

DB

Basic form

10

number of pole	
2	2pole
3	3pole
4	4pole

3

S

Separation of olds and news	
D	Old products
b	New products

b

/

100

Rated current
3A
5A
10A
15A
20A
30A
40A
50A
60A
75A
100A
125A
150A
175A
200A
225A

AX

Accessory	
AX	Auxiliary contact
AL	Alarm contact
SHT	Voltage trip device
ZCT	ZCT embedded
DH	external-control handle (surface-attached type)

Ampere Frame	
3	30AF
5	50AF
6	60AF
10	100AF
20	225AF

Type	
C	Economic
S	Standard
H	High-insulation
L	Limiting

- ※ Accessory is unavailable to install for Economic 30AF
- ※ Please mark the rated voltage for SHT.
Ex) SHT - 220V

01 → → MOLDED CASE CIRCUIT BREAKERS | ECONOMIC TYPE, STANDARD TYPE

MOLDED CASE CIRCUIT BREAKERS(MCCB) ECONOMIC TYPE



Frame Size(AF)		30AF			50AF			60AF			100AF		
Model		DB32Cb	DB33Cb	DB52Cb	DB53Cb	DB54Cb	DB62Cb	DB63Cb	DB64Cb	DB102Cb	DB103Cb	DB104Cb	
Number of Poles		2	3	2	3	4	2	3	4	2	3	4	
ZCT Built-In					0			0			0		
Rating	Rated Current	A (5, 10) (Note1) 15, 20, 30			(5, 10)15, 20, 30, 40, 50			15, 20, 30, 40, 50, 60			15, 20, 30, 40, 50, 60, 75, 100		
	Rated Voltage	AC(V) 460			600			600			600		
		DC(V) 125			250			250			250		
Rated Insulation Voltage		V 460			690			690			690		
Ultimate Breaking	AC	600V			5			5			7.5		
	Capacity(kA)	480/500V			7.5			7.5			10		
KSC8321(Sym)		460V (2.5)5			(5)10			10			14		
ICE60947-2(Icu)		415V 5			10			10			14		
Ics=0.5Icu		380V 5			14			14			18		
		220V (5)10			(10)25			25			25		
	DC	250V (5)10			5			5			7.5		
		125V			10			10			14		
Over Current Trip		Oil Dash Pot			Oil Dash Pot			Oil Dash Pot			Oil Dash Pot		
Accessories	Auxiliary switch	AX			○			○			○		
	Alarm switch	AL			○			○			○		
	Shunt trip	SHT			○			○			○		
	Direct rotary handle	DH			○			○			○		
	Terminal shield	○			○			○			○		
	Insulation barrier	○			○			○			○		
External Dimensions(mm)	a	50	75	50	75	100	50	75	100	50	75	100	
	b	96			130			130			130		
	c	60			60			60			60		
	d	80			80			80			80		
Certificates Obtained		KS, CE			KS, CE			KS, CE			KS, CE		

MOLDED CASE CIRCUIT BREAKERS(MCCB) STANDARD TYPE



Frame Size(AF)		30AF			50AF			60AF			100AF		
Model		DB32Sb	DB33Sb	DB34Sb	DB52Sb	DB53Sb	DB54Sb	DB62Sb	DB63Sb	DB64Sb	DB102Sb	DB103Sb	DB104Sb
Number of Poles		2	3	4	2	3	4	2	3	4	2	3	4
ZCT Built-In					0			0			0		
Rating	Rated Current	A 5, 10, 15, 20, 30			15, 20, 30, 40, 50			15, 20, 30, 40, 50, 60			15, 20, 30, 40, 50, 60, 75, 100		
	Rated Voltage	AC(V) 600			600			600			600		
		DC(V) 250			250			250			250		
Rated Insulation Voltage		V 690			690			690			690		
Ultimate Breaking	AC	600V 5			7.5			7.5			10		
	Capacity(kA)	480/500V 7.5			10			10			14		
KSC8321(Sym)		460V 10			14			14			25		
ICE60947-2(Icu)		415V 10			14			14			25		
Ics=0.5Icu		380V 14			18			18			25		
		220V 25			25			25			50		
	DC	250V 5			7.5			7.5			14		
		125V 10			14			14			20		
Over Current Trip		Oil Dash Pot			Oil Dash Pot			Oil Dash Pot			Thermal Magnetic		
Accessories	Auxiliary switch	AX			○			○			○		
	Alarm switch	AL			○			○			○		
	Shunt trip	SHT			○			○			○		
	Direct rotary handle	DH			○			○			○		
	Terminal shield	○			○			○			○		
	Insulation barrier	○			○			○			○		
External Dimensions(mm)	a	50	75	100	50	75	100	50	75	100	60	90	120
	b	130			130			130			155		
	c	60			60			60			60		
	d	80			80			80			80		
Certificates Obtained		KS, CE			KS, CE			KS, CE			KS	KS, CE	

