

50AF MCCB

ABN50c, ABS50c, ABH50c

Meiasol



ABS52c



ABS53c



ABS54c

Ratings

Frame size			50AF											
Type and pole			N-type			S-type			H-type					
			2-pole			ABN52c			ABS52c			ABH52c		
			3-pole			ABN53c			ABS53c			ABH53c		
			4-pole			ABN54c			ABS54c			ABH54c		
Rated current, I _n			15-20-30-40-50A											
Rated operational voltage, U _e			AC: 690V											
			DC: 500V											
Rated insulation voltage, U _i			AC: 1,000V											
Rated impulse withstand voltage, U _{imp}			8kV											
Rated short-circuit breaking			N-type			S-type			H-type					
capacity, I _{cu}	AC	690V	2.5kA			5kA			10kA					
		480/500V	7.5kA			10kA			35kA					
		460V	14kA			18kA			50kA					
		415V	14kA			18kA			50kA					
		380V	18kA			22kA			50kA					
		220/250V	30kA			35kA			100kA					
	DC	500V (3P)	5kA			10kA			30kA					
		250V (2P)	5kA			10kA			30kA					
I _{cs} =%×I _{cu}			100%			100%			100%					
Protective function			Overload, Short-circuit											
Type of trip unit			Thermal-Magnetic											
Magnetic trip range			12×I _n (30A and under: 400A)											
Endurance	Mechanical		25,000 operations											
	Electrical		10,000 operations											
Connection	Standard		Front connection											
	Optional		Rear connection											
			Plug-in											
Mounting	Standard		Screw fixing											
Dimensions (mm)		Pole	2p	3p	4p	2p	3p	4p	2p	3p	4p			
		a	50	75	100	50	75	100	60	90	120			
		b	130			130			155					
		c1 Note)	60			60			60					
		c2 Note)	64			64			64					
		d	82			82			82					
Weight, kg		Standard	0.5	0.7	0.9	0.5	0.7	0.9	0.7	1	1.2			
Certification		Pole	2p	3p	4p	2p	3p	4p	2p	3p	4p			
CE marking		CE	○			○			○					

Note) 1. Depth by door cut size : c1 for large cut, c2 for small cut

2. 4-pole product's ampacity on neutral conductor is equal to or less than 50% of the rated current.

For more information

- Drawings ▶ 106, 107 page
- Trip curves ▶ 101, 102 page
- Accessories ▶ 74 page
- Connection and mounting ▶ 127 page

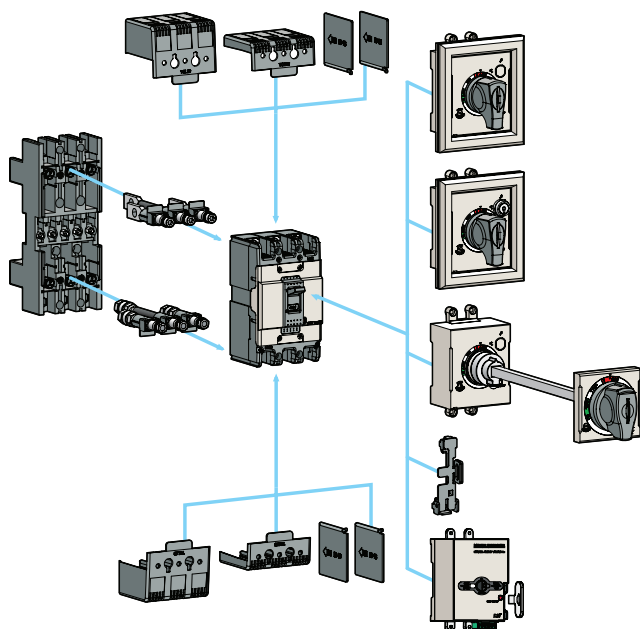
Ordering types

Breaker types

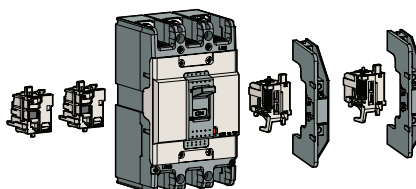
ABN type (14kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
15 A	ABN52c/15	ABN53c/15	ABN54c/15
20 A	ABN52c/20	ABN53c/20	ABN54c/20
30 A	ABN52c/30	ABN53c/30	ABN54c/30
40 A	ABN52c/40	ABN53c/40	ABN54c/40
50 A	ABN52c/50	ABN53c/50	ABN54c/50

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

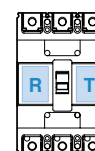


Accessories



Electrical auxiliaries

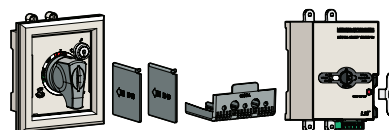
AX	Auxiliary switch
AL	Alarm switch
AX+AL	Combination switch
SHT	Shunt trip
UVT	Undervoltage trip



Maximum possibilities

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

Note) For more detail see 74 page



External accessories

ABN50c ABS50c	ABH50c	Name
IB13	IB23	Insulation barrier
TCL13	TCL23	Terminal cover (Long) - Inde type, D-handle type, N-handle type
TCS13	TCS23	Terminal cover (Short) - Inde type, D-handle type, N-handle type
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
Handle lock		
MOP-M1	MOP-M2	Remote operation

Note) For more detail see 82 page

- Inde type: This cover is used without auxiliary handle.
- D-handle type: This cover is used with D-handle.
- N-handle type: This cover is used with N-handle.