

100AF MCCB

ABN100c

Metasol



ABN102c

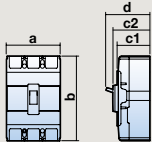


ABN103c



ABN104c

Ratings

Frame size			100AF		
Type and Pole			N-Type		
	2-pole		ABN102c		
	3-pole		ABN103c		
	4-pole		ABN104c		
Rated current, In		15-20-30-40-50-60-75-100A			
Rated operational voltage, Ue		AC: 690V			
		DC: 500V			
Rated insulation voltage, Ui		AC: 750V			
Rated impulse withstand voltage, Uimp		8kV			
Rated short-circuit breaking capacity, Icu			N-Type		
IEC 60947-2 (Icu) Ics=100%Icu	AC	690V	5kA		
		480/500V	10kA		
		460V	18kA		
	DC	415V	18kA		
		380V	22kA		
		220/250V	35kA		
DC		500V(3P)	10kA		
	250V(2P)	10kA			
Protective function			Overload, Short-circuit		
Type of trip unit			Thermal-Magnetic		
Magnetic trip range			400A		
Endurance	Mechanical	25000 operations			
	Electrical	10000 operations			
Connection	Standard	Front connection			
	Optional	Rear connection			
		Plug-in			
Mounting	Standard	Screw fixing			
Dimensions (mm)		Pole	2p	3p	4p
	a		50	75	100
	b		130	130	130
	c1 Note)		60	60	60
	c2 Note)		64	64	64
	d		82	82	82
	Weight, kg	Standard	0.5	0.7	0.9
Certification		Pole	2p	3p	4p
CE marking		CE	○	○	○

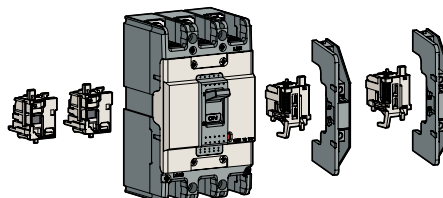
Note) 1. Depth by door cut size : c1 for large cut, c2 for small cut
2. 4-Pole product's ampacity on neutral conductor is equal to or less than 50% of the rated current.

Ordering types

Breaker types

ABN type (14kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
15 A	ABN102c/15	ABN103c/15	ABN104c/15
20 A	ABN102c/20	ABN103c/20	ABN104c/20
30 A	ABN102c/30	ABN103c/30	ABN104c/30
40 A	ABN102c/40	ABN103c/40	ABN104c/40
50 A	ABN102c/50	ABN103c/50	ABN104c/50
60 A	ABN102c/60	ABN103c/60	ABN104c/60
75 A	ABN102c/75	ABN103c/75	ABN104c/75
100 A	ABN102c/100	ABN103c/100	ABN104c/100

Accessories



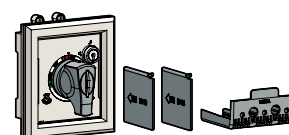
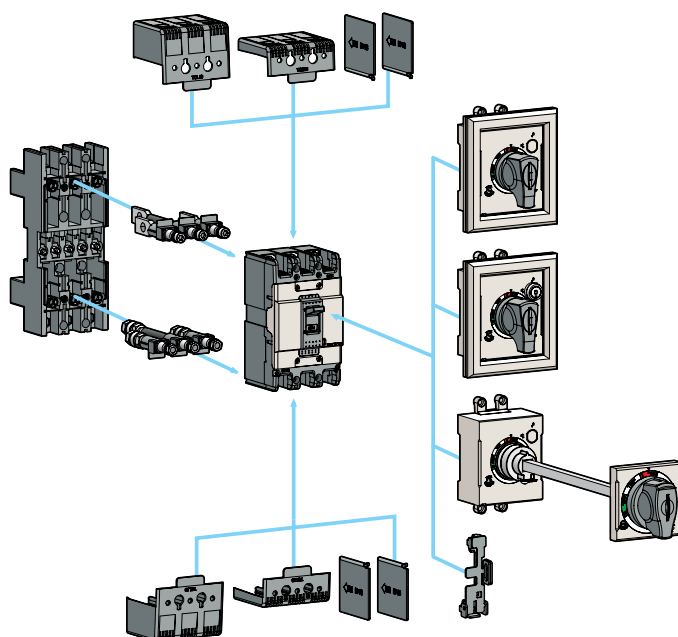
Electrical auxiliaries

AX	Auxiliary Switch	
AL	Alarm Switch	
AX+AL	Combination switch	
SHT	Shunt Trip	
UVT	Undervoltage trip	

Maximum possibilities

T-position	One of above auxiliaries
R-position	Option of AX or AL or AX+AL

Note) For more detail see 74 page



External accessories

ABN100c	Name
IB13	Insulation barrier
TCL13	Terminal cover (Long) - Inde type, D-Handle type, N-Handle type
TCS13	Terminal cover (Short) - Inde type, D-Handle type, N-Handle type
DH100	Rotary handle (Direct)
DHK100	Rotary handle (Direct, Key lock)
EH100	Rotary handle (Extended)
RTB1	Rear terminal (Bar)
RTR1	Rear terminal (Round)
PB-A3	Plug-in kit
Handle Lock	

Note) For more detail see 82 page

- Inde type: This cover is used without auxiliary Handle.
- D-Handle type: This cover is used with D-Handle.
- N-Handle type: This cover is used with N-Handle.

