 10 ~ 50kA
- 2, 3, 4 Poles



Frame Size		30AF			50AF			60AF			100AF			225AF			400AF			600AF			800AF		
No. of Poles		2poles	3poles	4poles	2poles	3poles	4poles	2poles	3poles	4poles	2poles	3poles	4poles	*2poles	3poles	4poles	*2poles	3poles	4poles	*2poles	3poles	4poles	*2poles	3poles	4poles
Type		VBS 32	VBS 33	VBS 34	VBS 52	VBS 53	VBS 54	VBS 62	VBS 63	VBS 64	VBS 102	VBS 103	VBS 104	VBS 202	VBS 203	VBS 204	VBS 402	VBS 403	VBS 404	VBS 602	VBS 603	VBS 604	VBS 802	VBS 803	VBS 804
Rated Current(In)		6, 10, 15, 20, 30A			6, 10, 15, 20, 30, 40, 50A			60A			15, 20, 30, 40, 50, 60, 75, 100A			125, 150, 175, 200, 225A			250, 300, 350, 400A			500, 600A			700, 800A		
Rated Insulation Voltage (Ui) AC		690V			690V			690V			690V			690V			690V			690V			690V		
Rated Ultimate Short Circuit Breaking Capacity KSC8321(Sym) IEC60947-2(Icu) Ics=0.5xIcu	AC 600V	5kA			7.5kA			7.5kA			10kA			10kA			22kA			35kA			35kA		
	AC 500V/480V	7.5kA			10kA			10kA			14kA			14kA			25kA			45kA			45kA		
	AC 460V	10kA			14kA			14kA			25kA			25kA			35kA			50kA			50kA		
	AC 415V	10kA			14kA			14kA			25kA			25kA			35kA			50kA			50kA		
	AC 380V	14kA			14kA			14kA			25kA			25kA			35kA			50kA			50kA		
	AC 220V	25kA			25kA			25kA			50kA			50kA			50kA			100kA			100kA		
Endurance(time)	mechanical	8500			8500			8500			8500			7000			4000			4000			4000		
	Electrical	1500			1500			1500			1500			1000			1000			1000			1000		
Over Current Tripping Device		Hydraulic Magnetic (HM)			Hydraulic Magnetic (HM)			Hydraulic Magnetic (HM)			Hydraulic Magnetic (HM)			Thermal Magnetic (TM)			Thermal Magnetic (TM)			Thermal Magnetic(TM)			Thermal Magnetic(TM)		
Dimension(mm)	a	50	75	100	50	75	100	50	75	100	60	90	120	105	105	140	140	140	185	210	210	280	210	210	280
	b	130			130			130			130			155			165			257			275		
	c	60			60			60			60			60			103			103			103		
	d	80			80			80			82			84			155			155			155		
Weight		0.45kg	0.65kg	0.85kg	0.45kg	0.65kg	0.85kg	0.45kg	0.65kg	0.85kg	0.7kg	1.0kg	1.2kg	1.1kg	1.2kg	1.5kg	5.2kg	6.2kg	7.8kg	11kg	11.5kg	18.2kg	11kg	11.5kg	18.2kg
Installing Method		Standard			Screw			Screw			Screw			Screw			Screw			Screw			Screw		
Accessories																									
Auxiliary Switch	AX	•			•			•			•			•			•			•			•		
Alarm Switch	AL	•			•			•			•			•			•			•			•		
Shunt Trip	SHT	•			•			•			•			•			•			•			•		
Terminal Cover	TC	•			•			•			•			•			•			•			•		
Insulation Barrier	IB	•			•			•			•			•			•			•			•		
Other Detailed Information		A2-20			A2-22			A2-22			A2-24			A2-26			A2-28			A2-30			A2-32		

▷ MCCB (Molded Case Circuit Breakers)

- High Interrupting Capacity VBH Type
- Rated Current 30 ~ 400AF
- Breaking Current 14 ~ 50kA
- 2, 3, 4 Poles



