

# 250AF MCCB

ABN250c, ABS250c, ABH250c, ABL250c

Metasol



ABS202c



ABS203c



ABS204c

### For more information

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- Accessories ▶ 74 page
- Connection and mounting ▶ 127 page

## Ratings

Frame size		250AF													
<b>Type and pole</b>		<b>N-type</b>			<b>S-type</b>			<b>H-type</b>			<b>L-type</b>				
2-pole		<b>ABN202c</b>			<b>ABS202c</b>			<b>ABH202c</b>			<b>ABL202c</b>				
3-pole		<b>ABN203c</b>			<b>ABS203c</b>			<b>ABH203c</b>			<b>ABL203c</b>				
4-pole		<b>ABN204c</b>			<b>ABS204c</b>			<b>ABH204c</b>			<b>ABL204c</b>				
Rated current, In		100-125-150-175-200-225-250A													
Rated operational voltage, Ue		AC: 690V DC: 500V													
Rated insulation voltage, Ui		AC: 1,000V													
Rated impulse withstand voltage, Uimp		8kV													
<b>Rated short-circuit breaking capacity, Icu</b>		<b>N-type</b>			<b>S-type</b>			<b>H-type</b>			<b>L-type</b>				
AC 690V		8kA			8kA			10kA			10(10)kA				
IEC 60947-2 (Icu)		480/500V			18kA			26kA			35(35)kA				
		<b>460V</b>			<b>26kA</b>			<b>37kA</b>			<b>60(50)kA</b>				
		415V			26kA			37kA			60(50)				
		380V			30kA			42kA			60(50)				
		<b>220/250V</b>			<b>65kA</b>			<b>85kA</b>			<b>125(100)kA</b>				
DC 500V (3P)		10kA			20kA			30kA			30(30)kA				
DC 250V (2P)		10kA			20kA			30kA			30(30)kA				
Ics=%xIcu		100%			100%			100%			( )				
<b>Protective function</b>		Overload, Short-circuit													
Type of trip unit		Thermal-Magnetic													
Magnetic trip range		12xIn													
Endurance		Mechanical			25,000 operations										
		Electrical			10,000 operations										
Connection		Standard			Front connection										
		Optional			Rear connection										
		Plug-in													
Mounting		Standard			Screw fixing										
<b>Dimensions (mm)</b>		Pole		2p	3p	4p	2p	3p	4p	2p	3p	4p	2p	3p	4p
		a		60	90	120	690	120	140	105	105	140	105	105	140
		b		155			155			165			165		
		c1 <small>Note</small>		60			60			60			60		
		c2 <small>Note</small>		64			64			64			64		
		d		82			82			87			87		
Weight, kg		Standard		0.7	1	1.2	0.7	1	1.2	1.1	1.2	1.6	1.1	1.2	1.6
<b>Certification</b>		Pole		2p	3p	4p	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.  
 3. The Ics(service breaking capacity) of ABL250AF are in ( )

## Ordering types

### Breaker types

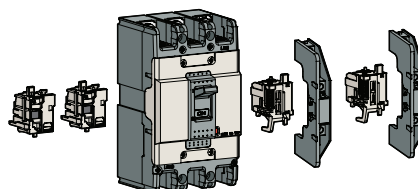
ABN type (26kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
100 A	ABN202c/100	ABN203c/100	ABN204c/100
125 A	ABN202c/125	ABN203c/125	ABN204c/125
150 A	ABN202c/150	ABN203c/150	ABN204c/150
175 A	ABN202c/175	ABN203c/175	ABN204c/175
200 A	ABN202c/200	ABN203c/200	ABN204c/200
225 A	ABN202c/225	ABN203c/225	ABN204c/225
250 A	ABN202c/250	ABN203c/250	ABN204c/250

ABS type (37kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
100 A	ABS202c/100	ABS203c/100	ABS204c/100
125 A	ABS202c/125	ABS203c/125	ABS204c/125
150 A	ABS202c/150	ABS203c/150	ABS204c/150
175 A	ABS202c/175	ABS203c/175	ABS204c/175
200 A	ABS202c/200	ABS203c/200	ABS204c/200
225 A	ABS202c/225	ABS203c/225	ABS204c/225
250 A	ABS202c/250	ABS203c/250	ABS204c/250

ABH type (50kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
100 A	ABH202c/100	ABH203c/100	ABH204c/100
125 A	ABH202c/125	ABH203c/125	ABH204c/125
150 A	ABH202c/150	ABH203c/150	ABH204c/150
175 A	ABH202c/175	ABH203c/175	ABH204c/175
200 A	ABH202c/200	ABH203c/200	ABH204c/200
225 A	ABH202c/225	ABH203c/225	ABH204c/225
250 A	ABH202c/250	ABH203c/250	ABH204c/250

ABL type (60kA/460V)			
Rated current, In	2-pole	3-pole	4-pole
100 A	ABL202c/100	ABL203c/100	ABL204c/100
125 A	ABL202c/125	ABL203c/125	ABL204c/125
150 A	ABL202c/150	ABL203c/150	ABL204c/150
175 A	ABL202c/175	ABL203c/175	ABL204c/175
200 A	ABL202c/200	ABL203c/200	ABL204c/200
225 A	ABL202c/225	ABL203c/225	ABL204c/225
250 A	ABL202c/250	ABL203c/250	ABL204c/250

### Accessories



#### Electrical auxiliaries

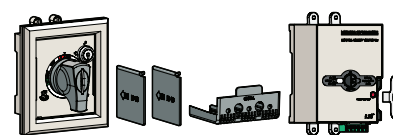
<b>AX</b>	Auxiliary switch
<b>AL</b>	Alarm switch
<b>AX+AL</b>	Combination switch
<b>SHT</b>	Shunt trip
<b>UVT</b>	Undervoltage trip



#### 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 74 page



#### External accessories

ABH250c	Name
<b>B33</b>	Insulation barrier
<b>TCL33</b>	Terminal cover (Long) - Inde type, D-handle type, N-handle type
<b>TCS33</b>	Terminal cover (Short) - Inde type, D-handle type, N-handle type
<b>DH250</b>	Rotary handle (Direct)
<b>DHK250</b>	Rotary handle (Direct, Key lock)
<b>EH250</b>	Rotary handle (Extended)
<b>RTB3</b>	Rear terminal (Bar)
<b>RTR3</b>	Rear terminal (Round)
<b>PBA250C</b>	Plug-in kit
<b>Handle lock</b>	
<b>MOP-M3</b>	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.