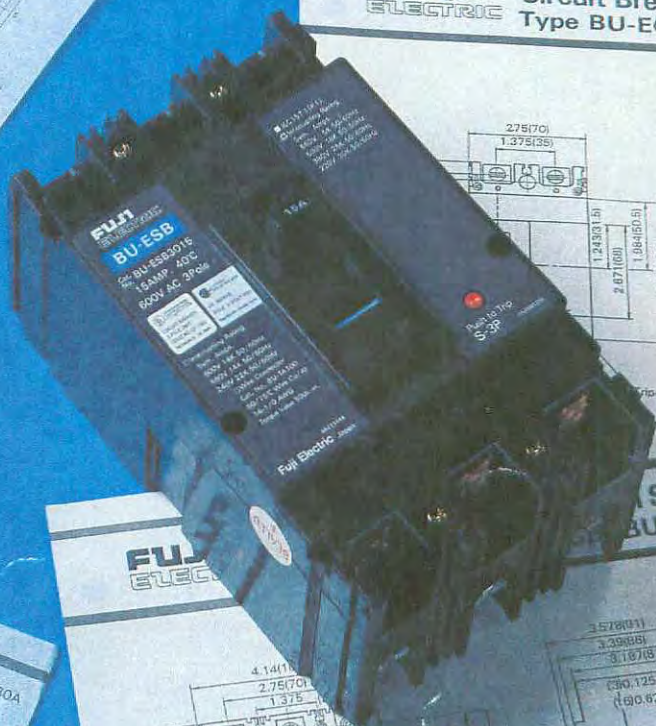


**FUJI**  
ELECTRIC

# FUJI Series BU Molded Case Circuit Breakers

**UL listed**  
**CSA certified**





## **CATALOG DISCLAIMER**

THE INFORMATION CONTAINED IN THIS CATALOG DOES NOT CONSTITUTE AN EXPRESS OR IMPLIED WARRANTY OF QUALITY. ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS HEREBY DISCLAIMED.

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## **ONE YEAR LIMITED WARRANTY**

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# FUJI Series BU

## Molded Case Circuit Breakers

Please see the replacement for BU-ESB, BU-FSB and BU-FHB chart attached in last pages.

Maximum voltage	Ampere frame	Type	Page
<b>240V AC</b> General purpose lighting circuit breakers	100	BU-ECA	9
	225	BU-GCA	11
	225	BU-GDA	11
	400	BU-KDA	13
<b>600V AC</b> Standard industrial circuit breakers	<del>Discontinued</del> 100	<del>BU-ESB</del>	15 <i>Discontinued</i>
	<del>Discontinued</del> 150	<del>BU-FSB</del>	17 <i>Discon.</i>
	250	BU-JSB	19
	400	BU-KSB	21
	600	BU-LSB	23
	800	BU-MSB	25
	1200	BU-NSB	27
<b>600V AC</b> High interrupting rated circuit breakers	<del>Discontinued</del> 150	<del>BU-FHB</del>	29 <i>Discon.</i>
	250	BU-JHB	31
	400	BU-KHB	33
	600	BU-LHB	35
	800	BU-MHB	37
	1200	BU-NHB	39

### Features

- Series BU have been listed by UL 489 and certified by CSA 22.2 No. 5. They also meet IEC 157-1 (P1).
- Available in 100 to 1200 ampere frames.
- Employ "X" dimensions. Can be easily mounted in U.S. standard type lighting panelboards and switchboards.
- High-interrupting types with the built-in HSS-trip mechanism, which permits series-rated systems—a cost efficient feature.
- Molded case uses polyester compound which is highly resistant to stress and heat caused by circuit interruptions.
- Compactly built
- Subject to strict quality control and accurate performance verification tests.

# SELECTION AND INTERRUPTING RATINGS



Series BU circuit breakers															
Breaker type	Maximum ampere ratings	No. of poles <sup>①</sup>	Continuous ampere ratings	Volts		UL listed interrupting ratings <sup>②</sup> rms. symmetrical amperes					CSA certified interrupting ratings <sup>③</sup> rms. symmetrical amperes				
				AC	DC	AC voltage		DC voltage			AC voltage		DC voltage		
						240	480	600	250	125/250	240	480	600	250	125/250
BU-ECA	100	2	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100	240	125/250	10000	—	—	—	5000	—	—	—	—	—
BU-ECA	100	3	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100	240	—	10000	—	—	—	—	—	—	—	—	—
<del>BU-ESB</del>	100	2, 3	15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100	600	—	22000	14000	14000	—	—	22000	14000	14000	—	—
<del>BU-FSB</del>	150	2, 3	15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100, 125, 150	600	—	30000	22000	14000	—	—	22000	14000	14000	—	—
<del>BU-FHB</del>	150	2, 3	15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80, 90, 100, 125, 150	600	125/250	65000	25000	18000	—	10000	65000	25000	18000	—	—
BU-GCA	225	2, 3	125, 150, 175, 200, 225	240	—	10000	—	—	—	—	—	—	—	—	—
<del>BU-GDA</del>	225	2, 3	125, 150, 175, 200, 225	240	—	22000	—	—	—	—	—	—	—	—	—
BU-JSB	250	2, 3	70, 90, 100, 125, 150, 175, 200, 225, 250	600	250	50000	30000	22000	10000	10000	50000	30000	22000	—	—
BU-JHB	250	2, 3	70, 90, 100, 125, 150, 175, 200, 225, 250	600	250	65000	35000	25000	10000	10000	65000	35000	25000	—	—
BU-KDA	400	2, 3	250, 300, 350, 400	240	250	22000	—	—	10000	10000	—	—	—	—	—
BU-KSB	400	2, 3	125, 150, 175, 200, 225, 250, 300, 350, 400	600	250	50000	30000	22000	10000	10000	50000	30000	22000	—	—
BU-KHB	400	2, 3	125, 150, 175, 200, 225, 250, 300, 350, 400	600	250	65000	35000	25000	10000	10000	65000	35000	25000	—	—
BU-LSB	600	2, 3	250, 300, 350, 400, 500, 600	600	250	50000	30000	22000	10000	10000	50000	30000	22000	—	—
BU-LHB	600	2, 3	250, 300, 350, 400, 500, 600	600	250	65000	35000	25000	10000	10000	65000	35000	25000	—	—
BU-MSB	800	2, 3	600, 700, 800	600	—	50000	30000	22000	—	—	50000	30000	22000	—	—
BU-MHB	800	2, 3	600, 700, 800	600	—	65000	42000	25000	—	—	65000	42000	25000	—	—
BU-NSB	1200	2, 3	1000, 1200	600	—	50000	30000	22000	—	—	50000	30000	22000	—	—
BU-NHB	1200	2, 3	1000, 1200	600	—	65000	42000	25000	—	—	65000	42000	25000	—	—

Notes: ①: BU-ESB through BU-NHB; 2-pole breakers are supplied in 3-pole frame without conductors for center pole.

②: UL File No. E-90584

③: CSA File No. LR66856

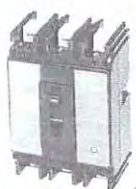

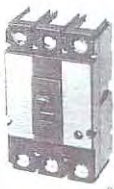



# 240Volts AC



Discon.

### Series BU Molded Case Circuit Breakers

Frame designation		E		G		G		K	
Maximum ampere ratings (A)		100		225		225		400	
Photo									
		84-33		84-29		84-30		84-24	
Rated voltage (V) UL 489	AC	240	—	240	240	240	240	240	240
	DC	—	125/250	—	—	—	—	250	250
Breaker type		BU-ECA		BU-ECA		BU-GCA		<del>BU-GDA</del>	
No. of poles <sup>①</sup>		2		3		2	3	2	3
Ampere ratings (A)		5-100		5-100		125-225		125-225	
Three-phase interrupting ratings RMS, Sym. (A) 50/60Hz	UL 489	240V AC	10000	—	10000	10000	10000	22000	22000
		480V AC	—	—	—	—	—	—	—
		250V DC	—	—	—	—	—	10000	—
		125/250V DC	—	5000	—	—	—	10000	—
	IEC 157-1(P1)	220V AC	10000	—	10000	10000	10000	22000	22000
		380V AC	5000	—	5000	10000	14000	14000	14000
		500V AC	—	—	—	—	—	—	—
		660V AC	—	—	—	—	—	—	—
		250V DC	—	5000	—	10000	—	10000	—
		—	—	—	—	—	—	—	—
Overload tripping mechanism	Hydraulic magnetic		✓	✓	—	—	—	—	—
	Thermal and magnetic		—	—	✓	✓	✓	✓	✓
Tripping unit	Interchangeable		—	—	—	—	—	—	—
	Inst. magnetic adjustable		—	—	—	—	—	—	—
Accessories <sup>②</sup> (Optional)	Shunt trip	F	✓	✓	✓	✓	✓	✓	✓
	Undervoltage release	R	—	✓	✓	✓	✓	✓	✓
	Auxiliary switch	W	✓	✓	✓	✓	✓	✓	✓
	Alarm switch	K	✓	✓	✓	✓	✓	✓	✓
	Handle mechanism	G	BU-GCE		BU-GGD		BU-GGD		BU-GKH
Approx. dimensions, inch (mm)	X (X=1.375 in.=35mm)		2X	3X	3X	3X	3X	4X	4X
	a		2.75 ( 70)	4.12 (105)	4.12 (105)	4.12 (105)	4.12 (105)	5.5 (140)	5.5 (140)
	b		5.98 (152)	5.98 (152)	6.77 (172)	6.77 (172)	6.77 (172)	10.2 (257)	10.2 (257)
	c		2.67 ( 68)	2.67 ( 68)	2.67 ( 68)	2.67 ( 68)	2.67 ( 68)	4.06 (103)	4.06 (103)
	d		3.27 ( 83)	3.27 ( 83)	3.42 ( 87)	3.42 ( 87)	3.42 ( 87)	5.28 (134)	5.28 (134)
Net weights <sup>③</sup>	(kg)		0.7	1.0	1.6	1.6	1.6	5.0	5.0
	(LBS)		1.5	2.2	3.4	3.4	3.4	11.0	11.0
Page (catalog number and list price)		9		9		11		11	

Notes: ✓: Available —: Not available

①: BU-GCA through BU-KDA; 2-pole breakers are supplied in 3-pole frame without conductors for center pole.

②: Optional accessories are UL recognized.

③: Without terminal connectors.







**600Volts AC****UL Listed****CSA Certified**

Discon.

Discon.

**Series BU Molded Case Circuit Breakers**

Frame designation			E	F	J	K
Maximum ampere ratings (A)			100	150	250	400
Photo						
			84 32	84 31	84 27	84 25
Rated voltage (V)	AC		600	600	600	600
	DC		—	—	250	250
Breaker type			<del>BU-ESB</del>	<del>BU-FSB</del>	BU-JSB	BU-KSB
No. of poles <sup>①</sup>			2   3	2   3	2   3	2   3
Ampere ratings (A)			15–100	15–100	70–250	125–400
Three-phase interrupting ratings RMS, Sym. (A) 50/60Hz	UL	240V AC	22000	30000	50000	50000
		480V AC	14000	22000	30000	30000
		600V AC	14000	14000	22000	22000
		250V DC	—	—	10000	10000
		125/250V DC	—	—	10000	10000
	CSA C22.2 No. 5	240V AC	22000	22000	50000	50000
		480V AC	14000	14000	30000	30000
		600V AC	14000	14000	22000	22000
		250V DC	—	—	—	—
		125/250V DC	—	—	—	—
	IEC 157-1 (P1)	220V AC	30000	30000	30000	65000
		380V AC	25000	25000	25000	30000
		500V AC	18000	18000	22000	25000
		660V AC	5000	5000	14000	14000
		250V DC	10000	10000	10000	10000
			—	—	—	—
Overload tripping mechanism	Hydraulic magnetic		—	—	—	—
	Thermal and magnetic		✓	✓	✓	✓
Tripping unit	Interchangeable		—	—	—	—
	Inst. magnetic adjustable		—	—	✓	✓
Accessories: <sup>②</sup> (Optional)	Shunt trip	F	✓	✓	✓	✓
	Undervoltage release	R	✓	✓	✓	✓
	Auxiliary switch	W	✓	✓	✓	✓
	Alarm switch	K	✓	✓	✓	✓
	Handle operating mechanism	G	BU-GGD	BU-GGD	BU-GKH	BU-GKH
	Insulation barrier		B-13A	B-13A	B-43A	B-43A
	Terminal cover		BU-CFHA	BU-CFHA	BU-CKH	BU-CKH
Approx. dimensions, inch (mm)	X (X = 1.375 in. = 35mm)		3X	3X	4X	4X
	a		4.12 (105)	4.12 (105)	5.5 (140)	5.5 (140)
	b		6.61 (168)	6.61 (168)	10.2 (257)	10.2 (257)
	c		3.39 (86)	3.39 (86)	4.06 (103)	4.06 (103)
	d		4.30 (109)	4.30 (109)	5.28 (134)	5.28 (134)
Net weights <sup>③</sup>	(kg)		1.8   2.0	1.8   2.0	4.4   5.0	4.4   5.0
	(LBS)		4.0   4.4	4.0   4.4	9.7   11.0	9.7   11.0

Notes: ✓ : Available — : Not available

① : 2-pole breakers are supplied in 3 pole frame without conductors for center pole.

