

800AF MCCB

ABN800c, ABS800c, ABL800c

Metasol



ABS803c

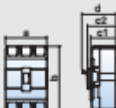


ABL804c

For more information

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Ratings

Frame size		800AF									
Type and pole		N-type				S-type				L-type	
		2-pole		ABN802c		ABS802c		ABL802c			
		3-pole		ABN803c		ABS803c		ABL803c			
		4-pole		ABN804c		ABS804c		ABL804c			
Rated current, In		500-630-700-800A									
Rated operational voltage, Ue		AC: 690V									
		DC: 500V									
Rated insulation voltage, Ui		AC: 1000V									
Rated impulse withstand voltage, Uimp		8kV									
Rated short-circuit breaking capacity, Icu		AC		N-type		S-type		L-type			
IEC 60947-2 (Icu)	690V	8kA		10kA		14kA					
	480/500V	25kA		45kA		65kA					
	415/480V	37kA		65kA		85kA					
	380V	45kA		75kA		100kA					
	220/250V	50kA		85kA		125kA					
	DC 500V (3P)	10kA		20kA		40kA					
	250V (2P)	10kA		20kA		40kA					
Ics=%×Icu		100%		100%		75%					
Protective function		Overload, short-circuit									
Type of trip unit		Thermal-magnetic									
Magnetic trip range		8~12In									
Life cycle ^{Note3)}	Mechanical	2,500 operations									
	Electrical	500 operations									
Connection	Standard	Front connection									
	Optional	Plug-in									
Mounting	Standard	Screw fixing									
Dimensions (mm)		Pole	2p	3p	4p	2p	3p	4p	2p	3p	4p
	a		210	210	280	210	210	280	210	210	280
	b		280			280			280		
	c1 ^{Note1)}		109			109			109		
	c2 ^{Note1)}		113			113			113		
	d		145			145			145		
Weight, kg	Standard		11	11.5	18.2	11	11.5	18.2	11	11.5	18.2
Certification		Pole	2p	3p	4p	2p	3p	4p	2p	3p	4p
CE marking		CE	O			O			O		

^{Note1)} Depth by door cut size: c1 for large cut, c2 for small cut

^{Note2)} 4-pole product's capacity on neutral conductor is equal to or less than 50% of the rated current.

^{Note3)} Life cycle means not guarantee but limitation

(Quality guarantee: On/Off frequency on the basis of IEC60947-2 within the term of guarantee.)

Ordering types

Breaker types

ABN type (37kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
500 A	ABN802c/500	ABN803c/500	ABN804c/500
630 A	ABN802c/630	ABN803c/630	ABN804c/630
700 A	ABN802c/700	ABN803c/700	ABN804c/700
800 A	ABN802c/800	ABN803c/800	ABN804c/800

ABS type (65kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
500 A	ABS802c/500	ABS803c/500	ABS804c/500
630 A	ABS802c/630	ABS803c/630	ABS804c/630
700 A	ABS802c/700	ABS803c/700	ABS804c/700
800 A	ABS802c/800	ABS803c/800	ABS804c/800

ABL type (85kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
500 A	ABL802c/500	ABL803c/500	ABL804c/500
630 A	ABL802c/630	ABL803c/630	ABL804c/630
700 A	ABL802c/700	ABL803c/700	ABL804c/700
800 A	ABL802c/800	ABL803c/800	ABL804c/800

Accessories



Electrical auxiliaries

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



Maximum possibilities

T-position	Option of 2AX, 2AL and SHT or UVT
R-position	Option of 2AX, 2AL and SHT or UVT

Note) For more detail see 7-2 page



External accessories

B-33C	Insulation barrier
T1-63A	Terminal cover (Long) - 2, 3pole
T1-64A	Terminal cover (Long) - 4pole
N-80	Rotary handle (Direct)
E-80U	Rotary handle (Extended)
MI-83S	Mechanical interlock - 2, 3pole
MI-84S	Mechanical interlock - 4pole
PB-J3-FR	Plug-in kit
MOP-M5	Remote operation

Note) For more detail see 7-9 - 7-26 page