

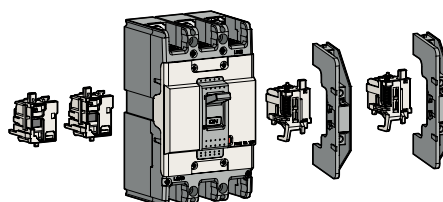
Ordering types

Breaker types

ABN type (14kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
15 A	ABN62c/15	ABN63c/15	ABN64c/15
20 A	ABN62c/20	ABN63c/20	ABN64c/20
30 A	ABN62c/30	ABN63c/30	ABN64c/30
40 A	ABN62c/40	ABN63c/40	ABN64c/40
50 A	ABN62c/50	ABN63c/50	ABN64c/50
60 A	ABN62c/60	ABN63c/60	ABN64c/60

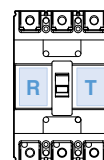
ABS type (18kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
15 A	ABS62c/15	ABS63c/15	ABS64c/15
20 A	ABS62c/20	ABS63c/20	ABS64c/20
30 A	ABS62c/30	ABS63c/30	ABS64c/30
40 A	ABS62c/40	ABS63c/40	ABS64c/40
50 A	ABS62c/50	ABS63c/50	ABS64c/50
60 A	ABS62c/60	ABS63c/60	ABS64c/60

Accessories



Electrical auxiliaries

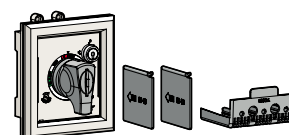
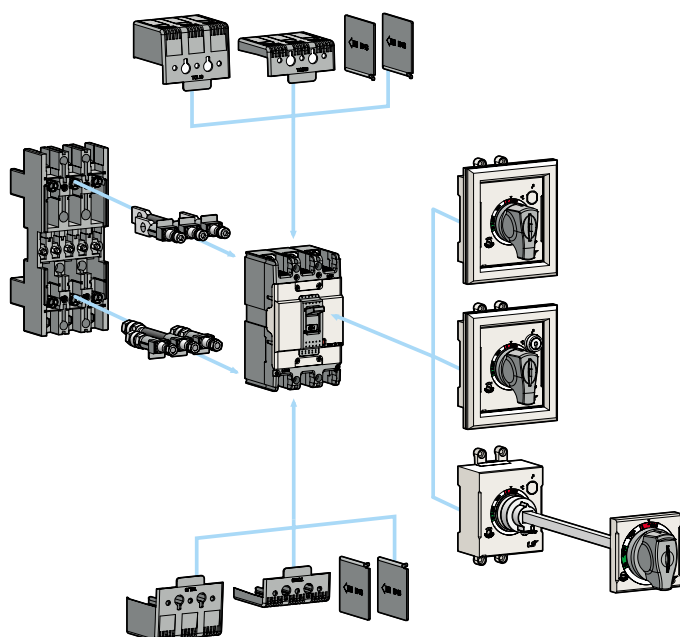
AX	Auxiliary Switch
AL	Alarm Switch
AX+AL	Combination switch
SHT	Shunt Trip
UVT	Undervoltage trip



Maximum possibilities

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

Note) For more detail see 72 page



External accessories

ABS60c ABN60c	Name
IB13	Insulation barrier
TCL13	Terminal cover (Long)
TCS13	Terminal cover (Short)
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
PHL100	Pad handle lock

Note) For more detail see 80 page

100AF MCCB

ABN100c

Metasol



ABN102c



ABN103c

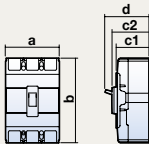


ABN104c

For more information

- Drawings ► 93 page
- Trip curves ► 87 page
- Accessories ► 72 page
- Connection and mounting ► 110 page

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		
		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 <i>Note)</i>		60	60	60
	c2 <i>Note)</i>		64	64	64
	d		82	82	82
Weight, kg		Standard	0.5	0.7	0.9
Certification		Pole	2p	3p	4p
CE marking		CE	○	○	○