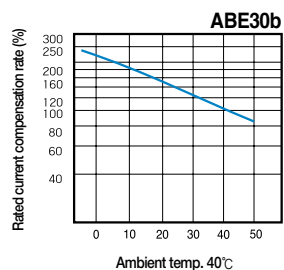
Characteristics curves

Breaker types

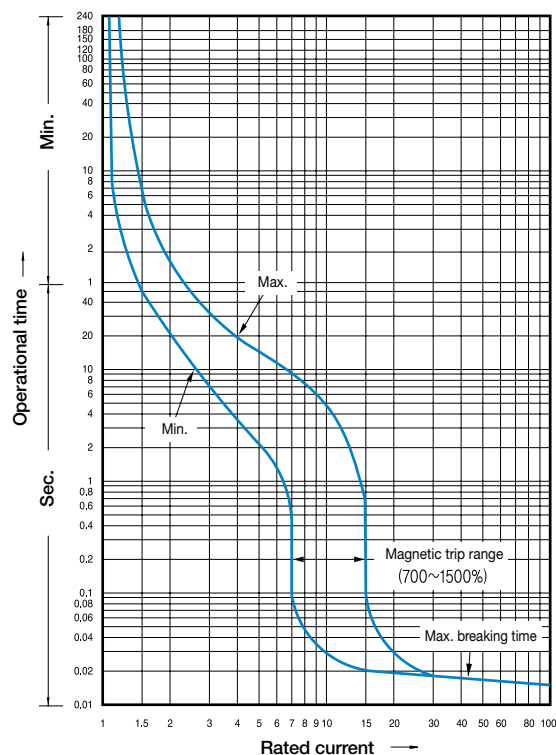
MCCB

ABE30b

Compensation curves



Rated current: 3~30A (ABE)