② : Optional accessories are UL recognized.

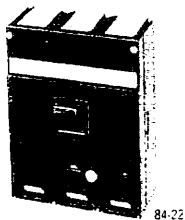
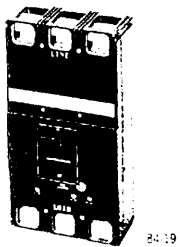
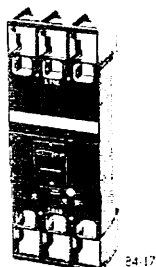
③ : Without terminal connectors

# 600Volts AC

 **Listed**

 **Certified**

### Series BU Molded Case Circuit Breakers

Frame designation			L		M		N	
Maximum ampere ratings (A)			600		800		1200	
Photo								
Rated voltage (V)			600		600		600	
			250		—		—	
Breaker type			BU-LSB		BU-MSB		BU-NSB	
No. of poles ①			2      3		2      3		2      3	
Ampere ratings (A)			250–600		600–800		1000–1200	
Three-phase interrupting ratings RMS, Sym. (A) 50/60Hz	UL 489	240V AC	50000		50000		50000	
		480V AC	30000		30000		30000	
		600V AC	22000		22000		22000	
		250V DC	10000	—	—	—	—	—
		125/250V DC	10000	—	—	—	—	—
	CSA C22.2 No. 5	240V AC	50000		50000		50000	
		480V AC	30000		30000		30000	
		600V AC	22000		22000		22000	
		250V DC	—	—	—	—	—	—
		125/250V DC	—	—	—	—	—	—
	IEC 157-1 (P1)	220V AC	65000		65000		65000	
		380V AC	35000		35000		35000	
		500V AC	25000		25000		25000	
		600V AC	18000		18000		18000	
		250V DC	10000	—	—	—	—	—
Overload tripping mechanism	Hydraulic magnetic		—		—		—	
	Thermal and magnetic		✓		✓		✓	
Tripping unit	Interchangeable		✓		✓		✓	
	Inst. magnetic adjustable		✓		✓		✓	
Accessories ② (Optional)	Shunt trip		F	✓	✓	✓	✓	✓
	Undervoltage release		R	✓	✓	✓	✓	✓
	Auxiliary switch		W	✓	✓	✓	✓	✓
	Alarm switch		K	✓	✓	✓	✓	✓
	Handle operating mechanism		G	BU-GLH	BU-GNH	BU-GNH	BU-GNH	BU-GNH
	Insulation barrier			B-43A	B-43A	—	—	—
	Terminal cover			BU-CLH	—	—	—	—
Approx. dimensions, inch (mm)	X (X ≅ 1.375 in. = 35mm)		6X		6X		6X	
	a		8.25 (210)		8.25 (210)		8.25 (210)	
	b		10.8 (273)		15.8 (400)		21.7 (550)	
	c		4.06 (103)		4.14 (105)		5.52 (140)	
	d		5.47 (139)		6.22 (158)		7.60 (193)	
Net weights ③	(kg)		7.2	8.1	11.9	14.5	14.5	17.1
	(LBS)		15.9	17.8	26.2	32.0	32.0	37.8

Notes: ✓ : Available —: Not available




① : 2-pole breakers are supplied in 3-pole frame without conductors for center pole.

② : Optional accessories are UL listed.

③ : Without terminal connectors



**600Volts AC****UL Listed****CSA Certified***Discon.***Series BU Molded Case Circuit Breakers**

Frame designation			F	J	K	
Maximum ampere ratings (A)			150	250	400	
Photo			<div>Discontinued</div> <div><div>84-35</div></div>	<div><div>84-28</div></div>	<div><div>84-26</div></div>	
Rated voltage (V)		AC	600	600	600	
		DC	125/250	250	250	
Breaker type			<del>BU-FHB</del>	BU-JHB	BU-KHB	
No. of poles <sup>①</sup>			2      3	2      3	2      3	
Ampere ratings (A)			15–150	70–250	125–400	
Three-phase Interrupting ratings RMS, Sym. (A) 50/60Hz	UL 489	240V AC	65000	65000	65000	
		480V AC	25000	35000	35000	
		600V AC	18000	25000	25000	
		250V DC	—	10000	10000	
		125/250V DC	10000	—	10000	
	CSA C22.2 No. 5	240V AC	65000	65000	65000	
		480V AC	25000	35000	35000	
		600V AC	18000	25000	25000	
		250V DC	—	—	—	
		125/250V DC	—	—	—	
	IEC 157-1 (P1)	220V AC	85000	85000	85000	
		380V AC	30000	42000	42000	
		500V AC	22000	30000	30000	
		660V AC	10000	18000	18000	
		250V DC	20000	—	20000	
Overload tripping mechanism	Hydraulic magnetic		—	—	—	
	Thermal and magnetic		✓	✓	✓	
	HSS-trip		✓	✓	✓	
Tripping unit	Interchangeable		—	—	—	
	Inst. magnetic adjustable		—	✓	✓	
Accessories <sup>②</sup> (Optional)	Shunt trip	F	✓	✓	✓	
	Undervoltage release	R	✓	✓	✓	
	Auxiliary switch	W	✓	✓	✓	
	Alarm switch	K	✓	✓	✓	
	Handle operating mechanism	G	BU-GGD	BU-GKH	BU-GKH	
	Insulation barrier		B-13A	BU-13A	BU-13A	
	Terminal cover		BU-CFHA	BU-CKH	BU-CKH	
Approx. dimensions, inch (mm)	X (X = 1.375 in. = 35mm)		3X	4X	4X	
	a		4.12 (105)	5.5 (140)	5.5 (140)	
	b		6.61 (168)	10.2 (257)	10.2 (257)	
	c		3.39 ( 86)	4.06 (103)	4.06 (103)	
	d		4.30 (109)	5.28 (134)	5.28 (134)	
Net weights <sup>③</sup>	(kg)		1.8	2.0	4.4	5.0
	(LBS)		4.0	4.4	9.7	11.0

Notes ✓ : Available — : Not available

① : 2-pole breakers are supplied in 3-pole frame without conductors for center pole.

② : Optional accessories are UL recognized.

③ : Without terminal connectors

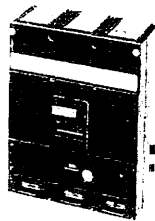

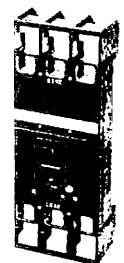


# 600Volts AC

 **Listed**

 **Certified**

### Series BU Molded Case Circuit Breakers

Frame designationRated			L		M		N	
Maximum ampere ratings (A)			600		800		1200	
Photo			 54-23		 84-20		 84-21	
Rated voltage (V)			AC 600 DC 250		600 —		600 —	
Breaker type			BU-LHB		BU-MHB		BU-NHB	
No. of poles ①			2      3		2      3		2      3	
Ampere ratings (A)			250–600		600–800		1000–1200	
Three-phase Interrupting ratings RMS. Sym. (A) 50/60Hz	UL 489	240V AC	65000		65000		65000	
		480V AC	35000		42000		42000	
		600V AC	25000		25000		25000	
		250V DC	10000		—		—	
		125/250V DC	10000		—		—	
	CSA C22.2 No. 5	240V AC	65000		65000		65000	
		480V AC	35000		42000		42000	
		600V AC	25000		25000		25000	
		250V DC	—		—		—	
		125/250V DC	—		—		—	
	IEC 157-1 (P1)	220V AC	85000		85000		85000	
		380V AC	42000		50000		50000	
		500V AC	30000		35000		35000	
		660V AC	22000		25000		25000	
		250V DC	20000		—		—	
		—	—		—		—	
Overload tripping mechanism	Hydraulic magnetic		—		—		—	
	Thermal and magnetic		✓		✓		✓	
	HSS-trip		✓		—		—	
Tripping unit	Interchangeable		✓		✓		✓	
	Inst. magnetic adjustable		✓		✓		✓	
Accessories ② (Optional)	Shunt trip	F	✓		✓		✓	
	Undervoltage release	R	✓		✓		✓	
	Auxiliary switch	W	✓		✓		✓	
	Alarm switch	K	✓		✓		✓	
	Handle operating mechanism	G	BU-GLH		BU-GNH		BU-GNH	
	Insulation barrier		B-43A		B-43A		—	
	Terminal cover		BU-CLH		—		—	
Approx. dimensions, inch (mm)	X (X = 1.375 in. = 35mm)		6X		6X		6X	
	a		8.25 (210)		8.25 (210)		8.25 (210)	
	b		10.8 (273)		15.8 (400)		21.7 (550)	
	c		4.06 (103)		4.14 (105)		5.52 (140)	
	d		5.47 (139)		6.22 (158)		7.60 (193)	
Net weights ③	(kg)		7.2		11.9		14.5	
	(LBS)		15.9		26.2		32.0	

Notes: ✓ : Available — : Not available

① : 2-pole breakers are supplied in 3-pole frame without conductors for center pole.

② : Optional accessories are UL listed.

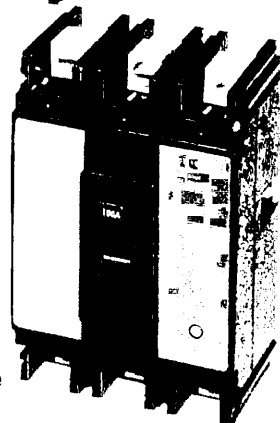
③ : Without terminal connectors

# BU-ECA

## 240V AC, 100A



2-Pole



3-Pole

Hydraulic magnetic breakers

## List prices and catalog numbers

**Hydraulic magnetic breakers**  
**Line and load terminal connectors included**  
**For line terminal connectors: See page 10**

Continuous ampere ratings	2-Pole		3-Pole		2-Pole DC only	
	240 Volts AC 50/60Hz		240 Volts AC 50/60Hz		125/250 Volts DC	
	Catalog number	List price	Catalog number	List price	Catalog number	List price
5	BU-ECA2005L	\$101	BU-ECA3005L	\$149	BU-ECA2005DL	\$101
10	BU-ECA2010L	\$101	BU-ECA3010L	\$149	BU-ECA2010DL	\$101
15	BU-ECA2015L	\$101	BU-ECA3015L	\$149	BU-ECA2015DL	\$101
20	BU-ECA2020L	\$101	BU-ECA3020L	\$149	BU-ECA2020DL	\$101
25	BU-ECA2025L	\$101	BU-ECA3025L	\$149	BU-ECA2025DL	\$101
30	BU-ECA2030L	\$101	BU-ECA3030L	\$149	BU-ECA2030DL	\$101
35	BU-ECA2035L	\$101	BU-ECA3035L	\$149	BU-ECA2035DL	\$101
40	BU-ECA2040L	\$101	BU-ECA3040L	\$149	BU-ECA2040DL	\$101
45	BU-ECA2045L	\$101	BU-ECA3045L	\$149	BU-ECA2045DL	\$101
50	BU-ECA2050L	\$101	BU-ECA3050L	\$149	BU-ECA2050DL	\$101
60	BU-ECA2060L	\$101	BU-ECA3060L	\$149	BU-ECA2060DL	\$101
70	BU-ECA2070L	\$164	BU-ECA3070L	\$211	BU-ECA2070DL	\$164
80	BU-ECA2080L	\$164	BU-ECA3080L	\$211	BU-ECA2080DL	\$164
90	BU-ECA2090L	\$164	BU-ECA3090L	\$211	BU-ECA2090DL	\$164
100	BU-ECA2100L	\$164	BU-ECA3100L	\$211	BU-ECA2100DL	\$164
Shipping weights	2.0 lbs	0.9kg	2.7 lbs	1.2 kg	2.0	0.9 kg

## Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-ECA	2P 240V AC 125/250V DC	10000 5000
	3P 240V AC	10000

