

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, I _n		15-20-30-40-50-60-75-100A			
Rated operational voltage, U _e		AC: 690V			
		DC: 500V			
Rated insulation voltage, U _i		AC: 750V			
Rated impulse withstand voltage, U _{imp}		8kV			
Rated short-circuit breaking capacity, I_{cu}		N-Type			
AC	690V	5kA			
	480/500V	10kA			
IEC 60947-2 (I _{cu})		460V			18kA
I _{cs} =100%I _{cu}	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
Certification		Pole	2p	3p	4p
CE marking			○	○	○

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

For more information

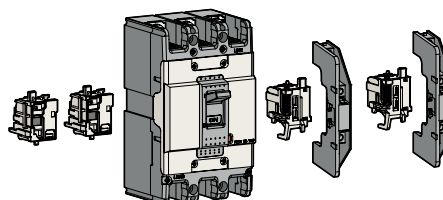
- Drawings ▶ 76 page
- Trip curves ▶ 72 page
- Accessories ▶ 60 page
- Connection and mounting ▶ 89 page

Ordering types

Breaker types

ABN type (14kA/460V)			
Rated current, I _n	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



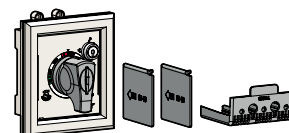
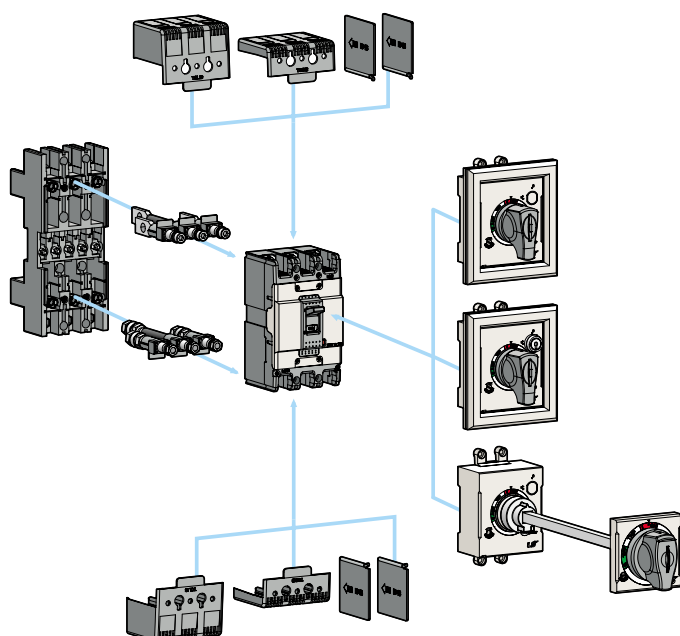
Electrical auxiliaries

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 60 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 65 page