

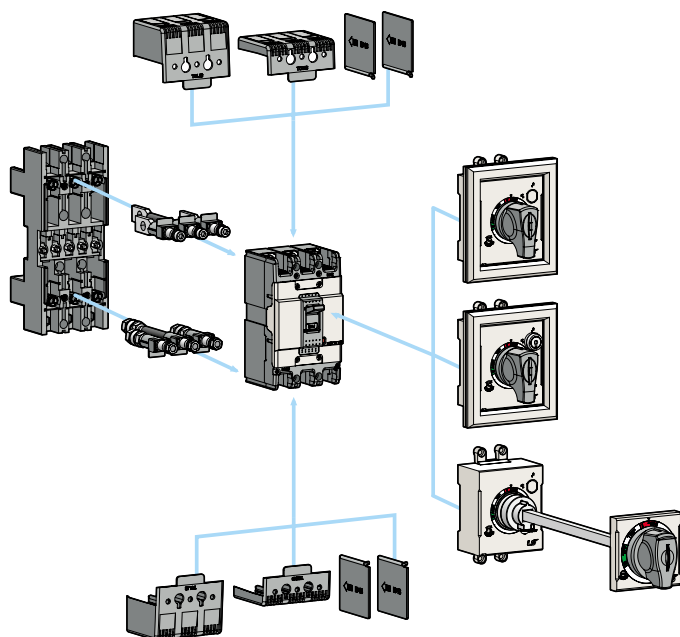
Ordering types

Breaker types

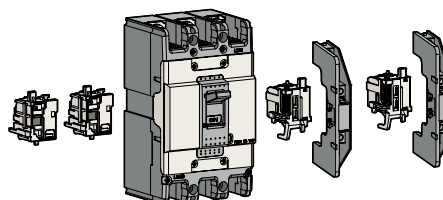
ABN type (14kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
15 A	ABN52c/15	ABN53c/15	ABN54c/15
20 A	ABN52c/20	ABN53c/20	ABN54c/20
30 A	ABN52c/30	ABN53c/30	ABN54c/30
40 A	ABN52c/40	ABN53c/40	ABN54c/40
50 A	ABN52c/50	ABN53c/50	ABN54c/50

ABS type (18kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
15 A	ABS52c/15	ABS53c/15	ABS54c/15
20 A	ABS52c/20	ABS53c/20	ABS54c/20
30 A	ABS52c/30	ABS53c/30	ABS54c/30
40 A	ABS52c/40	ABS53c/40	ABS54c/40
50 A	ABS52c/50	ABS53c/50	ABS54c/50

ABH type (50kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
15 A	ABH52c/15	ABH53c/15	ABH54c/15
20 A	ABH52c/20	ABH53c/20	ABH54c/20
30 A	ABH52c/30	ABH53c/30	ABH54c/30
40 A	ABH52c/40	ABH53c/40	ABH54c/40
50 A	ABH52c/50	ABH53c/50	ABH54c/50



Accessories



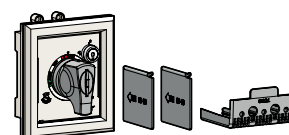
Electrical auxiliaries

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

ABN50c ABS50c	ABH50c	Name
IB13	IB23	Insulation barrier
TCL13	TCL23	Terminal cover (Long)
TCS13	TCS23	Terminal cover (Short)
DH100	DH125	Rotary handle (Direct)
DHK100	DHK125	Rotary handle (Direct, Key lock)
EH100	EH125	Rotary handle (Extended)
-	RTB2	Rear terminal (Bar)
RTR1	RTR2	Rear terminal (Round)
PB-A3	PB-C3	Plug-in kit
PHL100	PHL125	Pad handle lock

Note) For more detail see 65 page

60AF MCCB

ABN60c, ABS60c



ABS62c



ABS63c



ABS64c

Ratings

Frame size		60AF						
Type and Pole		N-Type			S-Type			
	2-pole	ABN62c			ABS62c			
	3-pole	ABN63c			ABS63c			
	4-pole	ABN64c			ABS64c			
Rated current, I _n		15-20-30-40-50-60A						
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			S-Type			
AC	690V	2.5kA			5kA			
	480/500V	7.5kA			10kA			
IEC 60947-2 (I _{cu})		460V			18kA			
I _{cs} =100%I _{cu}	415V	14kA			18kA			
	380V	18kA			22kA			
	220/250V	30kA			35kA			
DC	500V(3P)	5kA			10kA			
	250V(2P)	5kA			10kA			
Protective function		Overload, Short-circuit						
Type of trip unit		Thermal-Magnetic						
Magnetic trip range		12 × I _n (30A and under: 400A)						
Endurance	Mechanical	25000 operations						
	Electrical	10000 operations						
Connection	Standard	Front connection						
	Optional	Rear connection						
Mounting		Screw fixing						
Dimensions (mm)		Pole	2p	3p	4p	2p	3p	4p
	a		50	75	100	50	75	100
	b			130			130	
	c1 <small>Note)</small>			60			60	
	c2 <small>Note)</small>			64			64	
	d			82			82	
	Weight, kg	Standard	0.5	0.7	0.9	0.5	0.7	0.9
Certification		Pole	2p	3p	4p	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