Leading Innovation, Creating Tomorrow

Low Voltage Circuit Breakers



Electric Equipment





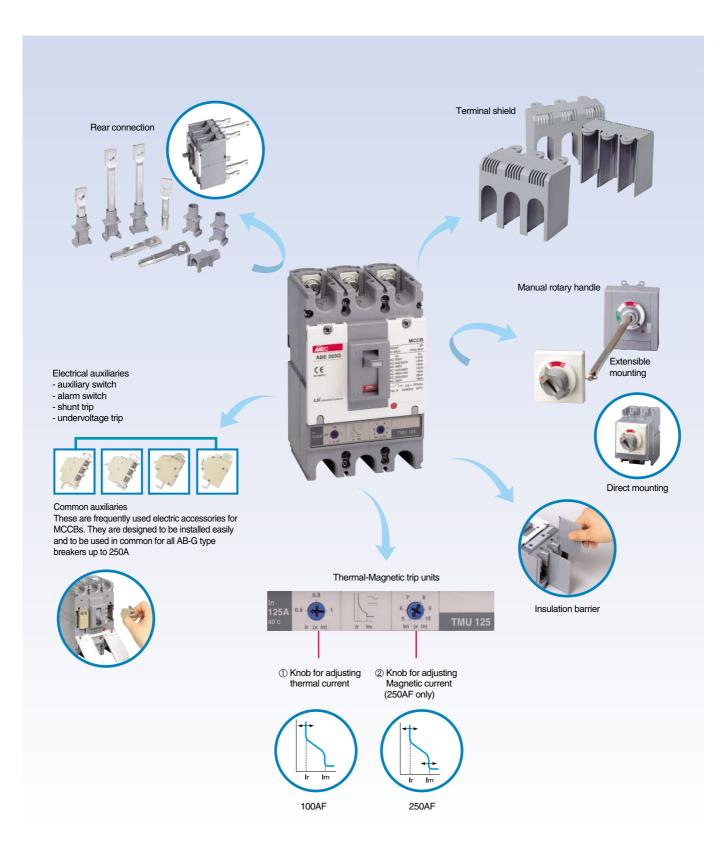
AB-G type adjustable MCCBs up to 250A



Suitable for use in the system where common fault currents

- Interrupting capacify...16 and 25kA
- Employing a adjustable trip unit
- Current adjustments are made by knobs on the front of the trip unit
- Electric auxiliaries are common use up to 250 amperes

Accessories



Ratings

100AF



Frame size			100AF			
Type and Pole			ABE		A	BS
		3-pole	ABE	103G	ABS	103G
		4-pole	ABE	104G	ABS	104G
Rated current, In		16, 20, 25, 32, 40, 50, 63, 80, 100A				
			Therm	ally adjustable	e : (0.8-0.9-1.0)	× In
Rated operational voltage, Ue		AC : 600V				
				DC :	250V	
Rated insulation voltage, Ui			690V			
Rated impulse withstand voltage, Uimp				6	٨V	
Rated short-circuit breaking capacity, Icu		600V	7.5kA		10kA	
IEC60947-2(lcu) Ics=75%lcu		500/550V	10kA		12kA	
		480V	12kA		14kA	
		440/460V	14kA		22kA	
		380/415V	16kA		25kA	
		220/240V	35kA		50kA	
	DC 250V		10kA		14kA	
	125V					-
Protective function				Overload,	Short-circuit	
Type of trip unit				Thermal	-Magnetic	
Magnetic trip range				10 × I	n (fixed)	
		anical	20000 operations			
		rical	10000 operations			
		lard	Front connection			
		nal	Rear connection			
Mounting	Standard		Screw fixing			
Dimensions(mm)	Pole		Зр	4р	Зр	4р
	а		90	120	90	120
	b		140		14	40
	c1 *		79		79	
	c2 *		86		86	
	d		115		115	
Weight, kg	Stand	lard	1.2	1.5	1.2	1.5
Certification	CE marking		0		0	
		4	0		0	