## Further information

Terminal connectors: See page 10

Handle mechanisms: See page 43

Terminals: See page 47

IEC I.C. ratings: See page 4

## Optional accessories, factory modifications

Accessory	Volts	Suffix number	List price	Accessory	Total contacts	Suffix number	List price
Shunt trip	240V AC	F2	\$117	Auxiliary switch	1 Form C	W	\$40
	208V AC	FB	117	Double auxiliary switch	2 Form C	V	80
	120V AC	F1	117				
	60V AC	F6	117	Alarm switch	1 Form C	K	95
	48V AC	F7	117				
	24V AC	F8	117	Auxiliary and alarm switch	2 Form C	WK	135
	250V DC	FG	117				
	125V DC	FJ	117				
	60V DC	FP	117				
	48V DC	FN	117				
	24V DC	FM	117				
	12V DC	FQ	117				
Undervoltage release	240V AC	R2	232				
	120V AC	R1	232				
	250V DC	RG	232				
	125V DC	RJ	232				
	48V DC	RN	232				
	24V DC	RM	232				
	12V DC	RQ	232				

Note: BU-ECA circuit breakers can be modified in FUJI factory or UL recognized factories—customer's field modifications are not authorized. Accessories, modifications: See page 41 Accessories, ratings: See page 42

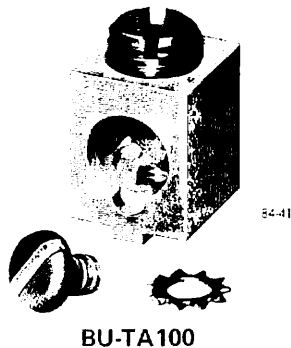
To order internal accessories add suffix number to breaker's Cat. No. in the table.  
 Example: BU-ECA3015XF2



# BU-ECA

## 240V AC, 100A

## Terminal connectors



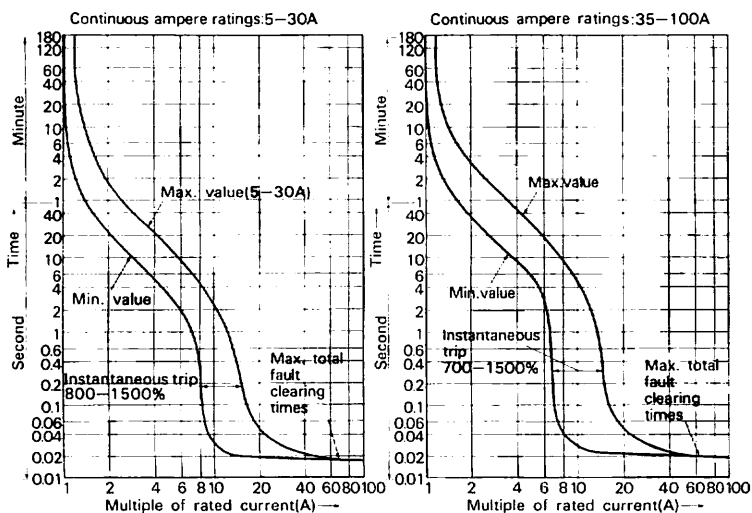
Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-ECA FUJI circuit breakers.

- When requiring extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
5-100	Al/Cu	#14-1/0	BU-TA100	\$6 (1 EA:\$2)

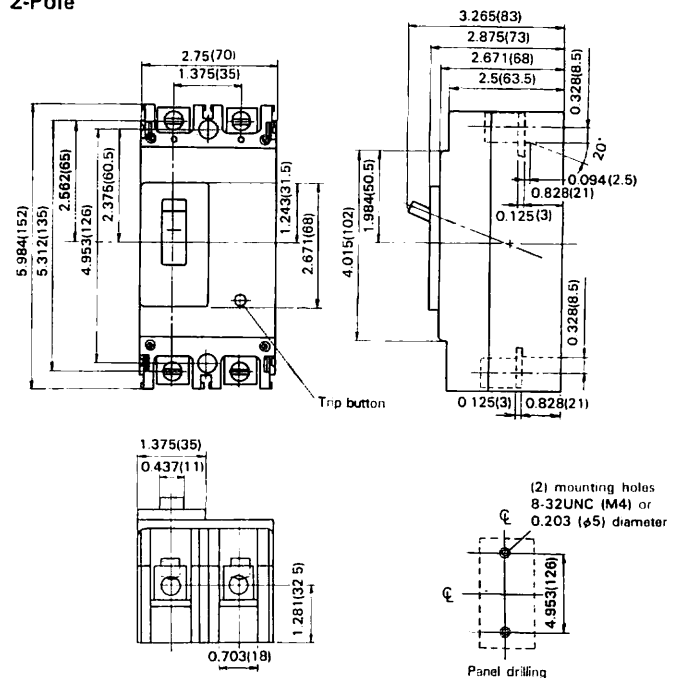
Instruction manual: IBU-18

## Characteristic curves

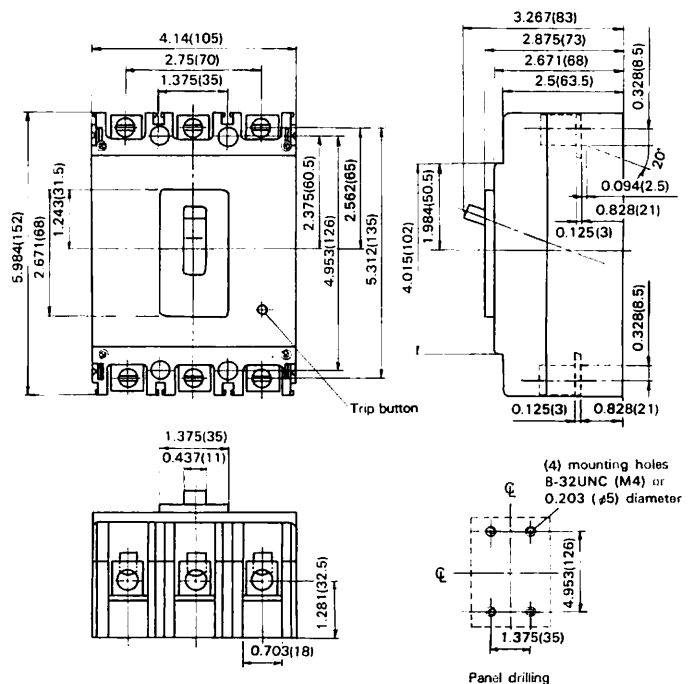


## Dimensions, inch (mm)

## 2-Pole

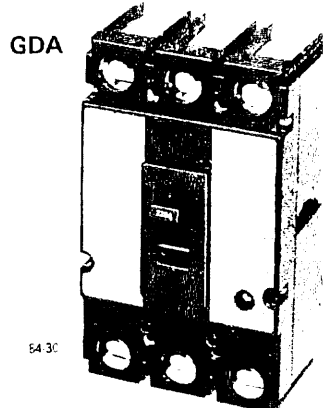
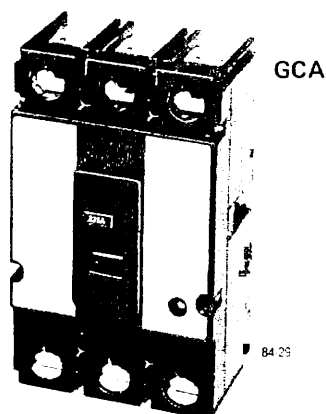


## 3-Pole



# BU-GCA,GDA

## 240V AC, 225A



Thermal magnetic breakers

### List Prices and catalog numbers

#### BU-GCA Thermal magnetic breakers Line and load terminal connectors included

Continuous ampere ratings @40° C	2-Pole <sup>①</sup>		3-Pole	
	240Volts AC 50/60Hz		240Volts AC 50/60Hz	
	Catalog number	List Price	Catalog number	List Price
125	BU-GCA2125L	\$ 214	BU-GCA3125L	\$ 398
150	BU-GCA2150L	214	BU-GCA3150L	398
175	BU-GCA2175L	214	BU-GCA3175L	398
200	BU-GCA2200L	214	BU-GCA3200L	398
225	BU-GCA2225L	214	BU-GCA3225L	398
Shipping weights	4.2 lbs	1.9 kg	4.4 lbs	2.0 kg

#### BU-GDA Thermal magnetic breakers Line and load terminal connectors included

Continuous ampere ratings @40° C	2-Pole <sup>①</sup>		3-Pole	
	240Volts AC 50/60Hz		240Volts AC 50/60Hz	
	Catalog number	List price	Catalog number	List price
125	BU-GDA2125L	\$ 362	BU-GDA3125L	\$ 568
150	BU-GDA2150L	362	BU-GDA3150L	568
175	BU-GDA2175L	362	BU-GDA3175L	568
200	BU-GDA2200L	362	BU-GDA3200L	568
225	BU-GDA2225L	362	BU-GDA3225L	568
Shipping weights	4.2 lbs	1.9 kg	4.4 lbs	2.0 kg

Note: ①: 2-pole breakers are supplied in 3-pole frame without conductors for center pole.

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-GCA	2, 3P 240V AC	10000
BU-GDA	2, 3P 240V AC	22000

### Optional accessories, factory modifications

Accessory	Volts	Suffix number	List price	Accessory	Total contacts	Suffix number	List price
Shunt trip	240V AC	F2	\$117	Auxiliary switch	1 Form C	W	\$40
	208V AC	FB	117	Double auxiliary switch	2 Form C	V	80
	120V AC	F1	117				
	60V AC	F6	117	Alarm switch	1 Form C	K	95
	48V AC	F7	117				
	24V AC	F8	117	Auxiliary and alarm switch	2 Form C	WK	135
	250V DC	FG	117				
	125V DC	FJ	117				
	60V DC	FP	117				
	48V DC	FN	117				
Undervoltage release	24V DC	FM	117				
	12V DC	FQ	117				
	240V AC	R2	232				
	120V AC	R1	232				
	250V DC	RG	232				
	125V DC	RJ	232				
	48V DC	RN	232				
	24V DC	RM	232				
	12V DC	RQ	232				

Note: BU-GCA and GDA circuit breakers can be modified in FUJI factory or UL recognized factories — customer's field modifications are not authorized.

Accessories, modifications: See page 41  
Accessories, ratings: See page 42

To order internal accessories add suffix number to breaker's Cat. No. in the table.  
Example: BU-GCA3125LF2

### Further information

Terminal connectors: See page 12

Handle mechanisms: See page 43

Terminals: See page 47

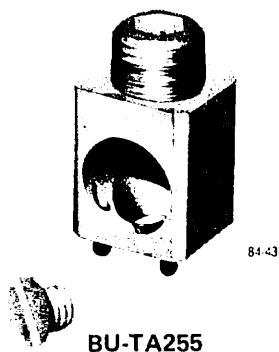
IEC I.C. ratings: See page 4



# BU-GCA, GDA

## 240V AC, 225A

### Terminal connectors



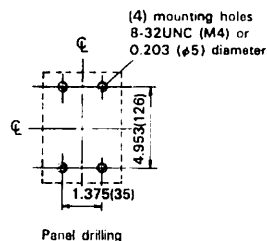
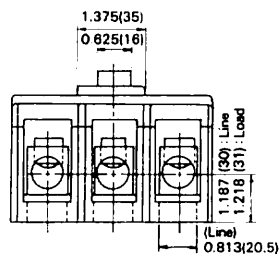
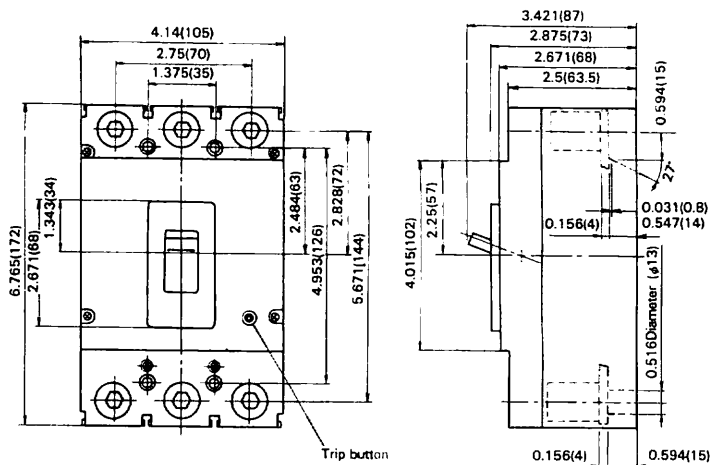
Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-GCA and BU-GDA FUJI circuit breakers.

