Company Information

Blocks

Wiring

7IPI ink

System

Multi-wire

Sensor Cables and Connectors

M12 Junction

Connectors

Wiring Duct

Cable Ties

Flexible Cord

Multi-conductor

Data Cables Wire Management Products Power Supplies

Transformers and Filters

Tools Test Equipment Enclosures Enclosure Climate Control Safety: Electrical

Safety: Protective

Terms and

Blocks

Connection

Accessories

Terminal Blocks Power

## 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
- CF 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)

#### **Features**

- Thermal-magnetic 15A through 800A
- Suitable for branch circuit protection
- Rated current of 15 to 800A, max 600V
- · Standard type and high-interrupting capacities available in identically sized breakers
- · Shunt Trip, Undervoltage Release and other accessories available
- · Line and load lug terminals included on
- · Auxiliary switch, Alarm switch and Shunt Trip can be installed in the field
- · Door-mounted or flange-mounted, flex shaft operating handles
- · All frame sizes suitable for reverse-feed applications
- · All breakers include mounting hard-
- Terminal covers included for BW125 and BW250 frames. Terminal covers available for BW400, BW630 and BW800 frames.











Fuji Electric Molded Case Circuit Breakers Technical Specifications											
Circuit	Ampere Rating	No.	Vol	ts	Type UL 489 Interrup (rms Symmetrical				ting Ratings Amperes) (kA)		
Breaker Type	at 40°C	Poles	AC	DC	ot Trip*	Volts AC (50/		60 Hz)	Volts DC		
			AG	DC		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		

\*Note: N.I.T.U denotes non-interchangeable trip unit.





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**Circuit Protection** 

<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 Load-side lug terminals, terminal covers and mounting hardware. Accessories are not pre-installed and are sold separately.

BW250JAGU-3P125SB shown

BW250-Frame Series Three-Pole Molded Case Circuit Breakers											
				R	ated Inter	rupting Ca	apacity (kA	1)			
Part Number	Price	Price	Price	Price	Frequency	Rated UL489 CAN/CSA Current C22.2 No. 5		IEC60947-2, JIS C 8201-2-1 lcu/lcs		GB14048.2 Icu/Ics	
			Ampere Rating	Voltage	Interrupt Capacity	Voltage	Interrupt Capacity	Voltage	Interrupt Capacity		
BW250JAGU-3P125SB	\$409.00		125		30 kA		18/9 kA 30/15 kA 30/15 kA	400V AC 230V AC			
BW250JAGU-3P150SB	\$409.00		150	600V/Y AC		500V AC 440V AC					
BW250JAGU-3P160SB	\$409.00		160	480V/∆ AC 480V/Y AC					30/15 kA 50/25 kA		
BW250JAGU-3P175SB	\$409.00	50/60 Hz	175	240V AC	30 kA 50 kA	400V AC 380V AC	30/15 kA				
BW250JAGU-3P200SB	\$409.00		200	250V DC	10 kA	240V AC 250V DC	50/25 kA 20/10 kA				
BW250JAGU-3P225SB	\$409.00		225			2001 00	20,10 KA				
BW250JAGU-3P250SB	\$409.00		250								
Note: SCCR = UL489 interrupt	ing capac	ity		•	·			•			

		BW250-Frame Accessory Selection Guide
Part Number	Price	Description
BW9W1SG0	\$24.00	Field installable auxiliary contact switch, use with BW125 and BW250 series MCCBs. SPDT. 20AWG lead wires, 19.69" long, left side mount only
BW9FRG0	\$49.50	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	\$49.50	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
BW9RGAR	\$49.50	Field installable DC undervoltage release, use with BW125and BW250 series MCCBs; 24 VDC, 20AWG lead wires, 19.69" long, left side mount only
BW9RGAT	\$49.50	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	\$43.00	Replacement lugs for BW250-frame MCCBs up to 175A, package of 3
BW9SL1GA-3	\$62.50	Replacement lugs for BW250-frame MCCBs 175A to 250A, package of 3
BW9V0GA	\$45.00	NEMA 12 rotary handle for BW250-Frame. Position indicating; lock-off feature. Shaft length: 0.39"
BW9VSG0	\$11.00	NEMA 12 rotary handle shaft for BW9V0CA and BW9V0GA, BW125 and BW250 Frames. Steel shaft length: 6.06" (154 mm)
BW9VSG0-24	\$29.00	NEMA 12 rotary handle shaft for BW9V0CA and BW9V0GA, BW125 and BW250 Frames. Steel shaft length: 24" (610 mm)
BW9F0GA-15A	\$247.00	NEMA 12 flexible shaft handle for BW250-Frame. Flange mounted. Lockable. Flex cable shaft length: 4.92' (1.5m)
BW9F0GA-20A	\$257.00	NEMA 12 flexible shaft handle for BW250-Frame. Flange mounted. Lockable. Flex cable shaft length: 6.56' (2m)
BW9Q1CA	\$12.00	Lockout attachment, use to lock out BW125 and BW250 series MCCBs. Lock not included.
Note: Short-type term	inal cover	s (gray-white) are supplied as standard.











