

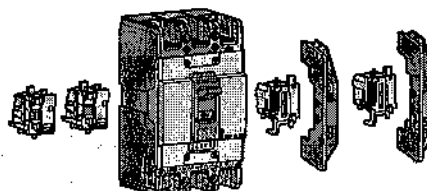
Ordering types

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

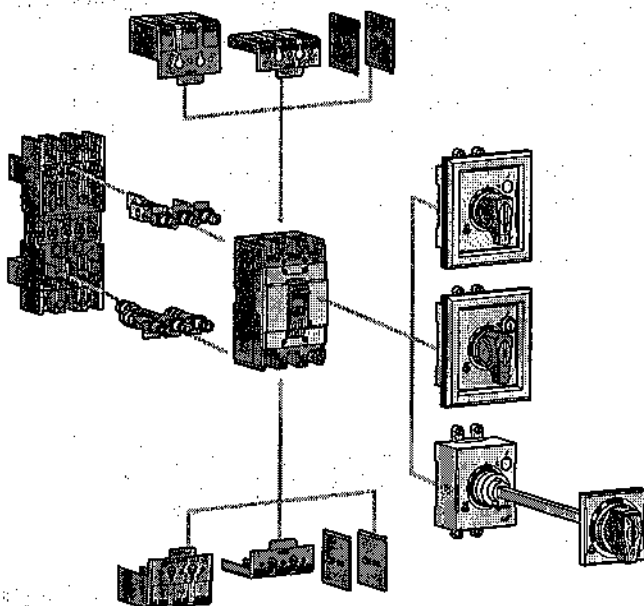
AX	Auxiliary Switch
AL	Alarm Switch
AX+AL	Combination switch
SHT	Shunt Trip
UVT	Undervoltage trip



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

Ratings



ABN102c



ABN103c



ABN104c

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		
	DC	350V	22kA		
		220/250V	35kA		
		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	o	o	o

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

For more information

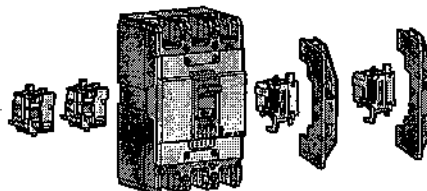
- Drawings ▶ 83 page
- Trip curves ▶ 87 page
- Accessories ▶ 72 page
- Connection and mounting ▶ 110 page

Ordering types

Breaker types

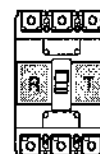
ABN type (14kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
15 A	ABN102c/15	ABN103c/15	ABN104c/15
20 A	ABN102c/20	ABN103c/20	ABN104c/20
30 A	ABN102c/30	ABN103c/30	ABN104c/30
40 A	ABN102c/40	ABN103c/40	ABN104c/40
50 A	ABN102c/50	ABN103c/50	ABN104c/50
60 A	ABN102c/60	ABN103c/60	ABN104c/60
75 A	ABN102c/75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

Accessories



Electrical auxiliaries

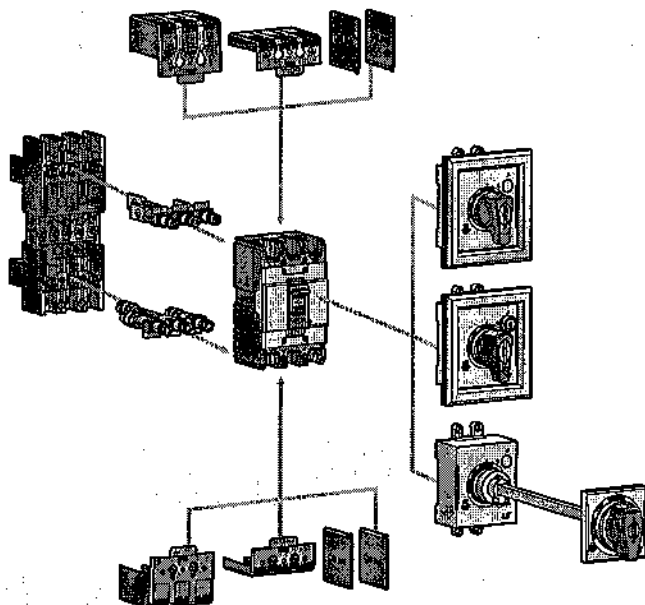
AX	Auxiliary Switch
AL	Alarm Switch
AX+AL	Combination switch
SHT	Shunt Trip
UVT	Undervoltage trip



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
IBT3	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

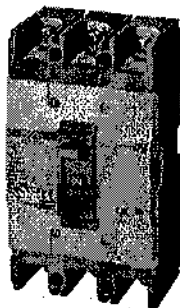
125AF MCCB

ABS125c, ABH125c

Ratings



ABS102c



ABS103c



ABS104c

For more information

- Drawings ► 84 page
- Trip curves ► 88 page
- Accessories ► 72 page
- Connection and mounting ► 110 page

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		
AC	690V	8kA				10kA		
	480/500V	26kA				35kA		
IEC 60947-2 (Icu)		460V				50kA		
Ics=100%Icu	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						
Mounting		Plug-in						
		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			CC	o			o	

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