- To order extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
125-225	Al/Cu	#1-300MCM	BU-TA225	\$9 (1 EA: \$3)

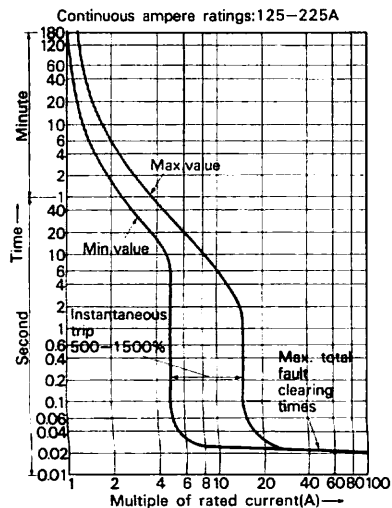
Instruction manual: IBU-20

### Dimensions, inch (mm)



### Characteristic curves

Ambient temperature: 40°C



# BU-KDA

## 240V AC, 400A



Thermal magnetic breaker

### List prices and catalog numbers

#### Thermal magnetic breakers

Line and load terminal connectors included

Continuous ampere ratings @40°C	Magnetic trip setting amperes	2-Pole <sup>①</sup>		3-Pole	
		240 Volts AC 50/60 Hz 125/250, 250 Volts DC		240 Volts AC 50/60 Hz	
		Catalog number	List price	Catalog number	List price
	Low    High				
250	1250 - 2500	BU-KDA2250L	\$940	BU-KDA3250L	\$1130
300	1500 - 3000	BU-KDA2300L	940	BU-KDA3300L	1130
350	1750 - 3500	BU-KDA2350L	940	BU-KDA3350L	1130
400	2000 - 4000	BU-KDA2400L	960	BU-KDA3400L	1160
Shipping weights		12.6 lbs	5.7 kg	14.6 lbs	6.6 kg

Note: ① : 2-pole breakers are supplied in 3-pole frame without conductors for center pole.

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-KDA	2,3P 240V AC	22000
	2P 250V DC	10000
	125/250V DC	10000

### Further information

Terminal connectors: See page 14

Handle mechanisms: See page 43

Terminals: See page 47

IEC I.C. ratings: See page 4

### Optional accessories, factory modifications

Accessory	Volts	Suffix number	List price	Accessory	Total contacts	Suffix number	List price
Shunt trip	240V AC	F2	\$232	Auxiliary switch	1 Form C	W	\$95
	208V AC	FB	232	Double auxiliary switch	2 Form C	V	190
	120V AC	F1	232				
	60V AC	F6	232	Alarm switch	1 Form C	K	95
	48V AC	F7	232	Auxiliary and alarm switch	2 Form C	WK	190
	24V AC	F8	232				
	250V DC	FG	232				
	125V DC	FJ	232				
	60V DC	FP	232				
	48V DC	FN	232				
Undervoltage release	24V DC	FM	232				
	12V DC	FQ	232				
	240V AC	R2	232				
	120V AC	R1	232				
	250V DC	RG	232				
	125V DC	RJ	232				
	48V DC	RN	232				
	24V DC	RM	232				

Note: BU-KDA circuit breakers can be modified in FUJI factory or UL recognized factories—customer's field modifications are not authorized.

Accessories, modifications: See page 41  
Accessories, ratings: See page 42

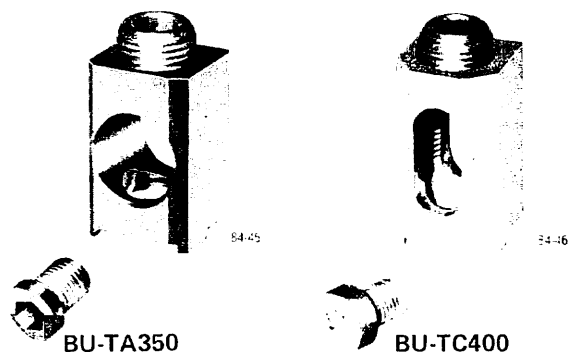
To order internal accessories add suffix number to breaker's Cat. No. in the table.

Example: BU-KDA3250LF2



**BU-KDA**  
**240V AC, 400A**

## Terminal connectors



Terminal connectors are recognized and CSA certified.  
Terminal data provides wire types and sizes suitable for use with  
BU-KDA FUJI circuit breakers.

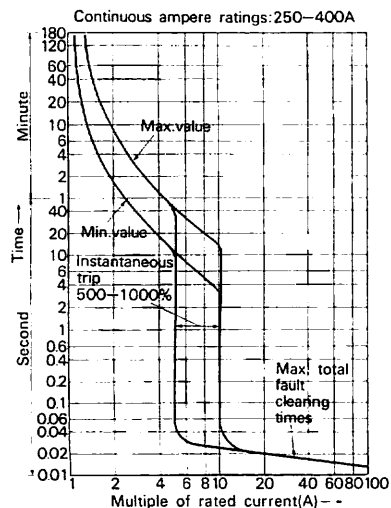
- To order extra terminal connectors specify Cat No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range ( ) No. of cable AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
250-350	Al/Cu	#3/0-500MCM	BU-TA350	<b>\$30</b> <b>(1 EA: \$10)</b>
400	Cu	(2) #3/0	BU-TC400	<b>45</b> <b>(1 EA: \$15)</b>

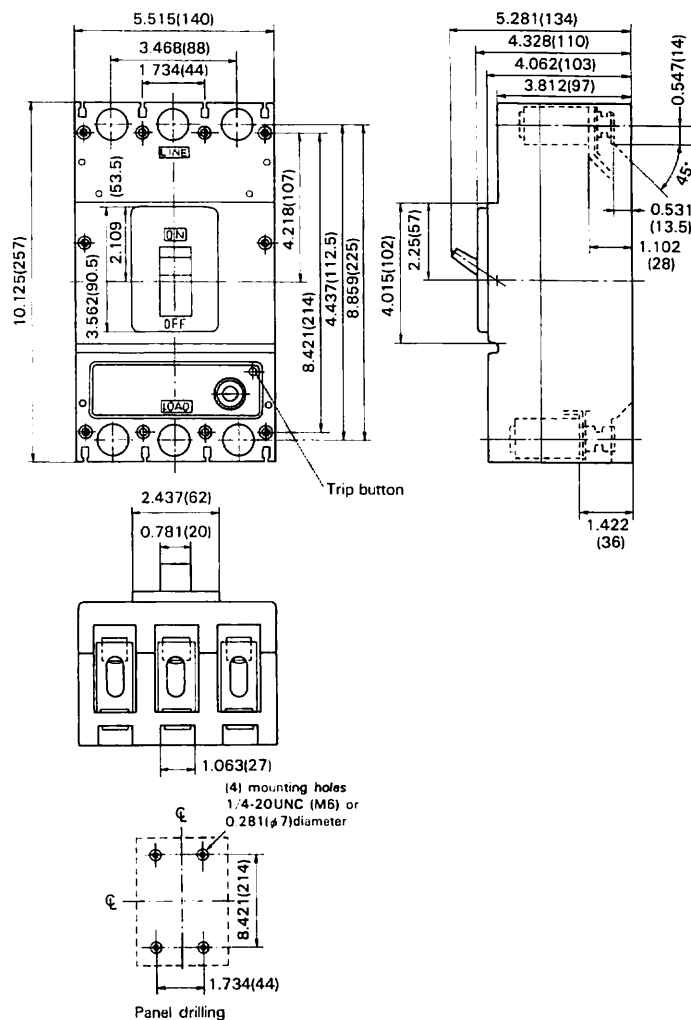
Instruction manual: IBU-22

### Characteristic curves

Ambient temperature: 40°C



### Dimensions, inch (mm)

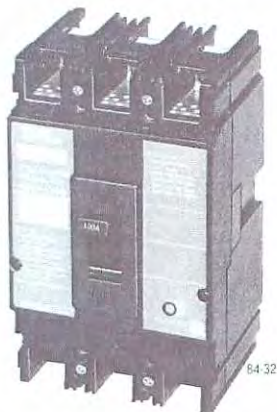


# BU-ESB

## 600V AC, 100A

Discontinued

Discontinued.



Thermal magnetic breaker

### Rated interrupting capacity

Breaker type		Volts	RMS, Sym amperes
UL	BU-ESB	2,3P 240V AC	22000
		480V AC	14000
		600V AC	14000
CSA	BU-ESB	2,3P 240V AC	22000
		480V AC	14000
		600V AC	14000

### Further information

Terminal connectors: See page 16

Handle mechanisms: See page 43

Terminals: See page 47

IEC I.C. ratings: See page 5

### List prices and catalog numbers

**Thermal magnetic breakers**  
**Line and load terminal connectors included**  
**For line terminal connectors: See page 16**

Continuous ampere ratings @ 40° C	2-Pole¹		3-Pole	
	600 Volts AC 50/60Hz		600 Volts AC 50/60Hz	
	Catalog number	List price	Catalog number	List price
15	BU-ESB2015L	\$184	BU-ESB3015L	\$237
20	BU-ESB2020L	\$184	BU-ESB3020L	\$237
25	BU-ESB2025L	\$184	BU-ESB3025L	\$237
30	BU-ESB2030L	\$184	BU-ESB3030L	\$237
35	BU-ESB2035L	\$184	BU-ESB3035L	\$237
40	BU-ESB2040L	\$184	BU-ESB3040L	\$237
45	BU-ESB2045L	\$184	BU-ESB3045L	\$237
50	BU-ESB2050L	\$184	BU-ESB3050L	\$237
60	BU-ESB2060L	\$184	BU-ESB3060L	\$237
70	BU-ESB2070L	\$236	BU-ESB3070L	\$281
80	BU-ESB2080L	\$236	BU-ESB3080L	\$281
90	BU-ESB2090L	\$236	BU-ESB3090L	\$281
100	BU-ESB2100L	\$236	BU-ESB3100L	\$281
Shipping Weights	4.4 lbs	2.0 kg	5.1 lbs	2.3 kg

Note: 1: 2-pole breakers are supplied in 3-pole frame without conductors for center pole.

### Optional accessories, factory modifications

Accessory	Volts	Suffix number	List price	Accessory	Total contacts	Suffix number	List price
Shunt trip	480V AC	F4	232	Auxiliary switch	1 Form C	W	\$95
	240V AC	F2	232	Double auxiliary switch	2 Form C	V	190
	208V AC	FB	232				
	120V AC	F1	232	Alarm switch	1 Form C	K	95
	60V AC	F6	232				
	48V AC	F7	232	Auxiliary and alarm switch	2 Form C	WK	190
	24V AC	F8	232				
	250V DC	FG	232				
	125V DC	FJ	232				
	60V DC	FP	232				
	48V DC	FN	232				
	24V DC	FM	232				
	12V DC	FQ	232				
Undervoltage release	480V AC	R4	232				
	240V AC	R2	232				
	120V AC	R1	232				
	250V DC	RG	232				
	125V DC	RJ	232				
	48V DC	RN	232				
	24V DC	RM	232				

Note: BU-ESB circuit breakers can be modified in FUJI factory or UL recognized factories — customer's field modifications are not authorized.

Accessories, modifications: See page 41

Accessories, ratings: See page 42

To order internal accessories add suffix number to breaker's Cat. No. in the table.

Example: BU-ESB3015XF4



# BU-ESB

## 600V AC, 100A

Discontinued

Discontinued.

## Terminal connectors



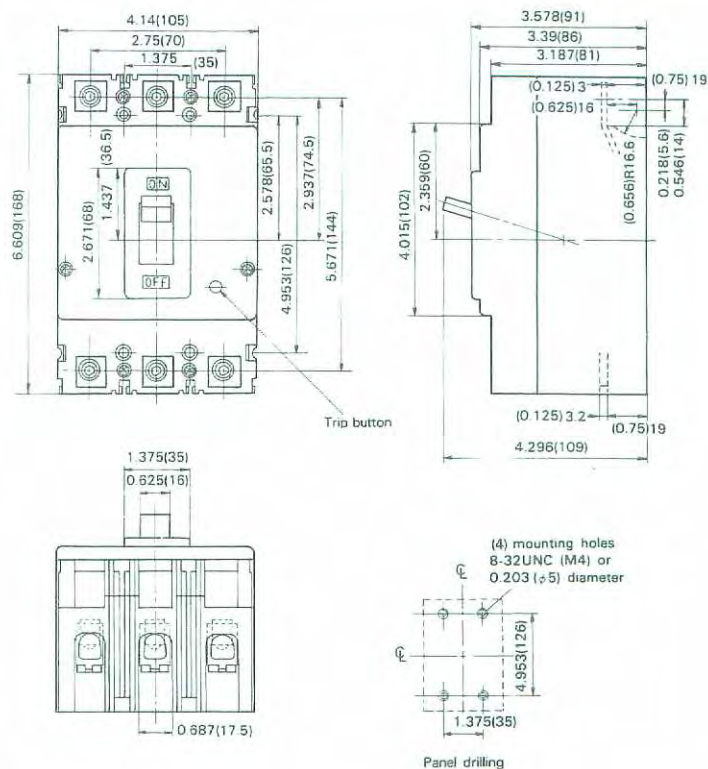
Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-ESB FUJI circuit breakers.

