

# 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		<b>100AF</b>			
Type and Pole		<b>N-Type</b>			
2-pole		<b>ABN102c</b>			
3-pole		<b>ABN103c</b>			
4-pole		<b>ABN104c</b>			
Rated current, I <sub>n</sub>		15-20-30-40-50-60-75-100A			
Rated operational voltage, U <sub>e</sub>		AC: 690V			
		DC: 500V			
Rated insulation voltage, U <sub>i</sub>		AC: 750V			
Rated impulse withstand voltage, U <sub>imp</sub>		8kV			
Rated short-circuit breaking capacity, I <sub>cu</sub>		<b>N-Type</b>			
AC 690V		5kA			
480/500V		10kA			
IEC 60947-2 (I <sub>cu</sub> )		<b>460V</b>			
460V		18kA			
I <sub>cs</sub> =100%I <sub>cu</sub>		415V			
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
Certification		Pole	2p	3p	4p
CE marking		☐	○	○	○

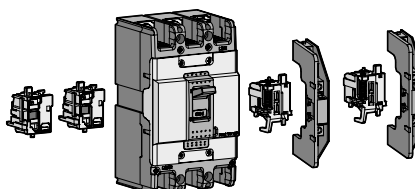
Note) Depth by door cut size : c1 for large cut, c2 for small cut

## Ordering types

### Breaker types

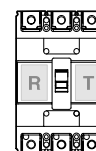
ABN type (14kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
15 A	ABN102c/15	ABN103c/15	ABN104c/15
20 A	ABN102c/20	ABN103c/20	ABN104c/20
30 A	ABN102c/30	ABN103c/30	ABN104c/30
40 A	ABN102c/40	ABN103c/40	ABN104c/40
50 A	ABN102c/50	ABN103c/50	ABN104c/50
60 A	ABN102c/60	ABN103c/60	ABN104c/60
75 A	ABN102c/75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

### Accessories



### Electrical auxiliaries

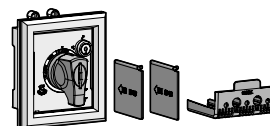
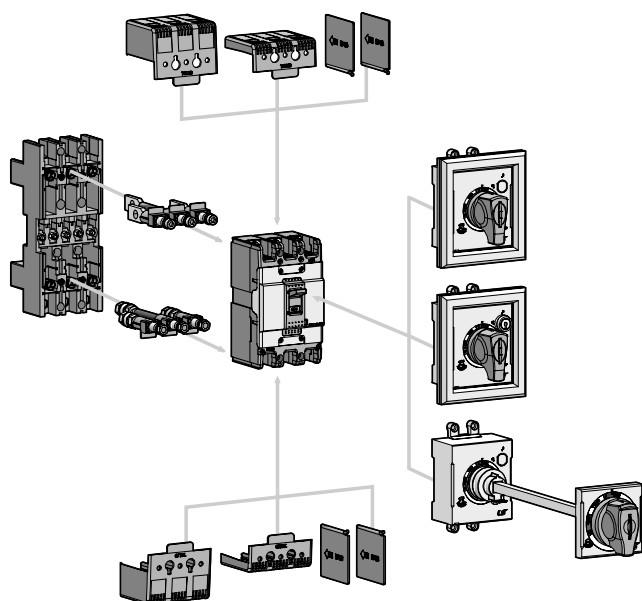
<b>AX</b>	Auxiliary Switch
<b>AL</b>	Alarm Switch
<b>AX+AL</b>	Combination switch
<b>SHT</b>	Shunt Trip
<b>UVT</b>	Undervoltage trip



### Maximum possibilities

<b>T-position</b>	One of above auxiliaries
<b>R-position</b>	Option of AX or AL or AX+AL

Note) For more detail see 72 page



### External accessories

ABN100c	Name
<b>IB13</b>	Insulation barrier
<b>TCL13</b>	Terminal cover (Long)
<b>TCS13</b>	Terminal cover (Short)
<b>DH100</b>	Rotary handle (Direct)
<b>DHK100</b>	Rotary handle (Direct, Key lock)
<b>EH100</b>	Rotary handle (Extended)
<b>RTB1</b>	Rear terminal (Bar)
<b>RTR1</b>	Rear terminal (Round)
<b>PB-A3</b>	Plug-in kit
<b>PHL100</b>	Pad handle lock

Note) For more detail see 80 page