 * Depth by door cut size : C1 for large cut, C2 for small cut

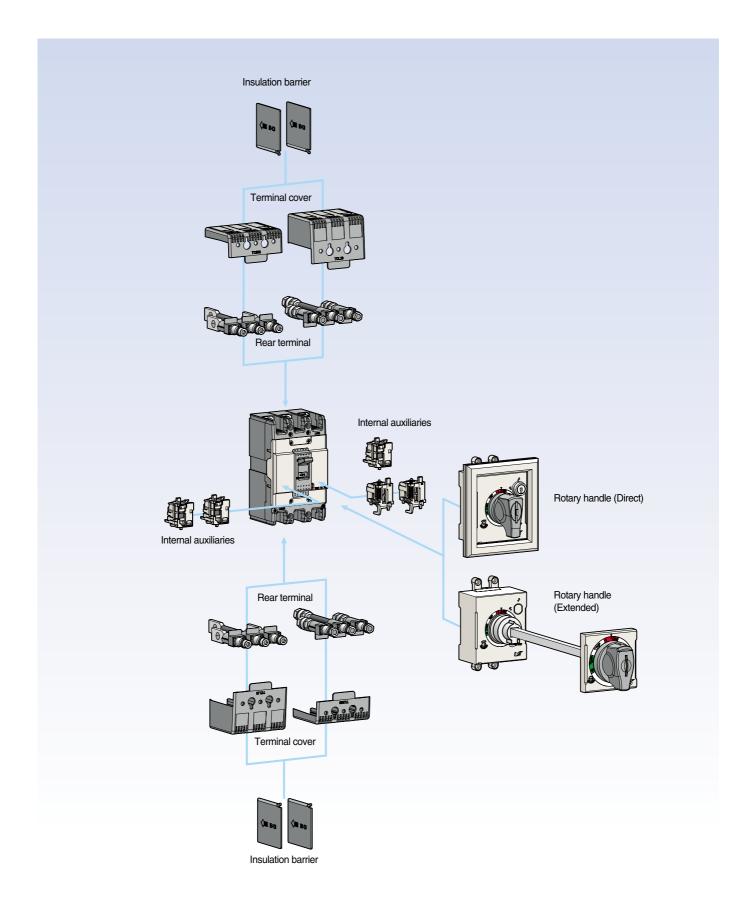
250AF

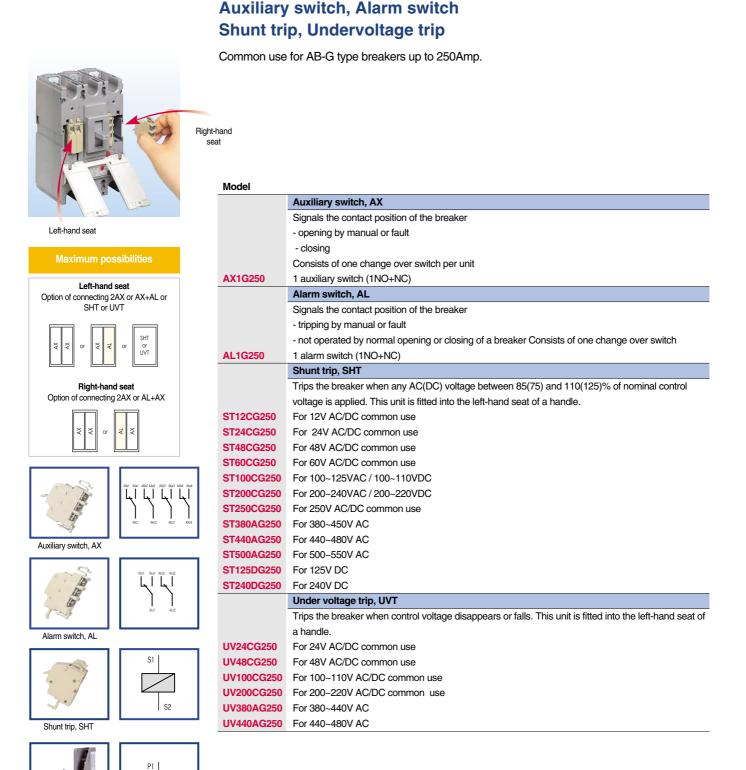


Frame size			250AF				
Type and Pole			A	ABE		ABS	
		3-pole	ABE	203G	ABS2	203G	
		4-pole	ABE	204G	ABS204G		
Rated current, In		125,160,200,250A					
		Thermally adjustable : (0.8-0.9-1.0) $ imes$ In					
Rated operational voltage, Ue		AC : 600V					
				DC :	250V		
Rated insulation voltage, Ui			690V				
Rated impulse withstand voltage, Uimp				6	٨V		
Rated short-circuit breaking capacity, Icu	AC	600V	7.5kA		10kA		
IEC60947-2(lcu)		500/550V	10kA		12kA		
lcs=75%lcu	•	480V	12kA		14kA		
		440/460V	14kA		22kA		
		380/415V	16kA		25kA		
		220/240V	35kA		50kA		
	DC	250V	10kA		14kA		
		125V	-		-		
Protective function				Overload,	Short-circuit		
Type of trip unit				Thermal	-Magnetic		
Magnetic trip range				(5, 6, 7, 8	s, 9, 10) × In		
Endurance Me		anical	10000 operations				
	Electrical		5000 operations				
Connection Standard Optional		lard	Front connection				
		nal	Rear connection				
Mounting	Standard		Screw fixing				
Dimensions(mm)	Pole		Зр	4р	Зр	4р	
	а		105	140	105	140	
	b		165		165		
	c1 *		79		79		
	c2 *		86		86		
			1	16	11	6	
Weight, kg	Stanc	lard	1.7	2.1	1.7	2.1	
Certification	CE m	arking	0		0		
		4	0		0		

 * Depth by door cut size : C1 for large cut, C2 for small cut

Accessories





Under voltage trip, UVT

P2

External accessories

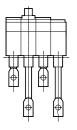




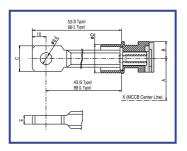
Insulation barriers



Rear connection kits



Bar type



Insulation barriers Terminal shields Rear connection kits

Model					
