## Fuji Molded Case Circuit Breakers Overview

#### **Overview**

Fuji Molded Case Circuit Breakers are more compact (especially 100A, 125A, 250A frames) than any breakers on the market, so they take up less space in control panels.

This product group maintains conformity to all Worldwide standards.

### **Agency Approvals**

- UL listed, MCCB, File: E90584
- UL listed, Accessories, File E93289
- CE marked
- CCC marked
- · TUV certified

#### **Standards**

- UL 489
- CSA C22.2 No.5
- IEC 60947-2
- EN 60947-2
- GB 14048.2
- JIS C8201-2-1, 2 (ANN.1, 2)







	Fuji Electric Molded Case Circuit Breakers Technical Specifications										
Circuit Breaker Amp Type	Ampere Rating at		Vo	lts		(	UL 489 Interru rms Symmetrica	upting Ratings al Amperes) (kA	l)		
	40°C	No. Poles	AC	DC	Type of Trip*	Volts AC (50/60 Hz)			Volts DC		
			AC	ВС		240	480	600	250**		
BW125JAGU	15-125	3	600	250	N.I.T.U	50	30	10	10		
BW250JAGU	125-250	3	600	250	N.I.T.U	50	30	10	10		
BW400SAGU	250-400	3	480	250	N.I.T.U	50	35	_	10		
BW630RAGU	500-600	3	480	250	N.I.T.U	100	50	_	10		
BW800RAGU	700-800	3	480	250	N.I.T.U	100	50	_	10		

Operating Range: -10 to 50°C [14 to 122°F]

<sup>\*</sup>Note: N.I.T.U denotes non-interchangeable trip unit.

<sup>\*\*</sup>Note: For DC or 1-phase AC applications, use the two outside poles of the 3-pole circuit breaker

# Fuji Molded Case Circuit Breakers 250A Frame



Fuji Electric

Fuji BW250A series MCCBs are 250 amp frame, 3-pole, non-adjustable magnetic trip, molded case circuit breakers (MCCB). The BW250 series is suitable for reverse feed applications.

Included with each MCCB are Line and Loadside lug terminals, terminal covers and mounting hardware. Accessories are not pre-installed and are sold separately.

BW250JAGU-3P125SB

BW250-Frame Series Three-Pole Molded Case Circuit Breakers										
					Rated Inte	rrupting Cap	acity (kA)			
Part Number	Price	Frequency	Rated Current			P IEC60947-2, JIS C 8201-2-1 Icu/Ics		GB14048.2 Icu/Ics		
			Ampere Rating	Voltage	Interrupt Capacity	Voltage	Interrupt Capacity	Voltage	Interrupt Capacity	
BW250JAGU-3P125SB			125			10 kA 500V AC 30 kA 440V AC				
BW250JAGU-3P150SB			150	600V/Y AC	10 kA		18/9 kA			
BW250JAGU-3P160SB			160	480V/i AC			30/15 kA	4001/40	30/15 kA 50/25 kA	
BW250JAGU-3P175SB		50/60 Hz	175	480V/Y AC 240V AC	30 kA 50 kA	400V AC 380V AC	30/15 kA 30/15 kA	400V AC 230V AC		
BW250JAGU-3P200SB			200	250V DC	10 kA	240V AC	50/25 kA	200 7 10	00/20 10 (	
BW250JAGU-3P225SB			225			250V DC	20/10 kA			
BW250JAGU-3P250SB			250							