BW9V0GA

BW9F0GA-15A

**BW9FRG0** 

**BW9RGAR** 

BW9Q1CA

Wiring Specifications chart is on page 31-33

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Circuit Protection 1 - 8 0 0 - 633 - 0 4 0 5

Company Information

Wiring

7IPI ink Connection System

Multi-wire

Blocks

Connectors

Wiring Duct

Cable Ties

Flexible Cord

Multi-conductor

Data Cables

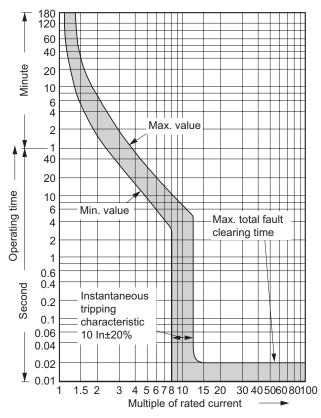
Wire Management Products

Sensor Cables and Connectors M12 Junction

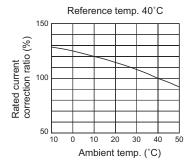
Terminal Blocks Power Blocks

## Fuji Molded Case Circuit Breakers -**250A Frame Characteristic Curves**

#### **BW250** Current Range 125 - 250A







Note: Instantaneous tripping = 10 x (rated current) ± 20% In = rated current

and Filters

Transformers

Power Supplies

Tools

Test Equipment

Enclosures

Enclosure

Climate Control

Safety: Electrical

Safety: Protective

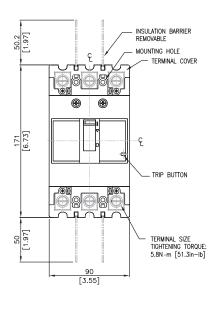
Terms and

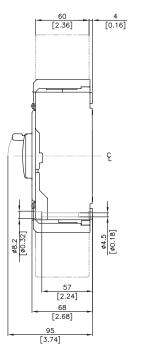
# Fuji Molded Case Circuit Breakers – Dimensions

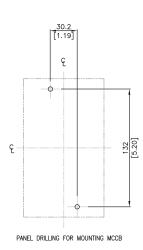
### **Dimensions**

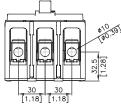
Units: mm [inches]