- When requiring extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
15-100	Al/Cu	#14-1/0	BU-TA100	\$6 (1 EA: \$2)

Instruction manual : IBU-18

## Dimensions, inch (mm)

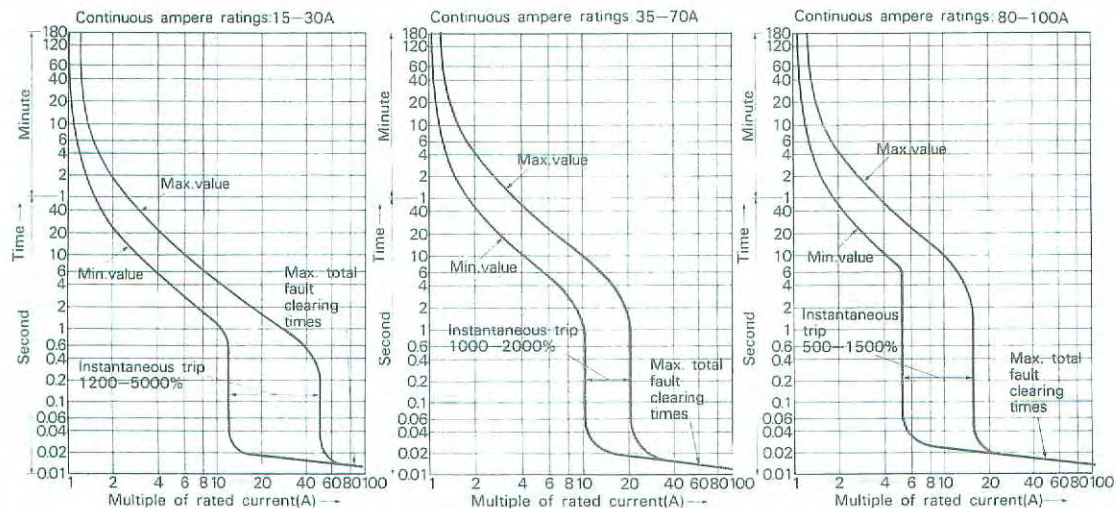


(4) mounting holes  
8-32UNC (M4) or  
0.203 (5) diameter

Panel drilling

## Characteristic curves

Ambient temperature: 40°C



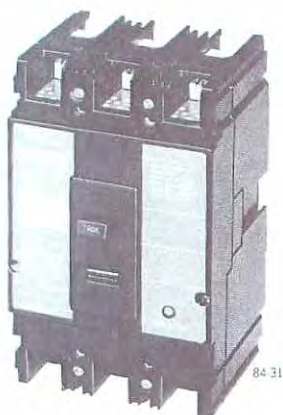


# BU-FSB

## 600V AC, 150A

Discontinued

Discontinued.



Thermal magnetic breaker

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-FSB	2,3P 240V AC 480V AC 600V AC	30000 22000 14000
CSA BU-FSB	2,3P 240V AC 480V AC 600V AC	22000 14000 14000

### Further information

Terminal connectors: See page 18

Handle mechanisms: See page 43

Terminals: See page 47

IEC I.C. ratings: See page 5

### List prices and catalog numbers

**Thermal magnetic breakers**  
**Line and load terminal connectors included**  
**For line terminal connectors: See page 18**

Continuous ampere ratings @ 40° C	2-Pole <sup>2</sup>		3-Pole	
	600 Volts AC 50/60Hz		600 Volts AC 50/60Hz	
	Catalog number	List price	Catalog number	List price
15	BU-FSB2015L	\$208	BU-FSB3015L	\$270
20	BU-FSB2020L	\$208	BU-FSB3020L	\$270
25	BU-FSB2025L	\$208	BU-FSB3025L	\$270
30	BU-FSB2030L	\$208	BU-FSB3030L	\$270
35	BU-FSB2035L	\$208	BU-FSB3035L	\$270
40	BU-FSB2040L	\$208	BU-FSB3040L	\$270
45	BU-FSB2045L	\$208	BU-FSB3045L	\$270
50	BU-FSB2050L	\$208	BU-FSB3050L	\$270
60	BU-FSB2060L	\$208	BU-FSB3060L	\$270
70	BU-FSB2070L	\$267	BU-FSB3070L	\$330
80	BU-FSB2080L	\$267	BU-FSB3080L	\$330
90	BU-FSB2090L	\$267	BU-FSB3090L	\$330
100	BU-FSB2100L	\$267	BU-FSB3100L	\$330
125	BU-FSB2125L	\$267	BU-FSB3125L	\$330
150	BU-FSB2150L	\$267	BU-FSB3150L	\$330
Shipping Weights		4.4 lbs 2.0 kg	5.1 lbs 2.3 kg	

Note: 2: 2-pole breakers are supplied in 3-pole frame without conductors for center pole.

### Optional accessories, factory modifications

Accessory	Volts	Suffix number	List price	Accessory	Total contacts	Suffix number	List price
Shunt trip	480V AC	F4	\$232	Auxiliary switch	1 Form C	W	\$95
	240V AC	F2	232	Double auxiliary switch	2 Form C	V	190
	208V AC	FB	232				
	120V AC	F1	232	Alarm switch	1 Form C	K	95
	60V AC	F6	232	Auxiliary and alarm switch	2 Form C	WK	190
	48V AC	F7	232				
	24V AC	F8	232				
	250V DC	FG	232				
	125V DC	FJ	232				
	60V DC	FP	232				
	48V DC	FN	232				
	24V DC	FM	232				
	12V DC	FQ	232				
Undervoltage release	480V AC	R4	232				
	240V AC	R2	232				
	120V AC	R1	232				
	250V DC	RG	232				
	125V DC	RJ	232				
	48V DC	RN	232				
	24V DC	RM	232				

Note: BU-FSB circuit breakers can be modified in FUJI factory or UL recognized factories — customer's field modifications are not authorized.

Accessories, modifications: See page 41  
 Accessories, ratings: See page 42

To order internal accessories add suffix number to breaker's Cat. No. in the table.  
 Example: BU-FSB3015XF4



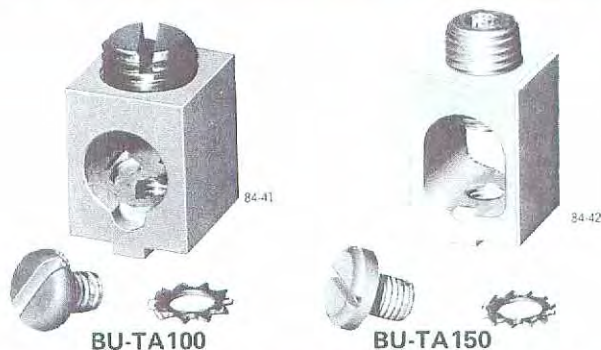
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# BU-FSB

## 600V AC, 150A

Discontinued

## Terminal connectors



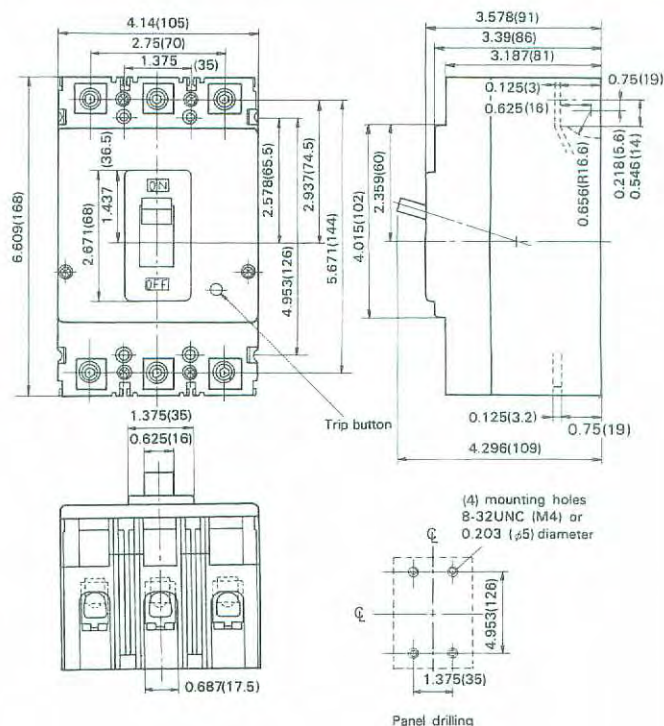
Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-FSB FUJI circuit breakers.

- When requiring extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
15-100	Al/Cu	#14-1/0	BU-TA100	\$6 (1 EA: \$2)
125-150	Al/Cu	#2-4/0	BU-TA150	6 (1 EA: \$2)

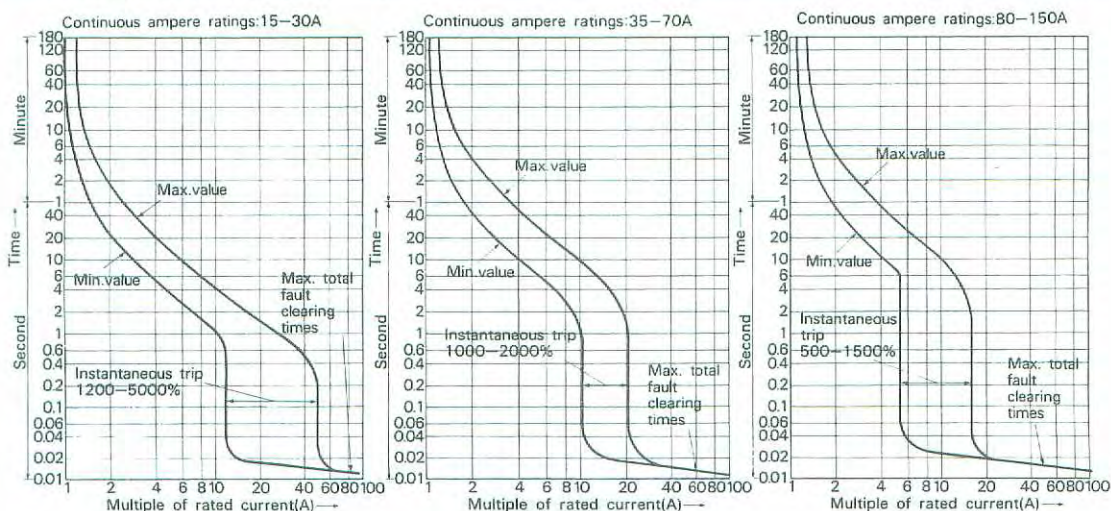
Instruction manual: IBU-19

## Dimensions, inch (mm)



## Characteristic curves

Ambient temperature: 40°C



# BU-JSB

## 600V AC, 250A



Thermal magnetic breaker  
Non-interchangeable trip

84-27

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-JSB	2,3P 240V AC	50000
	480V AC	30000
	600V AC	22000
	2P 250V DC	10000
	125/250V DC	10000
CSA BU-JSB	2,3P 240V AC	50000
	480V AC	30000
	600V AC	22000

### Further information

Terminal connectors: See page 20

Handle mechanisms: See page 43

Terminals: See page 47

IEC I.C. ratings: See page 5

### List prices and catalog numbers

#### Thermal magnetic breakers Non-interchangeable trip type 2-pole, 600 Volts AC, 250 Volts DC<sup>①</sup>

Continuous ampere ratings @40°C	Magnetic trip setting amperes <sup>②</sup>		Includes terminal connectors <sup>③</sup>		Without terminal connectors	
	Low	High	Catalog number	List price	Catalog number	List price
70	625	1250	BU-JSB2070L	\$573	BU-JSB2070	\$533
90	625	1250	BU-JSB2090L	573	BU-JSB2090	533
100	625	1250	BU-JSB2100L	573	BU-JSB2100	533
125	625	1250	BU-JSB2125L	573	BU-JSB2125	533
150	750	1500	BU-JSB2150L	573	BU-JSB2150	533
175	875	1750	BU-JSB2175L	573	BU-JSB2175	533
200	1000	2000	BU-JSB2200L	573	BU-JSB2200	533
225	1125	2250	BU-JSB2225L	573	BU-JSB2225	533
250	1250	2500	BU-JSB2250L	990	BU-JSB2250	950
Shipping weights			11.0 lbs	5.0 kg	10.6 lbs	4.8 kg

#### 3-Pole, 600 Volts AC

70	625	1250	BU-JSB3070L	\$718	BU-JSB3070	\$658
90	625	1250	BU-JSB3090L	718	BU-JSB3090	658
100	625	1250	BU-JSB3100L	718	BU-JSB3100	658
125	625	1250	BU-JSB3125L	718	BU-JSB3125	658
150	750	1500	BU-JSB3150L	718	BU-JSB3150	658
175	875	1750	BU-JSB3175L	718	BU-JSB3175	658
200	1000	2000	BU-JSB3200L	718	BU-JSB3200	658
225	1125	2250	BU-JSB3225L	718	BU-JSB3225	658
250	1250	2500	BU-JSB3250L	1199	BU-JSB3250	1139
Shipping weights			12.6 lbs	5.7 kg	11.9 lbs	5.4 kg

Notes:

①: 2-pole breakers are supplied in 3-pole frame without conductors for center pole.