	Insulation barriers				
	These are partitions for the insulation between the phases.				
	Barriers for the line side of the breaker are supplied as standard.				
	Barriers for the load side are optional.				
	Common use for all AB-G type breakers up to 250Amp.				
IBG250	One(1) barrier				
	Terminal shields				
	These are applied to the line/load side of the breaker to prevent				
	accidental contact with live parts.				
	Different by breaker dimensions.				
	Use 3pole shield for 2pole breakers				
TB-13T	Long type shield for 3-p, 100AF				
TB-14T	Long type shield for 4-p, 100AF				
TBS-13T	Short type shield for 3-p, 100AF				
TBS-14T	Short type shield for 4-p, 100AF				
TB-23T	Long type shield for 3-p, 250AF				
TB-24T	Long type shield for 4-p, 250AF				
TBS-23T	Short type shield for 3-p, 250AF				
TBS-24T	Short type shield for 4-p, 250AF				
	Rear connection kits Bar type				
X-103	one set for 3-p, 100AF				
X-104	one set for 4-p, 100AF				
X-203	one set for 3-p, 250AF				
X-204	one set for 4-p, 250AF				

Manual rotary handles



Direct mounting type



Extensible mounting type

Model	
	Direct mounting
	Applicable for 100AF
D-30S	Vertical type
D-30L	Horizontal (ON in left-hand) type
D-30R	Horizontal (ON in right-hand) type
	Applicable for 250AF
D-60S	Vertical type
D-60L	Horizontal (ON in left-hand) type
D-60R	Horizontal (ON in right-hand) type
	Extensible mounting
	Applicable for 100AF
E-30S	Vertical type
E-30L	Horizontal (ON in left-hand) type
E-30R	Horizontal (ON in right-hand) type
	Applicable for 250AF
E-60S	Vertical type
E-60L	Horizontal (ON in right-hand) type
E-60R	Horizontal (ON in right-hand) type