15 to 125A BW125A Frame

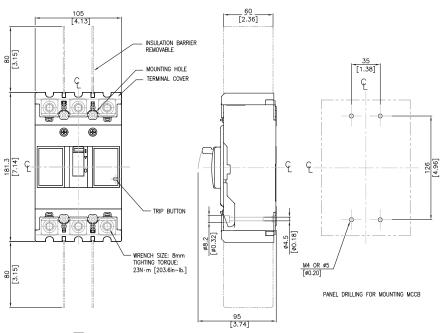








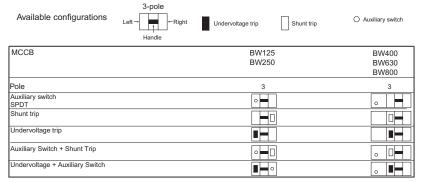
125 to 250A BW250A Frame



# Fuji Molded Case Circuit Breakers – Products And Accessory Compatibility

	Match the Accessories with Fuji	Molded Ca	se circuit B	reakers		
Part Number	Description	BW125JAGU	BW250JAGU	BW400SAGU	BW630RAGU	BW800RAGU
BW9W1SG0	Auxiliary Switch (Mounting Left and right side)	Х	Χ			
BW9W1SHA	Auxiliary Switch (Mounting Left side ONLY)			Х	Х	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)			Х	Х	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	Х
BW9RGAR	UnderVoltage Release 24VDC (Left side ONLY)	Х	Х			
BW9RHA-R	UnderVoltage Release 24 VAC/VDC (Left side ONLY)			Х	Х	Х
BW9RGAT	UnderVoltage Release 110-130 VAC (Left side ONLY)	Х	Х			
BW9RHA-1	UnderVoltage Release 120-130 VAC, 125VDC (Left side ONLY)			Х	Х	Х
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		Х			
BW9V0CA	Rotary Handle	Х				
BW9V0GA	Rotary Handle	Λ	Х			
BW9VSG0	Optional Shaft for BW9V0CA and BW9V0GA, 6.063"	X	X			
BW9VSG0-24	Optional Shaft for BW9V0CA and BW9V0GA, 24"	X	X			
BW9V0HA	Rotary Handle,	Λ	X	Х		
BW9V0JA	Rotary Handle,				Х	Х
BZ-VS2	Optional Shaft for BW9V0HA and BW9V0JA. 3.48"			Х	X	X
BZ-VS2-24	Optional Shaft for BW9V0HA and BW9V0JA, H = 24"			Х	Х	Х
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		Х			
BW9F0GA-20A	Flange Handle (flex shaft), NEMA 12, 78.7" (2.0m) cable, 250 Amp frame		Χ			
BW9F0HA-15A	Flange Handle (flex shaft), NEMA 12, 59" (1.5m) cable, 400 Amp frame			X		
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				X	Х
BW9F0JA-20A	Nema 12 flexible shaft handle for 630A or 800A frame. 78.74" (2m) cable				Х	Х
BW9BTHA-L3W	Terminal Cover for the 400A frame			Х		
BW9BTJA-L3W					Х	Х
BW9Q1CA	Lockout Attachment 125A and 250A frames	Х	Х			
BW9QNHA	Lockout Attachment 400A, 630A and 800A frames	, , , , , , , , , , , , , , , , , , ,		Х	Х	Х

#### Internal Accessory Combinations for BW Series





# Wire Range Specifications For Fuji Electric

### 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 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.





(31.07 N-m)

275 lb.-in.

(31.07 N-m)



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

Туре	Rated	Wire Size	Tightening Torque			
туре	Current (A)	AWG or MCM (mm2	') Lug Terminal*			
	15	14 AWG (2.1mm²)				
	20	20 12 AWG (3.3mm²)				
	30	10 AWG (5.3mm²)				
	40	8 AWG (8.4mm <sup>2</sup> )				
	50	8 AWG (8.4mm <sup>2</sup> )				
BW125	60	6 AWG (13.3mm <sup>2</sup> )	51 lbin.			
DWIZJ	70	4 AWG (21.1mm <sup>2</sup> )	(5.8 N-m)			
	75	4 AWG (21.1mm²)				
	80 4 AWG (21.1mm²)					
	90	90 3 AWG (26.7mm²)				
	100	3 AWG (26.7mm²)	]			
	125	1 AWG (42.4mm²)				
	125	1 AWG (42.4mm²)				
	150	1/0 AWG (53.5mm²)				
BW250	175	2/0 AWG (67.4mm²)	204 lbin.			
DVVZJU	200	3/0 AWG (85.0mm²)	(23 N-m)			
	225	4/0 AWG (107.2mm²)				
	250	250 MCM (127mm <sup>2</sup> )				
	250	250 MCM (127mm <sup>2</sup> )				
	300	350 MCM (177mm <sup>2</sup> )	385 lbin (43.5 N-m)			
<i>BW400</i>	350	500 MCM (253mm²)				
	400	3/0 AWGx2 (85.0mm²x2)	282 lb-in (31.9 N-m)			
BW630	500	250 MCMx2	275 lbin.			
DVVVO	600	250 MCMy2	(31 07 N-m)			

