

800AF MCCB

ABN800c, ABS800c, ABL800c

Metasol



ABS803c



ABL804c

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, I _n		500-630-700-800A											
Rated operational voltage, U _e		AC: 690V											
		DC: 500V											
Rated insulation voltage, U _i		AC: 1000V											
Rated impulse withstand voltage, U _{imp}		8kV											
Rated short-circuit breaking capacity, I_{cu}		N-type			S-type			L-type					
AC	690V	8kA			10kA			14kA					
	480/500V	25kA			45kA			65kA					
	415/460V	37kA			65kA			85kA					
	380V	45kA			75kA			100kA					
	220/250V	50kA			85kA			125kA					
DC	500V (3P)	10kA			20kA			40kA					
	250V (2P)	10kA			20kA			40kA					
I _{cs} =%×I _{cu}		100%			100%			75%					
Protective function		Overload, short-circuit											
Type of trip unit		Thermal-magnetic											
Magnetic trip range		8-12I _n											
Endurance	Mechanical	2,500 operations											
	Electrical	500 operations											
Connection	Standard	Front connection											
	Optional	Plug-in											
Mounting		Standard											
Dimensions (mm)		Pole			2p			3p			4p		
		a	210	210	280	210	210	280	210	210	280		
		b	280			280			280				
		c1 <small>Note 1</small>	109			109			109				
		c2 <small>Note 1</small>	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		
CE marking		☐			○			○			○		

For more information

- Accessories ▶ 7-2 page
- Trip curves ▶ 8-4 page
- Drawings ▶ 9-6 page
- Connection and mounting ▶ 10-3 page

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.

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

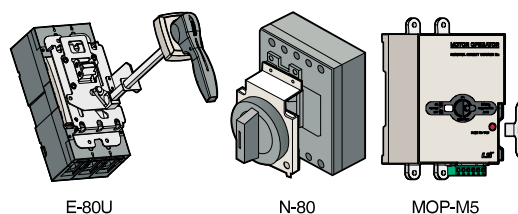
AX	Auxiliary switch
AL	Alarm switch
SHT	Shunt trip
UVT	Undervoltage trip



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

IBL800	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