

Molded Case Circuit Breakers

New BW series

Molded Case Mechanical Adjustable type Circuit Breakers BW series

Features

- 2 Size and 5 Frames of MCCB can cover currents rated from 100A to 630A.
- Compliant with International standards. IEC60947-2, EN60947-2.
- New BW series share same foot print of BX series.
- $I_{cu}=I_{cs}$:proved breaking performance because I_{cs} (rated ultimate short circuit breaking capacity).
- Internal accessories of various rating are prepared. (Auxiliary/alarm switch,voltage/under voltage trip,etc.)



Breaking performance (at 415V 50/60Hz)

	BW100□CF	BW160□CF	BW250□CF	BW400□CF	BW630□CF
E 25kA					
S 36kA					
R 50kA					

Application

Factory

Respond to changes in production lines and equipment



Shopping mall

Respond to increase / decrease in load required for renovation in store



Data center

Flexible response to increase / decrease of data

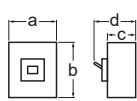


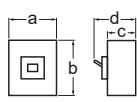
Apartment

Compatible with current capacity changes.



BW series specifications

Ampere frame		100A				160A				250A				
Type		BW100ECF		BW100SCF		BW160ECF		BW160SCF		BW250ECF		BW250SCF		
Pole		3	4	3	4	3	4	3	4	3	4	3	4	
Rated current Reference amb. temp. (40°C)	In(A)	16, 25, 32, 40, 50, 63, 80, 100		16, 25, 32, 40, 50, 63, 80, 100		125, 160		125, 160		200, 250		200, 250		
Rated insulation voltage Ui (V)	AC	690		690		690		690		690		690		
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-1	AC	440V	20/15	36/18	20/15	36/18	20/15	36/18	20/15	36/18	20/15	36/18	
			415V	25/25	36/36	25/25	36/36	25/25	36/36	25/25	36/36			
			400V	25/25	36/36	25/25	36/36	25/25	36/36	25/25	36/36			
			380V	25/25	36/36	25/25	36/36	25/25	36/36	25/25	36/36			
			240V	40/40	70/70	40/40	70/70	40/40	70/70	40/40	70/70			
			230V	40/40	70/70	40/40	70/70	40/40	70/70	40/40	70/70			
			DC	250V	-	-	-	-	-	-	-	-		
Conforming to standards	CE Marking	●		●		●		●		●		●		
Dimensions (mm)		a	105	140	105	140	105	140	105	140	105	140	105	140
		b	161		161		161		161		161		161	
		c	86		86		86		86		86		86	
		d	111		111		111		111		126		126	

Ampere frame		400A				630A				
Type		BW400SCF		BW400RCF		BW630SCF		BW630RCF		
Pole		3	4	3	4	3	4	3	4	
Rated current Reference amb. temp. (40°C)	In(A)	320, 400		320, 400		500, 600		500, 600		
Rated insulation voltage Ui (V)	AC	690		690		690		690		
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-1	AC	440V	30/23	42/32	30/23	42/32	30/23	42/32	
			415V	36/36	50/50	36/36	50/50	36/36	50/50	
			400V	36/36	50/50	36/36	50/50	36/36	50/50	
			380V	36/36	50/50	36/36	50/50	36/36	50/50	
			240V	40/40	70/70	40/40	70/70	40/40	70/70	
			230V	40/40	70/70	40/40	70/70	40/40	70/70	
			DC	250V	-	-	-	-	-	-
Conforming to standards	CE Marking	●		●		●		●		
Dimensions (mm)		a	140	185	140	185	140	185	140	185
		b	255		255		255		255	
		c	110		110		110		110	
		d	168		168		168		168	

BW series specifications

Series	Frame size	Breaking capacity	Model	No. of poles	Rated current																								
BW: BW series	100: 100AF 160: 160AF 250: 250AF 400: 400AF 630: 630AF		F: Mechanical adjustable thermal magnetic	3P: 3-pole 4P: 4-pole																									
		<table border="1"> <thead> <tr> <th></th> <th>100AF</th> <th>160AF</th> <th>250AF</th> <th>400AF</th> <th>630AF</th> </tr> </thead> <tbody> <tr> <td>E</td> <td>25kA</td> <td>25kA</td> <td>25kA</td> <td>-</td> <td>-</td> </tr> <tr> <td>S</td> <td>36kA</td> <td>36kA</td> <td>36kA</td> <td>36kA</td> <td>36kA</td> </tr> <tr> <td>R</td> <td>-</td> <td>-</td> <td>-</td> <td>50kA</td> <td>50kA</td> </tr> </tbody> </table>		100AF	160AF	250AF	400AF	630AF	E	25kA	25kA	25kA	-	-	S	36kA	36kA	36kA	36kA	36kA	R	-	-	-	50kA	50kA			
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