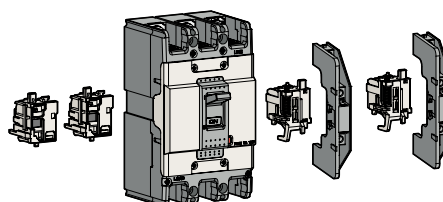
Note) Depth by door cut size : c1 for large cut, c2 for small cut

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



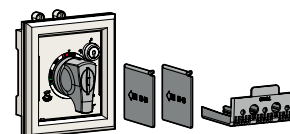
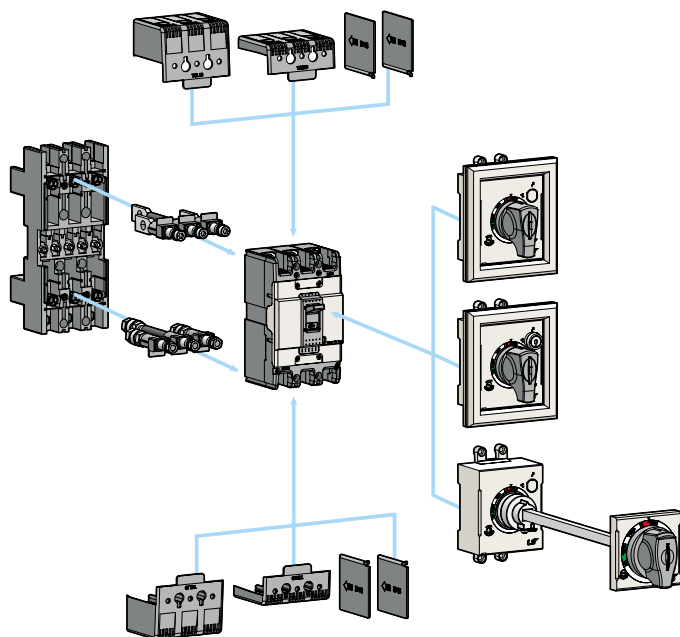
Electrical auxiliaries

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 72 page



External accessories

ABN100c	Name
IB13	Insulation barrier
TCL13	Terminal cover (Long)
TCS13	Terminal cover (Short)
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
PHL100	Pad handle lock

Note) For more detail see 80 page

125AF MCCB

ABS125c, ABH125c



ABS102c



ABS103c

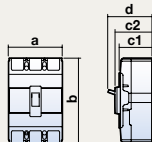


ABS104c

For more information

- Drawings ► 94 page
- Trip curves ► 88 page
- Accessories ► 72 page
- Connection and mounting ► 110 page

Ratings

Frame size			125AF					
Type and Pole			S-Type			H-Type		
2-pole			ABS102c			ABH102c		
3-pole			ABS103c			ABH103c		
4-pole			ABS104c			ABH104c		
Rated current, In			15-20-30-40-50-60-75-100-125A					
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			S-Type			H-Type		
IEC 60947-2 (Icu) Ics=100%Icu	AC	690V	8kA			10kA		
		480/500V	26kA			35kA		
		460V	37kA			50kA		
		415V	37kA			50kA		
		380V	42kA			50kA		
	220/250V	85kA			100kA			
DC	500V(3P)	20kA			30kA			
	250V(2P)	20kA			30kA			
Protective function			Overload, Short-circuit					
Type of trip unit			Thermal-Magnetic					
Magnetic trip range			12 × In (30A and under: 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	2p	3p	4p
	a		60	90	120	60	90	120
	b		155			155		
	c1 Note)		60			60		
	c2 Note)		64			64		
	d		82			82		
Weight, kg	Standard	0.7	1	1.2	0.7	1	1.2	
Certification		Pole	2p	3p	4p	2p	3p	4p
CE marking		CE	○			○		

Note) Depth by door cut size : c1 for large cut, c2 for small cut