MOLDED CASE CIRCUIT BREAKERS(MCCB) HIGH INTERRUPTING CAPACITY TYPE



Frame Size(AF)		30 AF			50 AF		
Model		DB32Hb	DB33Hb	DB34Hb	DB52Hb	DB53Hb	DB54Hb
Number of Poles		2	3	4	2	3	4
ZCT Built-In			0			0	
Rating	Rated Current	A			15, 20, 30		
	Rated Voltage	AC(V)			600		
	DC(V)	250		-	250		-
	Rated Insulation Voltage	V			690		
Ultimate Breaking Capacity(kA)	AC	600V	7.5		10		
KSC 8321(Sym)		480/500V	10		14		
ICE60947-2(Icu)		460V	14		25		
Ics=0.5Icu		415V	14		25		
		380V	18		25		
		220V	25		50		
DC	250V	7.5		-	14		-
	125V	14		-	20		-
Over Current Trip		Oil Dash Pot			Thermal Magnetic		
Accessories	Auxiliary switch	AX		○			○
	Alarm switch	AL		○			○
	Shunt trip	SHT		○			○
	Direct rotary handle	DH		○			○
	Terminal shield			○			○
	Insulation barrier			○			○
External Dimensions(mm)	a	50	75	100	60	90	120
	b		130			155	
	c		60			60	
	d		80			80	
Certificates Obtained		KS, CE			KS, CE		

MOLDED CASE CIRCUIT BREAKERS(MCCB) CURRENT LIMITING TYPE



Frame Size(AF)		new 50 AF		new 100 AF		new 225 AF	
Model		DB53L	DB54L	DB103L	DB104L	DB203L	DB204L
Number of Poles		3	4	3	4	3	4
ZCT Built-In			0		0		0
Rating	Rated Current	A		20, 30, 40, 50		20, 30, 40, 50, 60, 75, 100	
	Rated Voltage	AC(V)		600		600	
	DC(V)	250	-	250	-	250	-
	Rated Insulation Voltage	V		690		690	
Ultimate Breaking Capacity(kA)	AC	600V	35	35	35	35	35
KSC 8321(Sym)		480/500V	42	42	42	42	42
ICE60947-2(Icu)		460V	65	65	65	65	65
Ics=0.5Icu		415V	65	65	65	65	65
		380V	65	65	65	65	65
		220V	125	125	125	125	125
DC	250V	40	-	40	-	40	-
	125V	60	-	60	-	60	-
Over Current Trip		Thermal Magnetic		Thermal Magnetic		Thermal Magnetic	
Accessories	Auxiliary switch	AX	-	-	-	-	-
	Alarm switch	AL	-	-	-	-	-
	Shunt trip	SHT	-	-	-	-	-
	Direct rotary handle	DH	-	-	-	-	-
	Terminal shield		-	-	-	-	-
	Insulation barrier		○	○	○	○	○
External Dimensions(mm)	a	105	140	105	140	105	140
	b		165		165		165
	c		78.9		78.9		78.9
	d		109		109		109
Certificates Obtained		Safety Certificate		Safety Certificate		Safety Certificate	