Breaker types

MCCB

ABN50c/60c/100c/100d

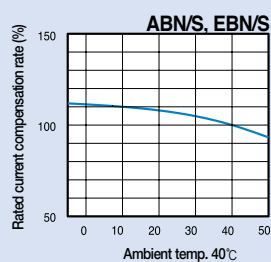
ABS30c/50c/60c

ELCB

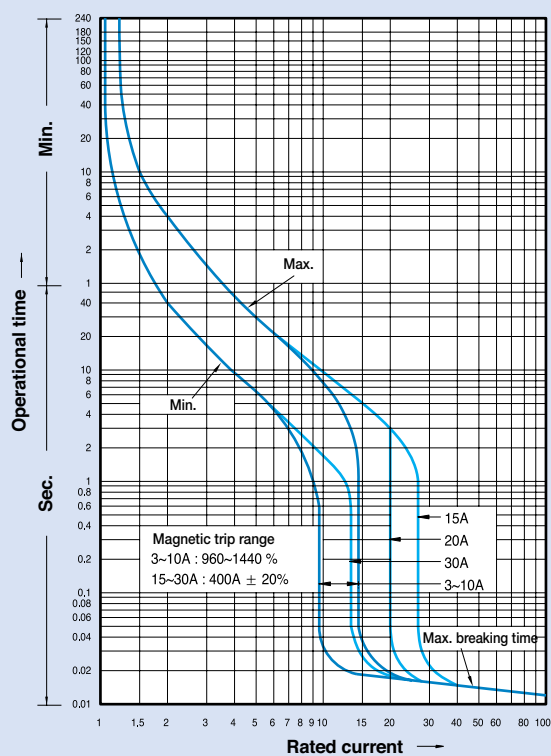
EBN50c/60c/100c

EBS30c/50c/60c

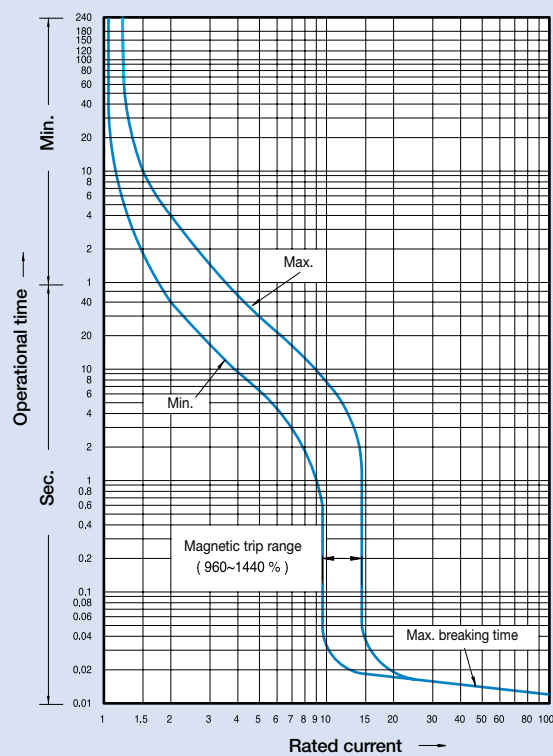
Compensation curves



Rated current: 3~30A (ABN/S,EBN/S)



Rated current: 40~100A (ABN/S,EBN/S)



MCCB

ABN50c

ABS30c

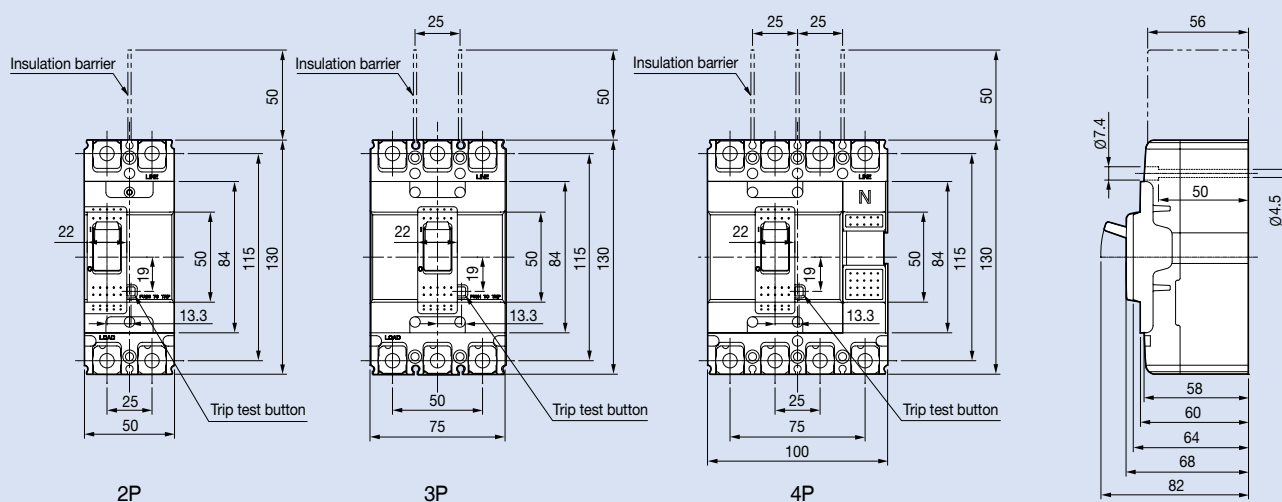
ABN60c

ABS50c

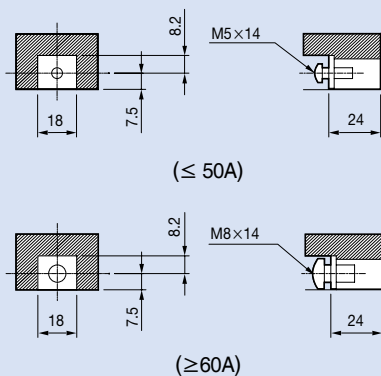
ABN100c/100d

ABS60c

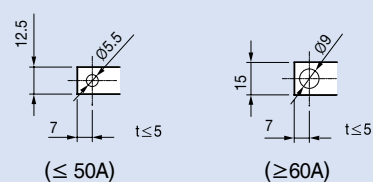
(mm)



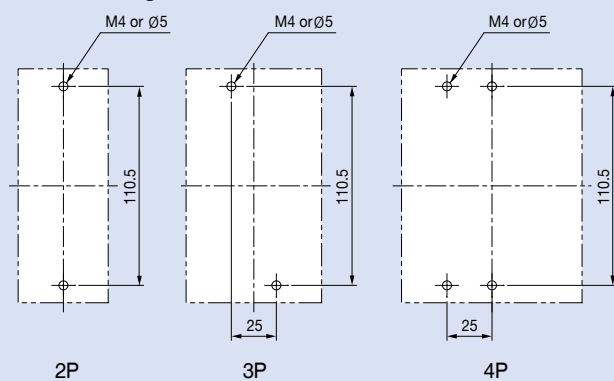
Terminal details



Connecting



Panel drilling



Front panel cutting