②: Trip settings are set on high side and can be adjusted to lower limits.

③: Breaker frame and terminal connectors are shipped in same package but they are not assembled.

### Optional accessories, factory modifications

Accessory	Volts	Suffix number	List price
Shunt trip	480V AC	F4	\$232
	240V AC	F2	232
	208V AC	FB	232
	120V AC	F1	232
	60V AC	F6	232
	48V AC	F7	232
	24V AC	F8	232
	250V DC	FG	232
	125V DC	FJ	232
	60V DC	FP	232
	48V DC	FN	232
	24V DC	FM	232
	12V DC	FQ	232

Accessory	Volts	Suffix number	List price
Undervoltage release	480V AC	R4	\$232
	240V AC	R2	232
	120V AC	R1	232
	250V DC	RG	232
	125V DC	RJ	232
	48V DC	RN	232
	24V DC	RM	232

Note: BU-JSB circuit breakers can be modified in FUJI factory or UL recognized factories — customer's field modifications are not authorized.

Accessories, modifications: See page 41

Accessories, ratings: See page 42

Accessory	Total contacts	Suffix number	List price
Auxiliary switch	1 Form C	W	\$95
Double auxiliary switch	2 Form C	V	190
Alarm switch	1 Form C	K	95
Auxiliary and alarm switch	2 Form C	WK	190

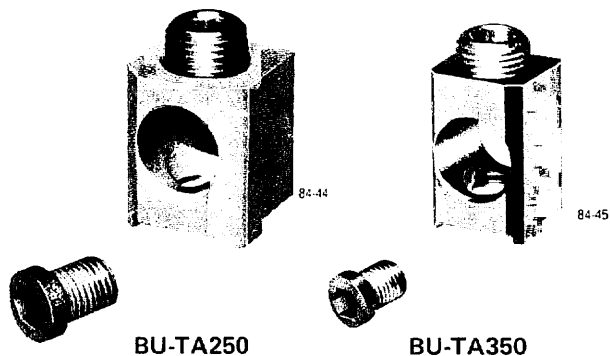
To order internal accessories add suffix number to breaker's Cat. No. in the table.

Example: BU-JSB3070LF4



**BU-JSB**  
**600V AC, 250A**

## Terminal connectors



BU-TA250

BU-TA350

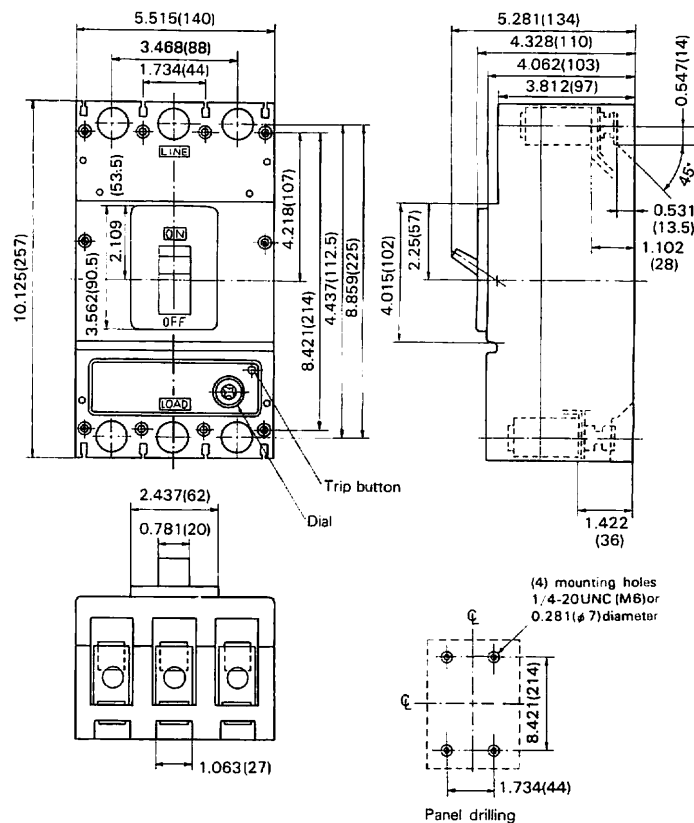
Terminal connectors are UL recognized and CSA certified.  
Terminal data provides wire types and sizes suitable for use with  
BU-JSB FUJI circuit breakers.

- To order extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
70-200	Al/Cu	#4-250MCM	BU-TA250	<b>\$30</b> <b>(1 EA: \$10)</b>
225, 250	Al/Cu	#3/0-500MCM	BU-TA350	<b>30</b> <b>(1 EA: \$10)</b>

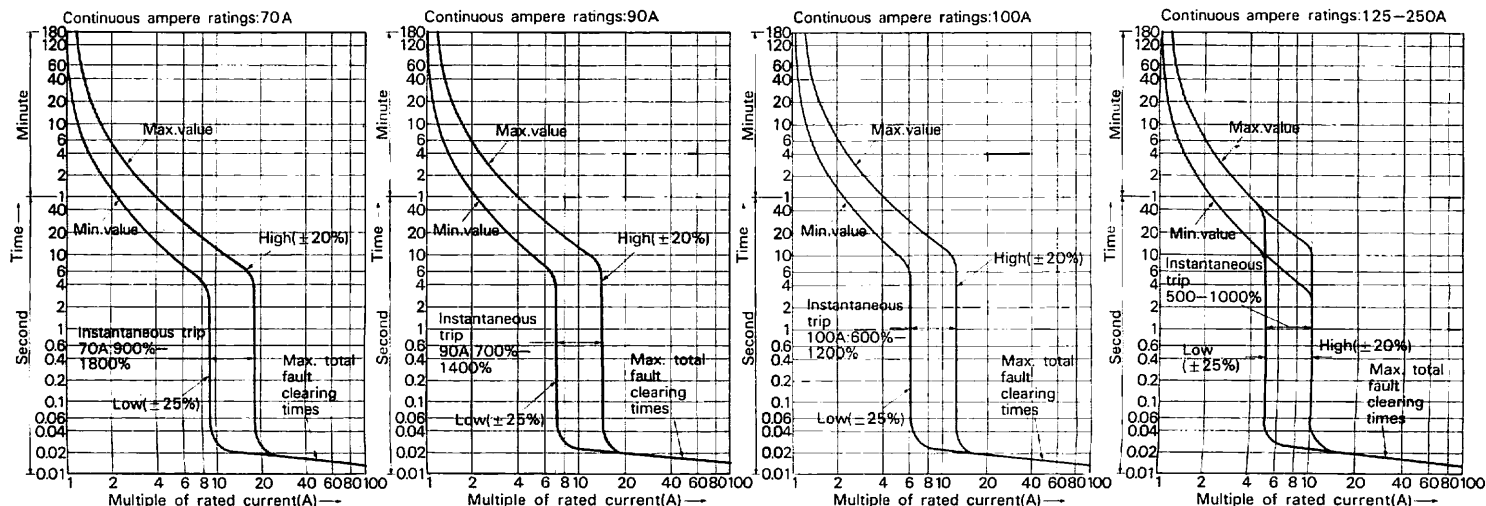
Instruction manual: I BU-21

### Dimensions, inch (mm)



### Characteristic curves

Ambient temperature: 40°C



# BU-KSB

## 600V AC, 400A



Thermal magnetic breaker  
Non-interchangeable trip type

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-KSB	2,3P 240V AC	50000
	480V AC	30000
	600V AC	22000
	2P 250V DC	10000
	125/250V DC	10000
CSA BU-KSB	2,3P 240V AC	50000
	480V AC	30000
	600V AC	22000

### Further information

Terminal connectors: See page 22  
Handle mechanisms: See page 43  
Terminals: See page 47  
IEC I.C. ratings: See page 6

### Optional accessories, factory modifications

Accessory	Volts	Suffix number	List price
Shunt trip	480V AC	F4	\$232
	240V AC	F2	232
	208V AC	FB	232
	120V AC	F1	232
	60V AC	F6	232
	48V AC	F7	232
	24V AC	F8	232
	250V DC	FG	232
	125V DC	FJ	232
	60V DC	FP	232
	48V DC	FN	232
	24V DC	FM	232
	12V DC	FQ	232

Accessory	Volts	Suffix number	List price
Undervoltage release	480V AC	R4	\$232
	240V AC	R2	232
	120V AC	R1	232
	250V DC	RG	232
	125V DC	RJ	232
	48V DC	RN	232
	24V DC	RM	232

Note: BU-KSB circuit breakers can be modified in FUJI factory or UL recognized factories — customer's field modifications are not authorized.

Accessories, modifications: See page 41

Accessory	Total contacts	Suffix number	List price
Auxiliary switch	1 Form C	W	\$95
Double auxiliary switch	2 Form C	V	190
Alarm switch	1 Form C	K	95
Auxiliary and alarm switch	2 Form C	WK	190

Accessories, ratings: See page 42

To order internal accessories add suffix number to breaker's Cat. No. in the table.

Example: BU-KSB3125LF4

### List prices and catalog numbers

#### Terminal magnetic breakers Non-interchangeable trip type

Continuous ampere ratings @40°C	Magnetic trip setting amperes <sup>②</sup>		Includes terminal connectors <sup>⑧</sup>		Without terminal connectors	
	Low	High	Catalog number	List price	Catalog number	List price
<b>2-Pole, 600 Volts AC, 250 Volts DC<sup>①</sup></b>						
125	625 - 1250		BU-KSB2125L	<b>\$1076</b>	BU-KSB2125	<b>\$1036</b>
150	750 - 1500		BU-KSB2150L	<b>1076</b>	BU-KSB2150	<b>1036</b>
175	875 - 1750		BU-KSB2175L	<b>1076</b>	BU-KSB2175	<b>1036</b>
200	1000 - 2000		BU-KSB2200L	<b>1076</b>	BU-KSB2200	<b>1036</b>
225	1125 - 2250		BU-KSB2225L	<b>1076</b>	BU-KSB2225	<b>1036</b>
250	1250 - 2500		BU-KSB2250L	<b>1076</b>	BU-KSB2250	<b>1036</b>
300	1500 - 3000		BU-KSB2300L	<b>1076</b>	BU-KSB2300	<b>1036</b>
350	1750 - 3500		BU-KSB2350L	<b>1076</b>	BU-KSB2350	<b>1036</b>
400	2000 - 4000		BU-KSB2400L	<b>1096</b>	BU-KSB2400	<b>1036</b>
Shipping weights			12.6 lbs	5.7 kg	10.6 lbs	4.8 kg

Notes:

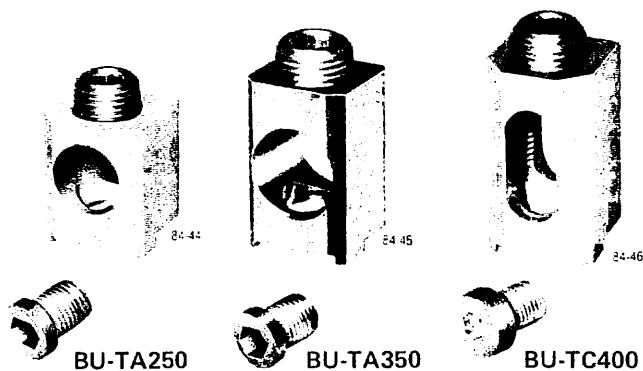
- ①: 2-pole breakers are supplied in 3-pole frame without conductors for center pole.  
②: Trip settings are set on high side and can be adjusted to lower limits.

- ③: Breaker frame and terminal connectors are shipped in same package but they are not assembled.

# BU-KSB

## 600V AC, 400A

### Terminal connectors



Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-KSB FUJI circuit breakers.