**Maximum Wire Sizes and Tightening Torque** 

www.automationdirect.com/circuit-protection

600

700

BW800

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

350 MCMx2

500 MCMx2

300 MCMx3

eCP-33

Terminal Blocks

Power

Company Information

Blocks Wiring

Accessories 7IPI ink

Connection System

Multi-wire

Sensor Cables and Connectors

M12 Junction Blocks

Connectors

Wiring Duct

Cable Ties

Flexible Cord

Multi-conductor

Data Cables

Wire Management Products

Power Supplies

Transformers and Filters

Tools

Test Equipment

Enclosures

Enclosure Climate Control

Safety: Electrical

Safety: Protective

Terms and

<sup>800</sup> \*Lug terminals are supplied as standard.

# Fuji Molded Case Circuit Breakers – Field-mountable Accessories





### Defeatable Rotary Handle Operating Mechanisms

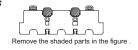
#### **BW9V0CA** shown

	Rotary Operating Handles for Fuji MCCBs – Selection Guide										
			V-type Handle		optional shaft 102 (155))		otional shaft 67 (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	Depth	Range in which the hinge with H can be installed	Screw	Handle Mass Ib. (kg)		
BW125	BW9V0CA	\$45.00	T. 10-±±0.010	9.843±0.078	5.512 to 9.843	28.307±0.078	28.307 - 5.591	M4 x 3.35 (85)	1 48 (0.67)		
BW250	BW9V0GA	\$45.00	(105±2)	(250±2)	(140 to 250)	(719±2)	(124 - 719)	IVI4 X 3.33 (03)	1.40 (0.07)		

# Dimensions Units: inches [mm]

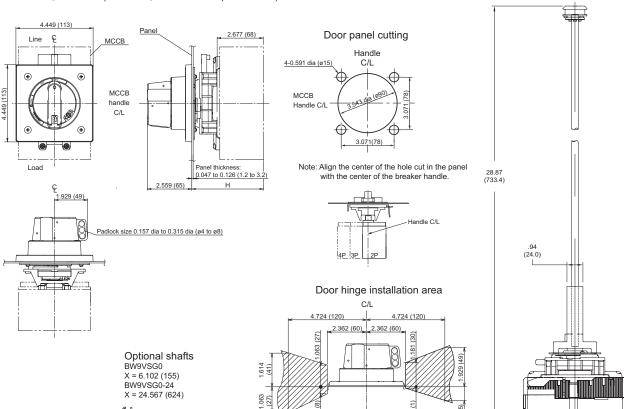
Notes: • Handle is an operating mechanism only; not for sealing enclosure door.

- 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)



Company Information

Terminal Blocks

Power Distribution Blocks

Wiring Accessorie

ZIPLink Connection System

Multi-wire Connectors

Sensor Cables and Connectors

M12 Junction

Blocks

Connectors

Wiring Duct

Cable Ties

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Flexible Cord

Multi-conductor Flex Cable

Data Cables

Wire Management Products

Power Supplies

DO 0 .

Transformers

and Filters

#### Circuit Protection

Tools

Test

Equipment

Enclosures

Enclosure Climate Control

Safety: Electrical

Components

Safety: Protective Wear

Terms and Conditions

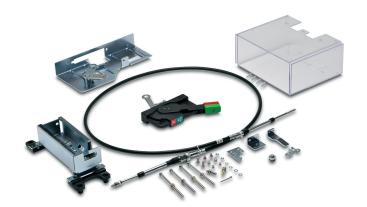
BW9VSG0-24 optional shaft

Breaker and Shaft Assembly

Install the door hinge in the shaded area.