Note: SCCR = UL489 interrupting capacity

		BW250-Frame Accessory Selection Guide
Part Number	Price	Description
BW9W1SG0		Field installable auxiliary contact switch, use with BW125 and BW250 series MCCBs. SPDT. 20AWG lead wires, 19.69" long, left side mount only
BW9FRG0		Field installable DC shunt trip, use with BW125 and BW250 series MCCBs; 24 VDC/AC, 20 AWG lead wires 19.69" long, left and right side mount
BW9FAG0		Field installable AC shunt trip, use with BW125 and BW250 series MCCBs; 100-120 VAC, 20 AWG lead wires 19.69" long, left and right side mount
<u>BW9RGAR</u>		Field installable DC undervoltage release, use with BW125and BW250 series MCCBs; 24 VDC, 20AWG lead wires, 19.69" long, left side mount only
BW9RGAT		Field installable AC undervoltage release, use with BW125and BW250 series MCCBs; 110-130 VAC, 20AWG lead wires, 19.69" long, left side mount only
BW9SL0GA-3		Replacement lugs for BW250-frame MCCBs up to 175A, package of 3
BW9SL1GA-3		Replacement lugs for BW250-frame MCCBs 175A to 250A, package of 3
BW9V0GA		NEMA 12 rotary handle for BW250-Frame. Position indicating; lock-off feature. Shaft length: 0.39"
BW9VSG0		NEMA 12 rotary handle shaft for BW9V0CA and BW9V0GA, BW125 and BW250 Frames. Steel shaft length: 6.06" (154 mm)
BW9VSG0-24		NEMA 12 rotary handle shaft for BW9V0CA and BW9V0GA, BW125 and BW250 Frames. Steel shaft length: 24" (610 mm)
BW9F0GA-15A		NEMA 12 flexible shaft handle for BW250-Frame. Flange mounted. Lockable. Flex cable shaft length: 4.92' (1.5m)
BW9F0GA-20A		NEMA 12 flexible shaft handle for BW250-Frame. Flange mounted. Lockable. Flex cable shaft length: 6.56' (2m)
BW9Q1CA		Lockout attachment, use to lock out BW125 and BW250 series MCCBs. Lock not included.

Note: Short-type terminal covers (gray-white) are supplied as standard.











BW9V0GA BW9F0GA-15A

BW9FRG0

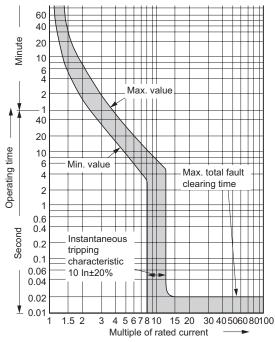
BW9Q1CA

**Circuit Protection** 

tCPR-8

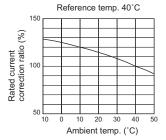
# Fuji Molded Case Circuit Breakers –250A Frame Characteristic Curves

**BW250** Current Range 125 - 250A





BW250 (Current Range: 125 - 250A)



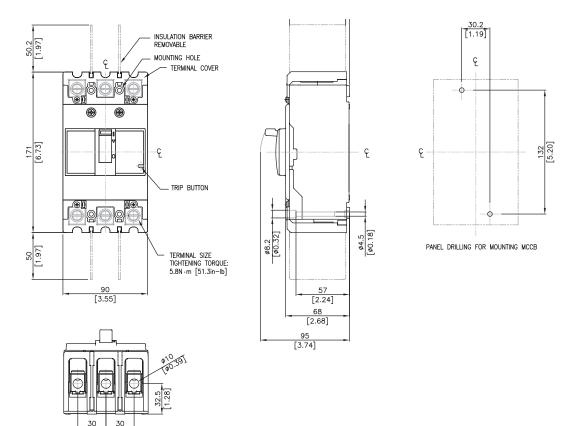
Motor Instantaneous trianing = 10 v (roted surrent) ± 200

# **Fuji Molded Case Circuit Breakers Dimensions**

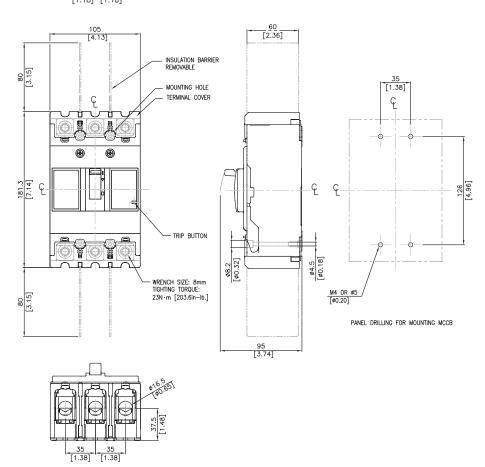
#### **Dimensions**

mm [inches]