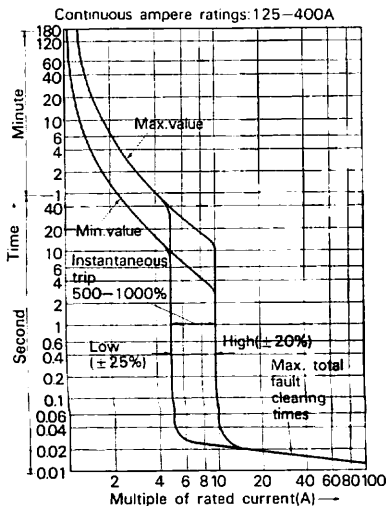
- To order extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range ( ) No. of cable AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
125-200	Al/Cu	#4-250MCM	BU-TA250	\$30 (1 EA: \$10)
225-350	Al/Cu	#3/0-500MCM	BU-TA350	30 (1 EA: \$10)
400	Cu	(2) #3/0 5X	BU-TC400	45 (1 EA: \$15)

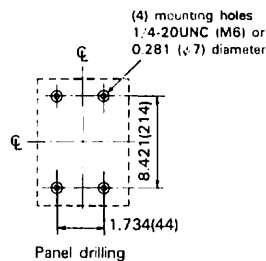
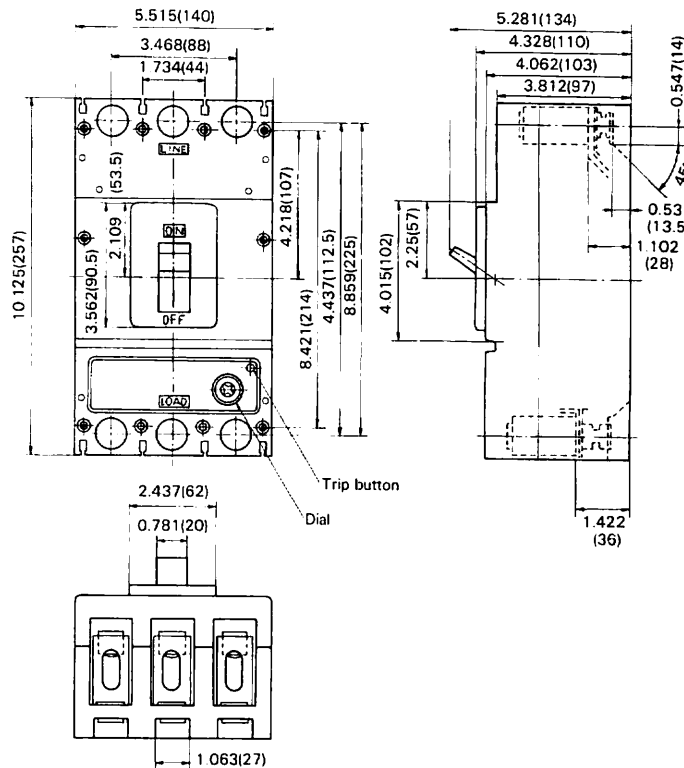
Instruction manual: IBU-22

### Characteristic curves

Ambient temperature: 40°C



### Dimensions, inch (mm)

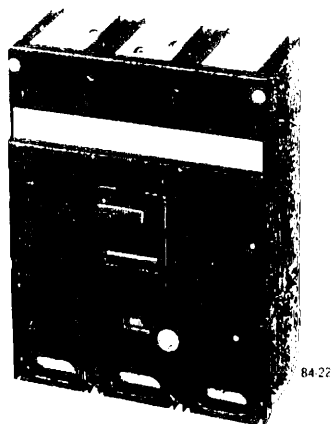


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UL Table 6.1.4.2.1 terminal 仕様



# BU-LSB

## 600V AC, 600A



Thermal magnetic breaker  
Interchangeable trip type

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-LSB	2,3P 240V AC	50000
	480V AC	30000
	600V AC	22000
	2P 250V DC	10000
	125/250V DC	10000
CSA BU-LSB	2,3P 240V AC	50000
	480V AC	30000
	600V AC	22000

### List prices and catalog numbers

#### Thermal magnetic breakers Interchangeable trip type

Continuous ampere ratings @40°C	Magnetic trip setting amperes <sup>②</sup>	Complete breakers <sup>①</sup>		Frame only		Trip unit only	
		Includes terminal connectors and trip unit		Without terminals and trip unit		Without frame and terminals	
	Low High	Catalog number	List price	Catalog number	List price	Catalog number	List price
<b>2-Pole, 600 Volts AC, 250 Volts DC<sup>①</sup></b>							
250	1250-2500	BU-LSB2250L	\$1728	BU-LSB2F600	\$1111	BU-LHB2T250	\$561
300	1500-3000	BU-LSB2300L	1728	BU-LSB2F600	1111	BU-LHB2T300	561
350	1750-3500	BU-LSB2350L	1728	BU-LSB2F600	1111	BU-LHB2T350	561
400	2000-4000	BU-LSB2400L	1728	BU-LSB2F600	1111	BU-LHB2T400	561
500	2500-5000	BU-LSB2500L	1728	BU-LSB2F600	1111	BU-LHB2T500	561
600	3000-6000	BU-LSB2600L	1728	BU-LSB2F600	1111	BU-LHB2T600	561
Shipping weights		18.5 lbs	8.4 kg	13.7 lbs	6.2 kg	2.2 lbs	1.0 kg
<b>3-Pole, 600 Volts AC</b>							
250	1250-2500	BU-LSB3250L	\$2184	BU-LSB3F600	\$1363	BU-LHB3T250	\$737
300	1500-3000	BU-LSB3300L	2184	BU-LSB3F600	1363	BU-LHB3T300	737
350	1750-3500	BU-LSB3350L	2184	BU-LSB3F600	1363	BU-LHB3T350	737
400	2000-4000	BU-LSB3400L	2184	BU-LSB3F600	1363	BU-LHB3T400	737
500	2500-5000	BU-LSB3500L	2184	BU-LSB3F600	1363	BU-LHB3T500	737
600	3000-6000	BU-LSB3600L	2184	BU-LSB3F600	1363	BU-LHB3T600	737
Shipping weights		20.9 lbs	9.5 kg	15.2 lbs	6.9 kg	2.6 lbs	1.2 kg

### Further information

Terminal connectors: See page 24  
Handle mechanisms: See page 43  
Terminals: See page 47  
IEC I.C. ratings: See page 6

#### Notes:

- ① : 2-pole breakers are supplied in 3-pole frame without conductors for center pole.
- ② : Trip settings are set on high side and can be adjusted to lower limits.
- ③ : Complete breaker consists of frame, terminal connectors and trip unit. Terminals and trip unit are shipped separately.

### Optional accessories, factory or field modifications

Accessory	Volts	Catalog number UL Listed		List price	Accessory	Volts	Catalog number UL Listed		List price	Accessory	Total contacts	Catalog number UL Listed		List price	
		Cat. No.	Suffix No.				Cat. No.	Suffix No.				Cat. No.	Suffix No.		
Shunt trip	480V AC	BU-FLH480A	F4	\$232	Under-voltage release	480V AC	BU-RLH480A	R4	\$232	Auxiliary switch	1 Form C	BU-WLH	W	\$95	
	240V AC	BU-FLH240A	F2	232		240V AC	BU-RLH240A	R2	232		2 Form C	BU-VLH	V	190	
	208V AC	BU-FLH208A	FB	232		120V AC	BU-RLH120A	R1	232	Alarm switch	1 Form C	BU-KLH	K	95	
	120V AC	BU-FLH120A	F1	232		250V DC	BU-RLH250D	RG	232		Auxiliary and alarm switch	2 Form C	BU-WKLH	WK	190
	60V AC	BU-FLH60A	F6	232		125V DC	BU-RLH125D	RJ	232	Double auxiliary and alarm switch		3 Form C	BU-VKLH	VK	285
	48V AC	BU-FLH48A	F7	232		48V DC	BU-RLH48D	RN	232			To order internal accessories factory assembled			
	24V AC	BU-FLH24A	F8	232		24V DC	BU-RLH24D	RM	232						
	250V DC	BU-FLH250D	FG	232	Note: BU-LSB circuit breakers can be modified in FUJI factory or UL recognized factories – customer's field modifications are not authorized.										
	125V DC	BU-FLH125D	FJ	232											
	60V DC	BU-FLH60D	FP	232											
	48V DC	BU-FLH48D	FN	232											
24V DC	BU-FLH24D	FM	232												
	12V DC	BU-FLH12D	FQ	232											

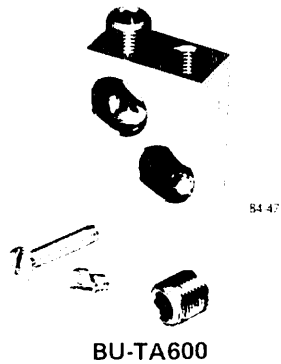
Accessories, modifications: See page 41  
Accessories, ratings: See page 42

To order internal accessories factory assembled add suffix number to breaker's Cat. No. in the table.  
Example: BU-LSB3250LF4  
When requiring accessories kit order by Cat. No. given in the table.

# BU-LSB

## 600V AC, 600A

### Terminal connectors



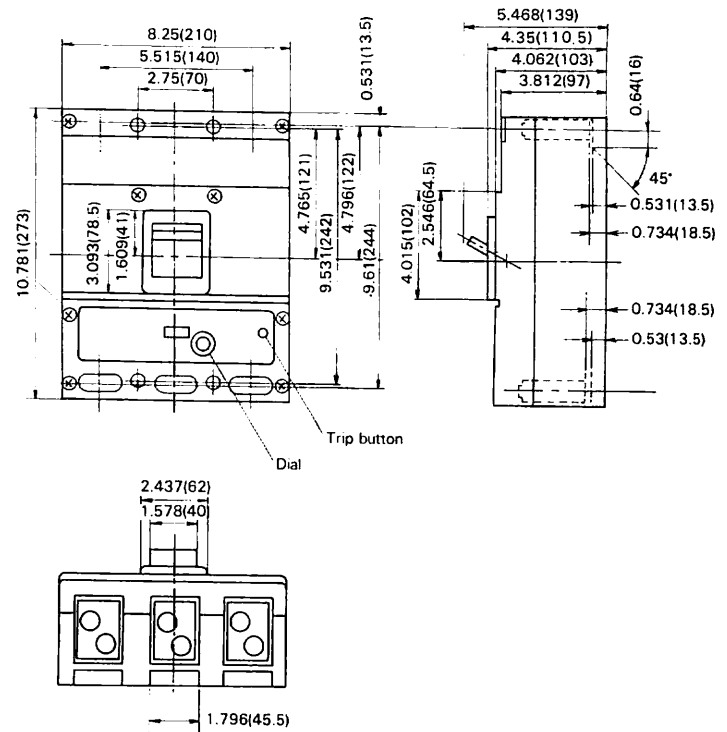
Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-LSB FUJI circuit breakers.

- To order extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range ( ) No. of cable AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
250-600	Al/Cu	(2) 250-500MCM	BU-TA600	\$42 (1 EA: \$14)

Instruction manual: IBU-23

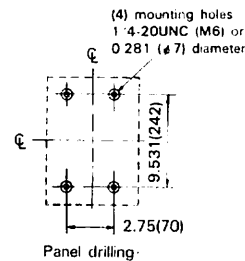
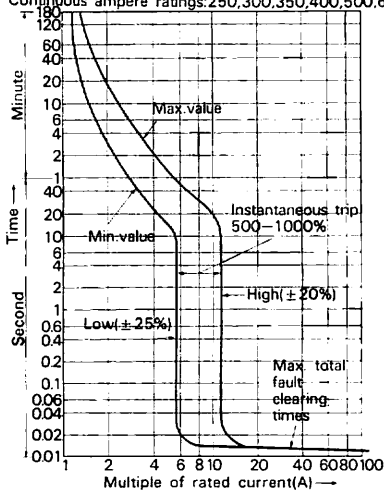
### Dimensions, inch (mm)



### Characteristic curves

Ambient temperature: 40°C

Continuous ampere ratings: 250, 300, 350, 400, 500, 600A



# BU-MSB

## 600V AC, 800A



Thermal magnetic breaker  
Interchangeable trip type

### List prices and catalog numbers

#### Thermal magnetic breakers Interchangeable trip type

Continuous ampere ratings @40°C	Magnetic trip setting amperes <sup>②</sup>		Complete breakers <sup>③</sup>		Frame only		Trip unit only	
			Includes terminal connectors		Without terminals and trip unit		Without frame and terminals	
	Low	High	Catalog number	List price	Catalog number	List price	Catalog number	List price
<b>2-Pole, 600 Volts AC<sup>①</sup></b>								
600	1800—3600		BU-MSB2600L	\$2243	BU-MSB2F800	\$1150	BU-MHB2T600	\$973
700	2100—4200		BU-MSB2700L	2243	BU-MSB2F800	1150	BU-MHB2T700	973
800	2400—4800		BU-MSB2800L	2283	BU-MSB2F800	1150	BU-MHB2T800	973
Shipping weights			32.8 lbs	14.9 kg	22.9 lbs	10.4 kg	3.3 lbs	1.5 kg
<b>3-Pole, 600 Volts AC</b>								
600	1800—3600		BU-MSB3600L	\$2886	BU-MSB3F800	\$1460	BU-MHB3T600	\$1246
700	2100—4200		BU-MSB3700L	2886	BU-MSB3F800	1460	BU-MHB3T700	1246
800	2400—4800		BU-MSB3800L	2946	BU-MSB3F800	1460	BU-MHB3T800	1246
Shipping weights			40.8 lbs	18.5 kg	27.8 lbs	12.6 kg	4.2 lbs	1.9 kg

#### Notes:

- ①: 2-pole breakers are supplied in 3-pole frame without conductors for center pole.  
②: Trip settings are set on high side and can be adjusted to lower limits.