# 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	\$237.00	Nema 12 flexible shaft handle for 125A frame. 59.06" (1.5m)cable					
BW 120	BW9F0CA-20A	\$247.00	Nema 12 flexible shaft handle for 125A frame. 78.74" (2m) cable					
DIVIOEO	BW9F0GA-15A	\$247.00	Nema 12 flexible shaft handle for 250A frame. 59.06" (1.5m)cable					
BW250	BW9F0GA-20A	\$257.00	Nema 12 flexible shaft handle for 250A frame. 78.74" (2m) cable					
DIM 400+	BW9F0HA-15A	\$359.00	Nema 12 flexible shaft handle for 400A frame. 59.06" (1.5m)cable					
BW400*	BW9F0HA-20A	\$369.00	Nema 12 flexible shaft handle for 400A frame. 78.74" (2m) cable					
BW630*&	BW9F0JA-15A	\$388.00	Nema 12 flexible shaft handle for 630A or 800A frame. 59.06" (1.5m)cable					
BW800*	BW9F0JA-20A	\$399.00	Nema 12 flexible shaft handle for 630A or 800A frame. 78.74" (2m) cable					
*Terminal cov	ers for line side and	load side	included with Flange Disconnects. 2/pk					

Flex Handle Specifications											
Operating instructions	<ul> <li>Operating handle facing</li> <li>Panel door cannot be op be turned toward reset p</li> <li>Release screw is standar</li> </ul>	<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 IP54 (IEC60	0529)									
Conforming Standards	NFPA 79(2007), ANSI(Loc	kout), OSHA(1910.147, Loc	ckout/tagout), UL489(cUL)								
Environment	No excessive dust, smoke,	corrosive gases, flammable	e gases, steam or salt.								

Utomation Direct

Company Information

Terminal Blocks

Power Distribution Blocks

Wiring

ZIPLink Connection System

Multi-wire Connectors

Sensor Cables and Connectors

M12 Junction Blocks

Panel Interface Connectors

Wiring Duct

Tilling Duot

able lies

\*110

Flexible Cord

Multi-conductor Flex Cable

Data Cables

Wire Management Products

Power Supplies

C Converters

Transformers

and Filters

Circuit Protection

Tools

Test Equipment

Enclosures

Enclosure

Climate Control

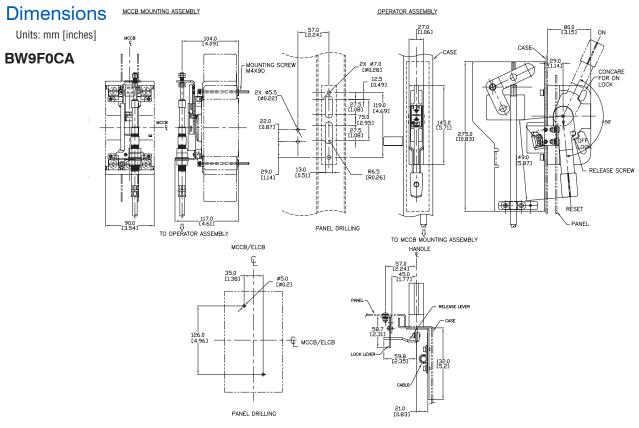
Safety: Electrical Components

Safety: Protective Wear

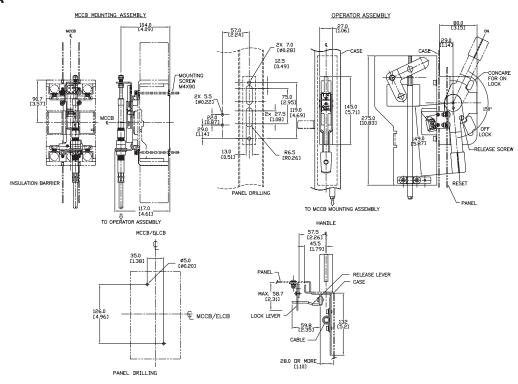
Terms and

Conditions

# Fuji Molded Case Circuit Breakers – Field-mountable Accessories



#### **BW9F0GA**



# Fuji Molded Case Circuit Breakers – Accessories





BW9W1SHA shown

### **Auxiliary Contacts**

The auxiliary contacts are accessory contacts for the indication of circuit breaker openclosed or tripped.