15 to 125A BW125A Frame



125 to 250A BW250A Frame



## Fuji Molded Case Circuit Breakers Products And Accessory Compatibility

	Match the Accessories with Fuji Mol	ded Case	Circuit B	reakers		
Part Number	Description	BW125JAGU	BW250JAGU	BW400SAGU	BW630RAGU	BW800RAGU
BW9W1SG0	Auxiliary Switch (Mounting Left and right side)	Х	Х			
BW9W1SHA	Auxiliary Switch (Mounting Left side ONLY)			Х	X	Х
BW9FRG0	Shunt Trip 24 VAC/VDC (Mounting both Left and Right sides)	Х	Х			
BW9FHA-R	Shunt Trip 24-48 VAC/VDC (Mounting Left side ONLY)			Χ	X	Χ
BW9FAG0	Shunt Trip 100-120 VAC, 100-110 VDC (Mounting both Left and Right sides)	Х	Х			
BW9FHA-A	Shunt Trip 100-280 VAC, 100-220 VDC (Mounting Left side ONLY)			Х	Х	Χ
BW9RGAR	UnderVoltage Release 24VDC (Left side ONLY)	Х	Х			
BW9RHA-R	UnderVoltage Release 24 VAC/VDC (Left side ONLY)			Х	Х	Χ
BW9RGAT	UnderVoltage Release 110-130 VAC (Left side ONLY)	Х	Х			
BW9RHA-1	UnderVoltage Release 120-130 VAC, 125VDC (Left side ONLY)			Х	Х	Χ
BW9SL0CA-3	Replacement Lugs Kit for 125 Amp frame	Х				
BW9SL0GA-3	Replacement Lugs Kit for 250 Amp frame up to 175A		Х			
BW9SL1GA-3	Replacement Lugs Kit for 250 Amp frame 200A to 250A		X			
BW9V0CA	Rotary Handle	Х				
BW9V0GA	Rotary Handle		Х			
BW9VSG0	Optional Shaft for BW9V0CA and BW9V0GA, 6.063"	Х	Х			
BW9VSG0-24	Optional Shaft for BW9V0CA and BW9V0GA, 24"	Х	Х			
BW9V0HA	Rotary Handle,			Х		
BW9V0JA	Rotary Handle,				Х	Χ
BZ-VS2	Optional Shaft for BW9V0HA and BW9V0JA, 3.48"			Х	X	Χ
BZ-VS2-24	Optional Shaft for BW9V0HA and BW9V0JA, H = 24"			Х	X	Χ
BW9F0CA-15A	Flange Handle (flex shaft), NEMA 12, 59" (1.5m) cable, 125 Amp frame	Х				
BW9F0CA-20A	Flange Handle (flex shaft), NEMA 12, 78.7" (2.0m) cable, 125 Amp frame	Х				
BW9F0GA-15A	Flange Handle (flex shaft), NEMA 12, 59" (1.5m) cable, 250 Amp frame		Χ			
BW9F0GA-20A	Flange Handle (flex shaft), NEMA 12, 78.7" (2.0m) cable, 250 Amp frame		Х			
BW9F0HA-15A	Flange Handle (flex shaft), NEMA 12, 59" (1.5m) cable, 400 Amp frame			Х		
BW9F0HA-20A	Flange Handle (flex shaft), NEMA 12, 78.7" (2.0m) cable, 400 Amp frame			Х		
BW9F0JA-15A	Nema 12 flexible shaft handle for 630A or 800A frame. 59.06" (1.5m) cable				Х	Χ
BW9F0JA-20A	Nema 12 flexible shaft handle for 630A or 800A frame. 78.74" (2m) cable				X	Х
BW9BTHA-L3W	Terminal Cover for the 400A frame			Х		
BW9BTJA-L3W	Terminal Cover for the 630A AND 800A frame				Х	Χ
BW9Q1CA	Lockout Attachment 125A and 250A frames	Х	Х			
BW9QNHA	Lockout Attachment 400A, 630A and 800A frames			Х	Х	Χ

#### Internal Accessory Combinations for BW Series

Available configurations	S-pole  Left → Right  Handle	Undervoltage trip Shunt trip	O Auxiliary switch
MCCB		BW125 BW250	BW400 BW630 BW800
Pole		3	3
Auxiliary switch SPDT		0	0
Shunt trip		Ho	
Undervoltage trip			
Auxiliary Switch + Shunt Trip			。 □ <b>⊢</b>
Undervoltage + Auxiliary Switch			· •

# Fuji Molded Case Circuit Breakers Wire Range Specifications



### Wiring

- When connecting the wires, follow NEC (National Electric Code, USA) or CEC (Canadian Electrical code Part 1, Canada) instructions.
- Use copper wire rated for 75°C (167°F) for connecting. UL or CSA approved wire is recommended.
- Tighten the wire connections adequately, as a very large electromagnetic force will be generated when short circuit current is generated.
- Perform additional tightening of the terminal screws periodically.