Frame Size		30AF			50AF			60AF			100AF			225AF			400AF		
No. of Poles		2 Poles	3 Poles	4 Poles	2 Poles	3 Poles	4 Poles	2 Poles	3 Poles	4 Poles	2 Poles	3 Poles	4 Poles	*2 Poles	3 Poles	4 Poles	*2 Poles	3 Poles	4 Poles
Type		VBH 32	VBH 33	VBH 34	VBH 52	VBH 53	VBH 54	VBH 62	VBH 63	VBH 64	VBH 102	VBH 103	VBH 104	VBH 202	VBH 203	VBH 204	VBH 402	VBH 403	VBH 404
Rated Current(In)		6, 10, 15, 20, 30A			15, 20, 30, 40, 50A			60A			15, 20, 30, 40, 50, 60, 75, 100A			125, 150, 175, 200, 225A			250, 300, 350, 400A		
Rated Insulation Voltage (Ui) AC		690V			690V			690V			690V			690V			690V		
Rated Ultimate Short Circuit Breaking Capacity KSC8321(Sym) IEC60947-2(Icu) Ics=0.5xIcu	AC 600V	7.5kA			10kA			10kA			18kA			18kA			30kA		
	AC 500V/480V	10kA			14kA			14kA			25kA			25kA			35kA		
	AC 460V	14kA			25kA			25kA			25kA			35kA			50kA		
	AC 415V	14kA			25kA			25kA			35kA			35kA			50kA		
	AC 380V	14kA			25kA			25kA			35kA			35kA			50kA		
	AC 220V	25kA			50kA			50kA			65kA			65kA			85kA		
Endurance(time)	mechanical	8500			8500			8500			8500			7000			4000		
	Electrical	1500			1500			1500			1500			1000			1000		
Over Current Tripping Device		Hydraulic Magnetic (HM)			Thermal Magnetic (TM)			Hydraulic Magnetic (HM)			Thermal Magnetic (TM)			Thermal Magnetic (TM)			Thermal Magnetic (TM)		
Dimension(mm)	a	50	75	100	60	90	120	60	90	120	60	90	120	105	105	140	140	140	185
	b	130			155			155			155			165			257		
	c	60			60			60			60			60			103		
	d	80			82			82			82			84			155		
Weight		0.45kg	0.65kg	0.85kg	0.7kg	1.0kg	1.2kg	0.45kg	0.65kg	0.85kg	0.7kg	1.0kg	1.2kg	1.1kg	1.2kg	1.5kg	5.2kg	6.2kg	7.8kg
Installing Method		Standard Screw			Screw			Screw			Screw			Screw			Screw		
Accessories																			
Auxiliary Switch		AX			•			•			•			•			•		
Alarm Switch		AL			•			•			•			•			•		
Shunt Trip		SHT			•			•			•			•			•		
Terminal Cover		TC			•			•			•			•			•		
Insulation Barrier		IB			•			•			•			•			•		
Other Detailed Information		A2-22			A2-24			A2-24			A2-24			A2-26			A2-28		

▷ MCCB (Molded Case Circuit Breakers)

- Current Limiting VBL Type
- Rated Current 50 ~ 800AF
- Breaking Current 65kA
- 2, 3, 4 Poles



Frame Size		50AF			100AF			225AF			400AF			600AF			800AF		
No. of Poles		2Poles	3Poles	4Poles	2Poles	3Poles	4Poles	2Poles	3Poles	4Poles	2Poles	3Poles	4Poles	2Poles	3Poles	4Poles	2Poles	3Poles	4Poles
Type		VBL 52	VBL 53	VBL 54	VBL 102	VBL 103	VBL 104	VBL 202	VBL 203	VBL 204	VBL 402	VBL 403	VBL 404	VBL 602	VBL 603	VBL 604	VBL 802	VBL 803	VBL 804
Rated Current(In)		15, 20, 30, 40, 50A			15, 20, 30, 40, 50, 60, 75, 100A			125, 150, 175, 200, 225A			250, 300, 350, 400A			500, 600A			700, 800A		
Rated Insulation Voltage (Ui) AC		690V			690V			690V			690V			690V			690V		
Rated Ultimate Short Circuit Breaking Capacity KSC8321(Sym) IEC60947-2(Icu) Ics=0.5xIcu	AC 600V	35kA			35kA			35kA			35kA			42kA			42kA		
	AC 500V/480V	42kA			42kA			42kA			50kA			50kA			50kA		
	AC 460V	65kA			65kA			65kA			65kA			65kA			65kA		
	AC 415V	65kA			65kA			65kA			65kA			65kA			65kA		
	AC 380V	65kA			65kA			65kA			65kA			65kA			65kA		
	AC 220V	100kA			100kA			100kA			125kA			125kA			125kA		
Endurance(time)	DC 250V	40kA		-	40kA		-	40kA		-	40kA		-	40kA		-	40kA		-
	mechanical	8500			8500			7000			4000			4000			4000		
	Electrical	1500			1500			1000			1000			1000			1000		
Over Current Tripping Device		Hydraulic Magnetic (HM)			Thermal Magnetic (TM)			Thermal Magnetic (TM)			Thermal Magnetic (TM)			Thermal Magnetic (TM)			Thermal Magnetic (TM)		
Dimension(mm)	a	74	105	140	74	105	140	74	105	140	140	140	185	210	210	280	210	210	280
	b	165			165			165			257			275			275		
	c	82			82			82			103			103			103		
	d	104			104			104			155			155			155		
Weight		1.1kg	1.4kg	1.9kg	1.1kg	1.4kg	1.9kg	1.1kg	1.4kg	1.9kg	5.2kg	6.2kg	7.8kg	11kg	11.5kg	18.2kg	11kg	11.5kg	18.2kg
Installing Method	Standard	Screw			Screw			Screw			Screw			Screw			Screw		
Accessories																			
Auxiliary Switch	AX	•			•			•			•			•			•		
Alarm Switch	AL	•			•			•			•			•			•		
Shunt Trip	SHT	•			•			•			•			•			•		
Terminal Cover	TC	•			•			•			•			•			•		
Insulation Barrier	IB	•			•			•			•			•			•		
Other Detailed Information		A2-34			A2-34			A2-34			A2-28			A2-30			A2-32		