	Auxiliary Contacts for Fuji MCCBs – Selection Guide										
Breaker Type	Part Number	Price	Description								
BW125 BW250	BW9W1SG0	\$24.00	Auxiliary switch for for 125A and 250A frame. Mounting left and right side								
BW400 BW630 BW800	BW9W1SHA	\$22.50	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		AC			DC		Minimum Load Current			
	Current (A)	Voltage (V)	Res. Load	Ind. Load	Voltage (V)	Res. Load	Ind. Load	Luau Guirein			
		24	5	5	24	4	3				
BW125, BW250, BW400 BW630,		48	5	5	48	2.5	1	5V DC 160 mA			
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/A	XCL14/AXaL				
SPD	т						
	(1) 12/AXbL	]	12/AXbL				



**BW9FRG0** shown

### **Shunt Trips**

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

Shunt Trips for Fuji MCCBs – Selection Guide						
Part Number	Price	Description				
BW9FRG0	\$49.50	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	\$35.75	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	\$49.50	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	\$49.50	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						
Brooker Tune	AC		DC		Time Deting of Coil	Onerating Time (me)
Breaker Type	Voltage (V)	VA	Voltage (V)	W	Time Rating of Coil	Operating Time (ms)
BW125, BW250	24	50	24	50	Continuous	13-21
	100-120	50	100-110	50	(with 1 N.O. contact to prevent coil burnout)	
BW400,	24-48	2	24-48	2	Continuous	0.00
BW630, BW800	100-240	3	100-220	3	Continuous	8-20
Note: Allowable operating voltage AC voltage: 85% to 110% of coil rated voltage						

| 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	\$49.50	Undervoltage Release 24V DC (Left side ONLY)		
BW125, BW250 BW9RGAT \$49.50 Undervoltage Release 110 to 130 VAC VAC/VDC (Left side ONLY)			Undervoltage Release 110 to 130 VAC VAC/VDC (Left side ONLY)		
BW400, BW630, BW800 BW9RHA-R \$35.75 Undervoltage Release 24 VAC/VDC (Left side ONLY)		Undervoltage Release 24 VAC/VDC (Left side ONLY)			
<b>BW400, BW630, BW800 BW9RHA-1</b> \$35.75 Undervoltage Release 120 to 130 VAC 125 VDC (Left side ONLY)					



**BW9RGAR** shown

Ratings of Undervoltage Trip						
Dunales Tuna	AC		DC			
Breaker Type	Voltage (V)	VA	Voltage (V)	W		
BW125*1 BW250*1	_	_	24	5		
DW250	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.

<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.



BW9SL0GA-3 shown

### Replacement Lugs

Replacement Lug Kits for Fuji MCCBs – Selection Guide						
Part Number	lumber Price Description					
BW9SL0CA-3	\$38.75	Replacement lug kit for BW125 series MCCB. 75°C. Cu only Package of 3				
BW9SL0GA-3	\$43.00	Replacement lug kit for BW250 series up to 175A MCCB. 75°C. Cu only Package of 3				
BW9SL1GA-3	\$62.50	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.

Direct

Company Information

Terminal Blocks

Power

Blocks
Wiring

7IPI ink

Connection System Multi-wire

connectors

Sensor Cables and Connectors

M12 Junction Blocks

Panel Interface Connectors

Wiring Duct

Cable Ties

Flexible Cord

Multi-conductor Flex Cable

Data Cables

Wire Management Products

Power Supplies

DC Converters

Transformers and Filters

Circuit Protection

\_

Tools

Lest Equipment

Enclosures

Enclosure Climate Control

Safety: Electrical

Safety: Protective

vvcai

Terms and

<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.

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

# Fuji Molded Case Circuit Breakers – Accessories



### **Terminal Covers**

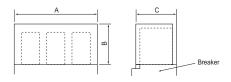
Terminal covers act as guards to shield the operator from touching live terminations. They fit either the line or load side.



BW9BTHA-L3W shown

Terminal Covers for Fuji MCCBs – Selection Guide							
Brooker Cories	Dout Number	Brica Bassintian	Dimensions inch (mm)				
Breaker Series	Part Number	Price	Description	А	В	С	
BW400	BW9BTHA-L3W	\$49.00	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	\$52.00	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 Series	Part Number	Price	Description			
BW125 BW250	BW9Q1CA	\$12.00	Use to lock out BW125 and BW 250 series MCCBs. Lock not included			
BW400, BW630, BW800	BW9QNHA	\$29.00	Use to lock out BW400, BW600 and BW800 MCCBs. Lock not included.			



BW9Q1CA shown