Allowable Wire Specifications for Lug Terminals							
Wire Size AWG or MCM (mm²)	Number of Wire Strands						
14 to 2 (2.1 to 33.6)	7						
1 to 4/0 (42.4 to 107.2)	19						
250 to 500 (127 to 250)	37						



- Adhere to the allowable number of strands of wire indicated in the table on the left.
- Two wires cannot be connected together to a single connecting hole of lug terminal except BW400SAGU-3P400SB.
- Follow the number of strands of wire indicated on the table.
   (Wire size and number of wire strands not listed on table can not be connected)
- · Do not solder the end of the wire.







Rated current 400A 3/0 AWG x 2 19 strands each



Rated current 500A to 700A



Rated current 800A 300 MCM x 3 37 strands each

Allowable Wire Sizes and Tightening Torque									
Туре	Rated Current (A)	Wire Size (AWG or MCM [mm²]	Tightening Torque Lug Terminal*						
	15	14 AWG [2.1 mm <sup>2</sup> ]							
	20	12 AWG [3.3 mm <sup>2</sup> ]	-						
	30	10 AWG [5.3 mm <sup>2</sup> ]							
	40	8 AWG [8.4 mm <sup>2</sup> ]							
	50	8 AWG [8.4 mm <sup>2</sup> ]							
	60	6 AWG [13.3 mm <sup>2</sup> ]	51 lb•in						
BW125	70	4 AWG [21.1 mm <sup>2</sup> ]	[5.8 N•m]						
	75	4 AWG [21.1 mm <sup>2</sup> ]							
	80	4 AWG [21.1 mm <sup>2</sup> ]							
	90	3 AWG [26.7 mm <sup>2</sup> ]							
	100	3 AWG [26.7 mm <sup>2</sup> ]							
	125	1 AWG [42.4 mm <sup>2</sup> ]							
	125	1 AWG [42.4 mm <sup>2</sup> ]							
	150	1/0 AWG [53.5 mm <sup>2</sup> ]							
D14/050	175	2/0 AWG [67.4 mm <sup>2</sup> ]	204 lb•in						
BW250	200	3/0 AWG [85.0 mm <sup>2</sup> ]	[23 N•m]						
	225	4/0 AWG [107.2 mm <sup>2</sup> ]							
	250	250 MCM [127 mm <sup>2</sup> ]							
	250	250 MCM [127mm <sup>2</sup> ]							
	300	350 MCM [177mm <sup>2</sup> ]	385 lb•in [43.5 N•m]						
BW400	350	500 MCM [253mm <sup>2</sup> ]	[40.0 14 111]						
	400	3/0 AWGx2 [85.0 mm <sup>2</sup> x2]	282 lb•in [31.9 N•m]						
BW630	500	250 MCMx2	275 lb•in						
DVVOSU	600	350 MCMx2	[31.07 N•m]						
BW800	700	500 MCMx2	275 lb•in						
DVVOUU	800	300 MCMx3	[31.07 N·m]						

<sup>\*</sup>Lug terminals are supplied as standard.

Note: Terminals are factory-installed only for BW400, BW630 and BW800 series. No replacement terminals available.

# Fuji Molded Case Circuit Breakers Field-mountable Accessories





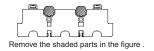
### **Defeatable Rotary Handle Operating Mechanisms**

#### BW9V0CA shown

	Rotary Operating Handles for Fuji MCCBs – Selection Guide										
		V-type Handle		optional shaft 5.102 (155))		ptional shaft 567 (624))		V-type			
Breaker Type	V-type Handle	Price	H: inch(mm)	Max. Mounting Depth H: inch(mm)	Range in which the hinge with H can be installed	Max. Mounting Depth H: inch(mm)	Range in which the hinge with H can be installed	Mounting Screw	Handle Mass Ib. (kg)		
BW125	BW9V0CA		4.134±0.078	9.843±0.078	5.512 to 9.843	28.307±0.078	28.307 - 5.591	M4 2 25 (05)	4.40.(0.07)		
BW250	BW9V0GA		(105±2)	(250±2)	(140 to 250)	(719±2)	(124 - 719)	M4 x 3.35 (85)	1.48 (0.67)		

Notes: • Handle is an operating mechanism only; not for sealing enclosure door.

- · Not available for side mounting
- For BW250 Series only: When mounting a terminal cover, cut away part of it because it hides the mounting screws for the breaker.