Horizontal type ON in left-hand

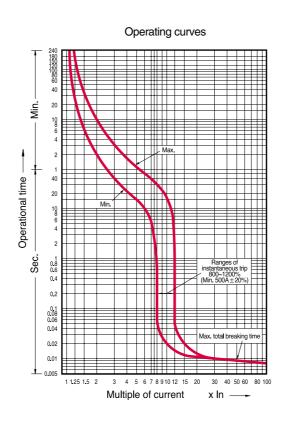


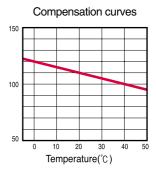
in Tester" Horizontal type ON in right-hand

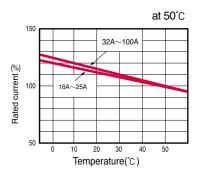
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Oprating curves

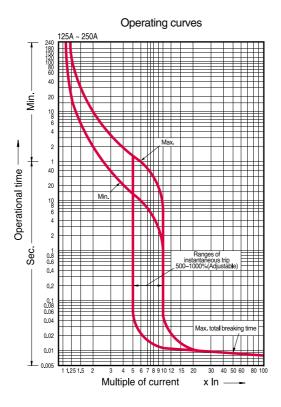
ABE103G ABE104G ABS103G ABS104G

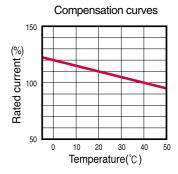


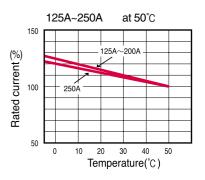






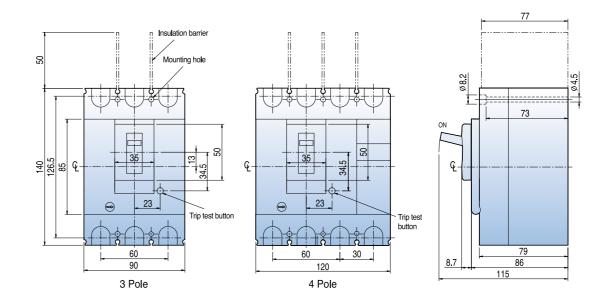


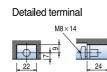


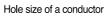


Dimensions









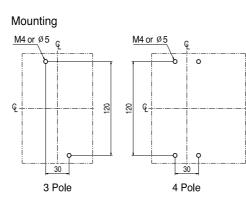
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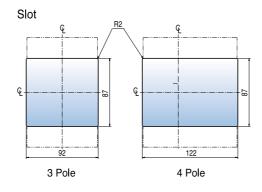
t=6

16.5

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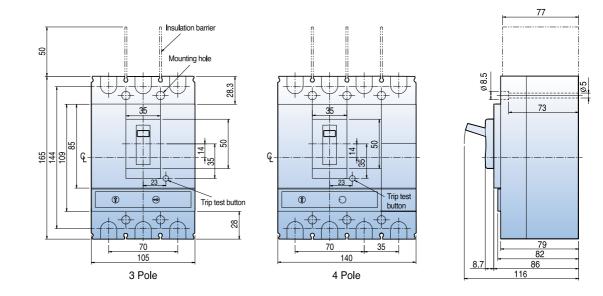
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Dimensions

ABE203G ABE204G ABS203G ABS204G



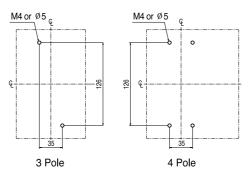


Hole size of a conductor

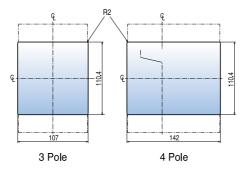




Mounting



Slot



Memo

Memo

Leading Innovation, Creating Tomorrow



- · For your safety, please read user's manual thoroughly before operating
- · Contact the nearest authorized service facility for examination, repair, or adjustment.
- Please contact qualified service technician when you need maintenance.
 Do not disassemble or repair by yourself!
- Any maintenance and inspection shall be performed by the personnel having expertise concerned.

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