225AF			400AF			600AF			new 630AF			800AF		
DB202Cb	DB203Cb	DB204Cb	DB402C	DB403C	DB404C	DB602C	DB603C	DB604C	DB632C	DB633C	DB634C	DB802C	DB803C	DB804C
2	3	4	2	3	4	2	3	4	2	3	4	2	3	4
0			0											
125, 150, 175, 200, 225			250, 300, 350, 400			500, 600			500, 600, 630			700, 800		
600			600			600			600			600		
250		-	250		-	250		-	250		-	250		-
690			690			690			690			690		
7.5			18			22			22			22		
10			22			25			25			25		
18			30			35			35			35		
18			30			42			42			42		
35			42			50			50			50		
10		-	10		-	20		-	20		-	20		-
15		-	20		-	30		-	30		-	30		-
Thermal Magnetic			Thermal Magnetic			Thermal Magnetic			Thermal Magnetic			Thermal Magnetic		
○			○			○			○			○		
○			○			○			○			○		
○			○			○			○			○		
○			-			-			-			-		
○			○			-			-			-		
○			○			○			○			○		
105		140	140		184	210		280	140		184	210		280
165			257			275			257			275		
60			103			103			103			103		
82.5			133			149			133			149		
KS	KS, CE		KS	KS(350,400A Except),CE		KS	KS, CE		KS	KS, CE		KS	KS, CE	



225AF			400AF			600AF			new 630AF			800F		
DB202Sb	DB203Sb	DB204Sb	DB402S	DB403S	DB404S	DB602S	DB603S	DB604S	DB632S	DB633S	DB634S	DB802S	DB803S	DB804S
2	3	4	2	3	4	2	3	4	2	3	4	2	3	4
0			0											
100, 125, 150, 175, 200, 225			250, 300, 350, 400			500, 600			500, 600, 630			700, 800		
600			600			600			600			600		
250		-	250		-	250		-	250		-	250		-
690			690			690			690			690		
10			22			25			25			25		
14			25			45			45			45		
25			35			50			50			50		
25			42			65			65			65		
50			50			100			100			100		
14		-	20		-	40		-	40		-	40		-
20		-	30		-	50		-	50		-	50		-
Thermal Magnetic			Thermal Magnetic			Thermal Magnetic			Thermal Magnetic			Thermal Magnetic		
○			○			○			○			○		
○			○			○			○			○		
○			○			○			○			○		
○			-			-			-			-		
○			○			-			-			-		
○			○			○			○			○		
105		140	140		184	210		280	140		184	210		280
165			257			275			257			275		
60			103			103			103			103		
82.5			133			149			133			149		
KS	KS, CE		KS	KS, CE		KS	KS, CE		KS	KS, CE		KS	KS, CE	

※ Please write "ZCT" by the side of product name when you order ZCT internal type.(ex:DB104CB-ZCT)

new
 Frame size 1600AF


Model		DB1603Sa		
Number of poles		3		
Rated current I _n		1000, 1250, 1600		
Rated insulation voltage U _i		690V		
Rated operating voltage U _e		400V		
I _{cu} 400V/50HZ O-CO (KA) Rated ultimate short-circuit breaking capacity		65	85	100
I _{cs} 400V/50HZ O-CO-CO (KA) Rated service short-circuit breaking capacity (I _{cs} =0.75I _{cu})		50	63.75	75
Rated Insulfion Vallage (V)		690		
U _{imp} (V) Rated impulse withstand voltage		8000		
Dielectric property (V)		3000		
Endurance	Total cycles	3000		
	Electrical endurance	500		
	Mechanical endurance	2500		
Ionization distance (mm)		≤80/0		
Over current trip unit	Thermal magnetic release	O		
Utilization category	Intelligent trip unit	O		
	Main circuit	B		
	Auxiliary circuit	AC-15		
Accessories	Auxiliary switch AX	○		
	Alarm switch AL	○		
	Shunt trip SHT	○		
	Direct rotary handle DH	○		
	Terminal shield	○		
	Insulation barrier	○		
External dimensions (mm)	W (a)	210		
	L (b)	406		
	H (c)	138.5		