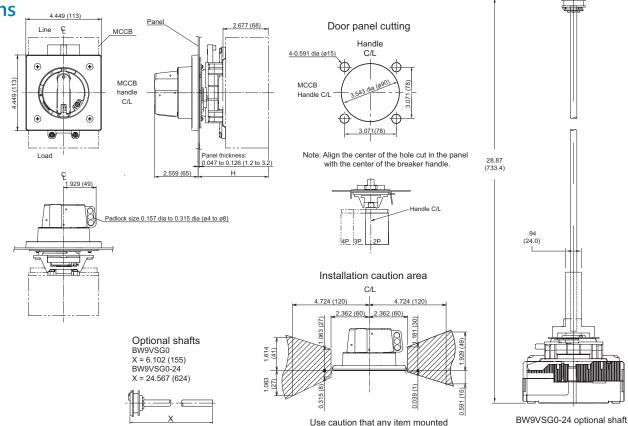


125A, 250A Frame V type handle

• BW9V0CA, BW9V0GA (BW9VSG0, BW9VSG0-24: optional shafts)

#### **Dimensions**

mm [inches]



in shaded area can move freely

Breaker and Shaft Assembly

## Fuji Molded Case Circuit Breakers Field-mountable Accessories

### **Defeatable Flexible Handle Operating Mechanisms**





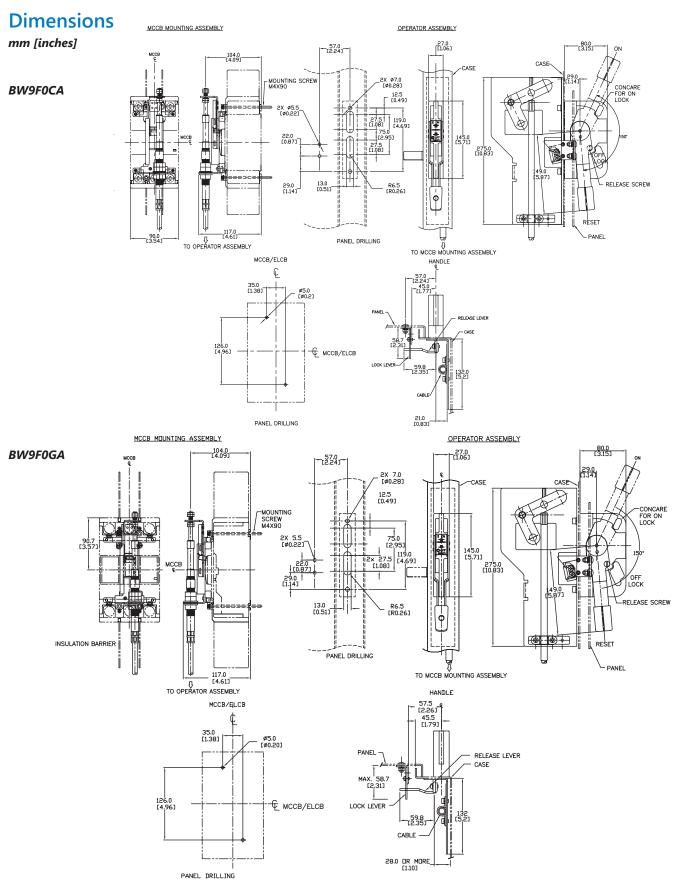
BW9F0JA-20A shown

	Flex Shaft Handles for Fuji MCCBs – Selection Guide								
Breaker Type	Handle Type	Price	Description						
BW125	BW9F0CA-15A		Nema 12 flexible shaft handle for 125A frame. 59.06" (1.5m)cable						
BVV125	BW9F0CA-20A		Nema 12 flexible shaft handle for 125A frame. 78.74" (2m) cable						
BW250	BW9F0GA-15A		Nema 12 flexible shaft handle for 250A frame. 59.06" (1.5m)cable						
BVV250	BW9F0GA-20A		Nema 12 flexible shaft handle for 250A frame. 78.74" (2m) cable						
BW400*	BW9F0HA-15A		Nema 12 flexible shaft handle for 400A frame. 59.06" (1.5m)cable						
BVV400*	BW9F0HA-20A		Nema 12 flexible shaft handle for 400A frame. 78.74" (2m) cable						
BW630*&	BW9F0JA-15A		Nema 12 flexible shaft handle for 630A or 800A frame. 59.06" (1.5m)cable						
BW800*	BW9F0JA-20A		Nema 12 flexible shaft handle for 630A or 800A frame. 78.74" (2m) cable						

<sup>\*</sup>Terminal covers for line side and load side included with Flange Disconnects. 2/pk

Flex Handle Specifications									
Operating instructions	Operation     Panel door cannot be	<ul> <li>Operating handle facing up, Breaker is in ON position.</li> <li>Operating handle facing down, Breaker is in OFF position or is reset.</li> <li>Panel door cannot be opened when in ON, OFF or Trip position. In order to open the door, the handle must be turned toward reset position.</li> <li>Release screw is standard. If you want to open a panel door in ON position, please turn the release screw using flat head screwdriver.</li> </ul>							
Frame Size	125A frame	250A frame	400A frame	630A/800 frame					
Mechanical Endurance (cycles)	10,000	8,000	6,000	6,000					
Ambient Temperature		14 to 140F (-	10 to 40°C)						
Relative Humidity		less than	95% RH						
Protection		NEMA Type12 IF	P54 (IEC60529)						
Conforming Standards	NFPA 79(20	007), ANSI(Lockout), OSHA(	1910.147, Lockout/tagout),	UL489(cUL)					
Environment	No excess	sive dust, smoke, corrosive g	ases, flammable gases, ste	am or salt.					

# Fuji Molded Case Circuit Breakers Field-mountable Accessories



### Fuji Molded Case Circuit Breakers Accessories FUJI Electric



BW9W1SHA shown

### **Auxiliary Contacts**

The auxiliary contacts are accessory contacts for the indication of circuit breaker open-closed or tripped.

	Auxiliary Contacts for Fuji MCCBs – Selection Guide								
Breaker Type	Part Number	Price	Description						
BW125 BW250	BW9W1SG0		Auxiliary switch for for 125A and 250A frame. Mounting left and right side						
BW400 BW630 BW800	BW9W1SHA		Auxiliary switch for for 400A , 630A and 800A frame. Mounting left side ONLY						

Ratings of Auxiliary Switches											
	Standard Type										
	Rated			Make/Break	Current (A)						
Breaker Type	Thermal Current (A)	AC			DC			Minimum Load Current			
		Voltage (V)	Res. Load	Ind. Load	Voltage (V)	Res. Load	Ind. Load	Guirent			
		24	5	5	24	4	3				
BW125, BW250,	_	48	5	5	48	2.5	1	5V DC 160 mA			
BW400 BW630, BW800	5	125	5	3	125	0.4	0.4	30V DC 30 mA			
		250	3	2	250	0.2	0.2				

#### Operation of auxiliary switches

Accessory	Handle position				
	ON	OFF	Trip		
Auxiiary switch	11/AXcL 14/AXaL	11/AXcL	14/AXaL		
SPDT	.				
(1	) 12/AXbL		12/AXbL		



BW9FRG0 shown

### **Shunt Trips**

Shunt Trip is for remote tripping (opening) of crircuit breaker.

	1 3 1 3					
Shunt Trips for Fuji MCCBs – Selection Guide						
Part Number	Price	Description				
BW9FRG0		Field installable 24 VAC/VDC shunt trip for BW125 and BW250 series MCCB. Left and right side mounting. Lead wires 20AWG, 19.69" long.				
BW9FHA-R		Field installable 24/48 VAC/VDC shunt trip for BW400, BW630 and BW800 series MCCB.  Left side mounting only. Lead wires 20AWG, 19.69" long.				
BW9FAG0		Field installable 100/120 VAC, 100-110 VDC shunt trip for BW125 and BW250 series MCCB.  Left and right side mounting. Lead wires 20AWG, 19.69" long.				
BW9FHA-A		Field installable 100/240 VAC, 100-220 VDC shunt trip for BW400, BW630 and BW800 series MCCB.Left side mounting only. Lead wires 20AWG, 19.69" long.				

	Ratings of Shunt Trips							
Procker Tune	AC		DC		Time Deline of Oall	One and the Time (me)		
Breaker Type	Voltage (V)	VA	Voltage (V)	W	Time Rating of Coil Operating Time	Operating Time (ms)		
DIMAGE DIMAGO	24	50	24	50	Continuous	13-21		
BW125, BW250	100-120	50	50 100-110 50 (with 1 N.O. co	(with 1 N.O. contact to prevent coil burnout)	13-21			
BW400, BW630,	24-48	2	24-48	2	Continuous	0.20		
BW800	100-240	3	100-220	3	Continuous	8-20		

Note: Allowable operating voltage AC voltage: 85% to 110% of coil rated voltage DC voltage: 75% to 125% of coil rated voltage

# Fuji Molded Case Circuit Breakers Accessories



#### **Undervoltage Releases**

Undervoltage Release will trip the circuit breaker when the connected voltage drops to less than 70% of undervoltage release voltage rating. It will allow the circuit breaker to close (ON) when voltage is approximately 85% of rated voltage.

Undervoltage Releases for Fuji MCCBs – Selection Guide						
Breaker Type Part Number Price Description						
BW125, BW250	BW9RGAR		Undervoltage Release 24V DC (Left side ONLY)			
BW125, BW250	BW9RGAT		Undervoltage Release 110 to 130 VAC VAC/VDC (Left side ONLY)			
BW400, BW630, BW800	BW9RHA-R		Undervoltage Release 24 VAC/VDC (Left side ONLY)			
BW400, BW630, BW800	BW9RHA-1		Undervoltage Release 120 to 130 VAC 125 VDC (Left side ONLY)			



**BW9RGAR** shown

Ratings of Undervoltage Trip						
Dracker Time	A	С	DC			
Breaker Type	Voltage (V)	VA	Voltage (V)	W		
BW125* <sup>1</sup> BW250* <sup>1</sup>	-	_	24	5		
	110 - 130	5	_	-		
BW400*2 BW630*2 BW800*2	24	2	24	2		
	120 - 130	3	125	3		

Note: Allowable operating voltage: AC voltage: 85% to 110% of coil rated voltage DC voltage: 75% to 125% of coil rated voltage.

Turning ON with the undervoltage trip coil not energized causes normal tripping.



BW9SL0GA-3 shown

### Replacement Lugs

Rep	Replacement Lug Kits for Fuji MCCBs – Selection Guide					
Part Number	mber Price Description					
BW9SL0CA-3		Replacement lug kit for BW125 series MCCB. 75°C. Cu only Package of 3				
BW9SL0GA-3		Replacement lug kit for BW250 series up to 175A MCCB. 75°C. Cu only Package of 3				
BW9SL1GA-3		Replacement lug kit for BW250 MCCB series 200A to 250A. 75°C. Cu only Package of 3				

Note: Terminals are factory-installed only for BW400, BW630 and BW800 series. No replacement terminals available.

<sup>\*1</sup> Reset-allowed type: When the breaker handle is in the OFF or RESET state, tripping does not occur, even if the undervoltage trip coil is not energized.

<sup>\*2</sup> Reset-prohibited type: When the undervoltage trip coil is not energized, reset operation cannot reset the tripped breaker to the OFF state.

## Fuji Molded Case Circuit Breakers Accessories



#### **Terminal Covers**

Terminal covers act as guards to shield the operator from touching live terminations. They fit either the line or load side.

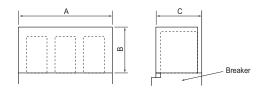


BW9BTHA-L3W shown

Terminal Covers for Fuji MCCBs – Selection Guide							
Prooker Tune	Dout Number	Price	Description	Dimensions inch (mm)			
Breaker Type	Part Number	Pilice		Α	В	С	
BW400	BW9BTHA-L3W		Gray-white Long type terminal cover for Fuji MCCBs. For line side and load side. 2/pk	6.772 (172)	4.331 (110)	3.858 (98)	
BW630, BW800	BW9BTJA-L3W		Gray-white Long type terminal cover for Fuji MCCBs. For line side and load side. 2/pk	8.268 (210)	6.102 (155)	3.858 (98)	

Note: Gray-white short type terminal covers are provided with breakers as standard for 125 and 250 Amp frames.

Dimensions of Terminal Covers: inch (mm)



#### **Lockout Attachment**

Lockout Attachments for Fuji MCCBs – Selection Guide							
Breaker Type Part Number Price Description							
BW125 BW250	BW9Q1CA		Use to lock out BW125 and BW 250 series MCCBs.  Lock not included				
BW400, BW630, BW800	BW9QNHA		Use to lock out BW400, BW600 and BW800 MCCBs.  Lock not included.				



BW9Q1CA shown