- ③: Complete breaker consists of frame, terminal connectors and trip unit. Terminals and trip unit are shipped separately.

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-MSB	2,3P 240V AC 480V AC 600V AC	50000 30000 22000
CSA BU-MSB	2,3P 240V AC 480V AC 600V AC	50000 30000 22000

### Optional accessories, factory modifications

Access- sory	Volts	Catalog number UL Listed		List price	Accessory	Total contacts	Catalog number UL Listed		List price
		Cat. No.	Suffix No.				Cat. No.	Suffix No.	
Shunt trip	480V AC	BU-FNH480A	F4	\$232	Auxiliary switch	1 Form C	BU-WNH	W	\$95
	240V AC	BU-FNH240A	F2	232		2 Form C	BU-VNH	V	190
	208V AC	BU-FNH208A	F8	232	Alarm switch	1 Form C	BU-KNH	K	95
	120V AC	BU-FNH120A	F1	232		2 Form C	BU-WKNH	WK	190
	60V AC	BU-FNH60A	F6	232	Auxiliary and alarm switch	3 Form C	BU-VKNH	VK	285
	48V AC	BU-FNH48A	F7	232					
	24V AC	BU-FNH24A	F8	232	Double auxiliary and alarm switch				
	250V DC	BU-FNH250D	FG	232					
	125V DC	BU-FNH125D	FJ	232					
	60V DC	BU-FNH60D	FP	232					
	48V DC	BU-FNH48D	FN	232					
	24V DC	BU-FNH24D	FM	232					
Under- voltage release	12V DC	BU-FNH12D	FQ	232					
	480V AC	BU-RNH480A	R4	\$232	Note: BU-MSB circuit breakers can be modified in FUJI factory or UL recognized factories - customer's field modifications are not authorized.				
	240V AC	BU-RNH240A	R2	232					
	120V AC	BU-RNH120A	R1	232					
	250V DC	BU-RNH250D	RG	232					
	125V DC	BU-RNH125D	RJ	232					
	48V DC	BU-RNH48D	RN	232					
	24V DC	BU-RNH24D	RM	232					
	12V DC	BU-RNH12D	RQ	232					

### Further information

Terminal connectors: See page 26  
Handle mechanisms: See page 43  
Terminals: See page 47  
IEC I.C. ratings: See page 6

Note: BU-MSB circuit breakers can be modified in FUJI factory or UL recognized factories - customer's field modifications are not authorized.

Accessories, modifications: See page 41  
Accessories, ratings: See page 42

To order internal accessories factory assembled add suffix number to breaker's Cat. No. in the table.

Example: BU-MSB3600LF4

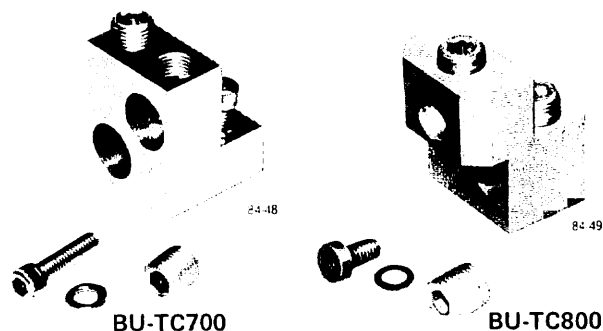
When requiring accessories kit order by Cat. No. given in the table.



# BU-MSB

## 600V AC, 800A

### Terminal connectors



Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-MSB FUJI circuit breakers.

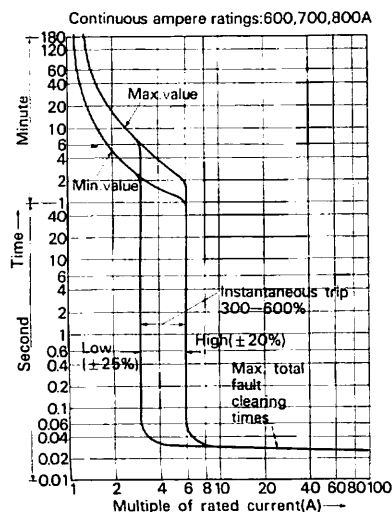
- To order extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range ( ) No. of cable AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
600,700	Cu	(2) 250-500MCM	BU-TC700	\$90 (1 EA: \$30)
800	Cu	(3) #3/0-300MCM	BU-TC800	120 (1 EA: \$40)

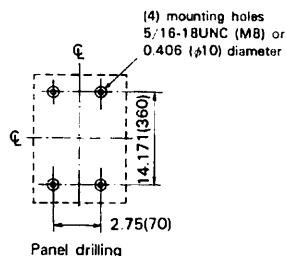
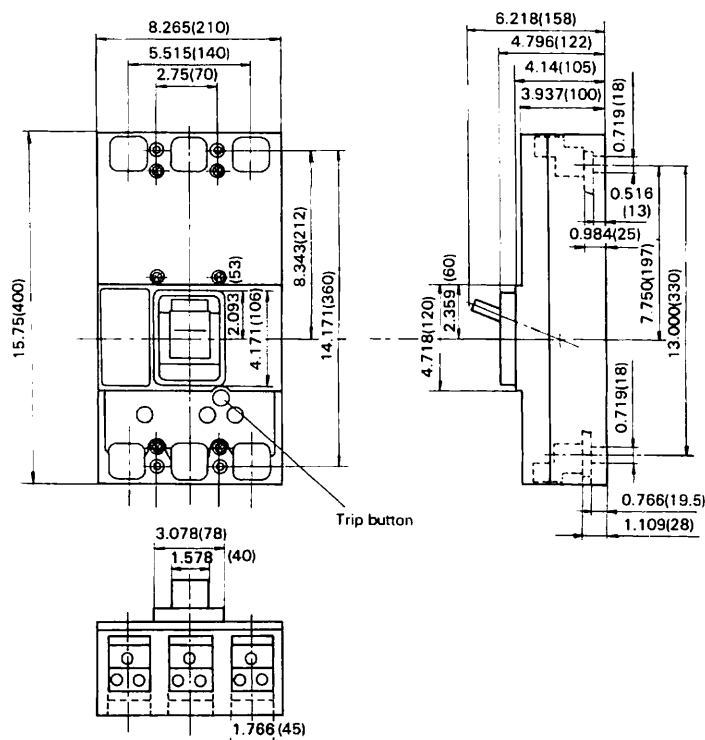
Instruction manual: IBU-24

### Characteristic curves

Ambient temperature: 40°C

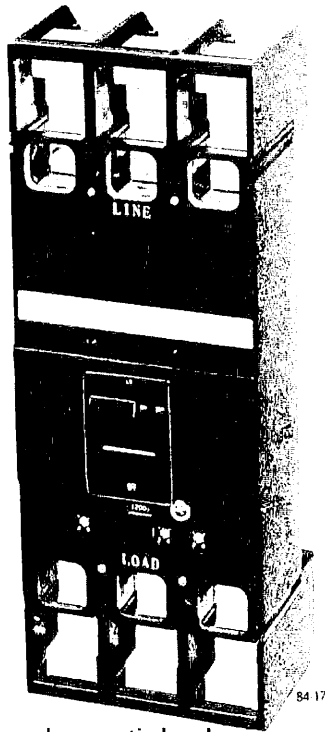


### Dimensions, inch (mm)



# BU-NSB

## 600V AC, 1200A



Thermal magnetic breaker  
Interchangeable trip type

### List prices and catalog numbers

#### Thermal magnetic breakers Interchangeable trip type

Continuous ampere ratings @40 °C	Magnetic trip setting amperes ②		Complete breakers ③		Frame only		Trip unit only	
			Includes terminal connectors		Without terminals and trip unit		Without frame and terminal	
	Low	High	Catalog number	List price	Catalog number	List price	Catalog number	List price
2-Pole, 600 Volts AC ①								
1000 1200	3000—6000 3600—7200		BU-NSB2100L \$3470 BU-NSB2120L 4520		BU-NSB2F120 \$1830 BU-NSB2F120 1830		BU-NHB2T100 \$1400 BU-NHB2T120 2450	
Shipping weights			47.8 lbs	21.7 kg	28.4 lbs	12.9 kg	3.5 lbs	1.6 kg
3-Pole, 600 Volts AC								
1000 1200	3000—6000 3600—7200		BU-NSB3100L \$3960 BU-NSB3120L 5110		BU-NSB3F120 \$2050 BU-NSB3F120 2050		BU-NHB3T100 \$1550 BU-NHB3T120 2700	
Shipping weights			60.6 lbs	27.5 kg	33.3 lbs	15.1 kg	4.4 lbs	2.0 kg

#### Notes:

- ①: 2-pole breakers are supplied in 3-pole frame without conductors for center pole.  
②: Trip settings are set on high side and can be adjusted to lower limits.

- ③: Complete breaker consists of frame, terminal connectors and trip unit. Terminals and trip unit are shipped separately.

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UI BU-NSB	2,3P 240V AC 480V AC 600V AC	50000 30000 22000
CSA BU-NSB	2,3P 240V AC 480V AC 600V AC	50000 30000 22000

### Further information

Terminal connectors: See page 28  
Handle mechanisms: See page 43  
Terminals: See page 47  
IEC I.C. ratings: See page 6

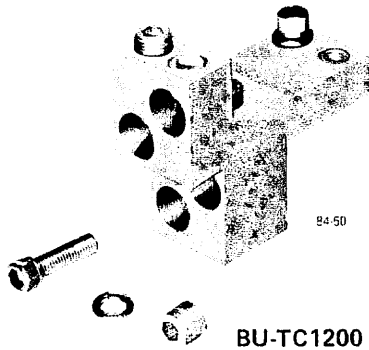
### Optional accessories, factory modifications

Access- sory	Volts	Catalog number UL Listed		List price	Accessory <sup>1</sup> Total contacts	Catalog number UL Listed		List price
		Cat. No.	Suffix No.			Cat. No.	Suffix No.	
Shunt trip	480V AC	BU-FNH480A	F4	\$232	Auxiliary switch	1 Form C	BU-WNH	W \$95
	240V AC	BU-FNH240A	F2	232		2 Form C	BU-VNH	V 190
	208V AC	BU-FNH208A	FB	232	Alarm switch	1 Form C	BU-KNH	K 95
	120V AC	BU-FNH120A	F1	232		2 Form C	BU-WKNH	WK 190
	60V AC	BU-FNH60A	F6	232	Double auxiliary and alarm switch	3 Form C	BU-VKNH	VK 285
	48V AC	BU-FNH48A	F7	232				
	24V AC	BU-FNH24A	F8	232				
	250V DC	BU-FNH250D	FG	232				
	125V DC	BU-FNH125D	FJ	232				
	60V DC	BU-FNH60D	FP	232				
	48V DC	BU-FNH48D	FN	232				
	24V DC	BU-FNH24D	FM	232				
	12V DC	BU-FNH12D	FQ	232				
Under- voltage release	480V AC	BU-RNH480A	R4	232	Note: BU-NSB circuit breakers can be modified in FUJI factory or UL recognized factories – customer's field modifications are not authorized.  Accessories, modifications: See page 41 Accessories, ratings: See page 42  To order internal accessories factory assembled add suffix number to breaker's Cat. No. in the table. Example: <b>BU-NSB3600LF4</b> When requiring accessories kit order by Cat. No. given in the table.			
	240V AC	BU-RNH240A	R2	232				
	120V AC	BU-RNH120A	R1	232				
	250V DC	BU-RNH250D	RG	232				
	125V DC	BU-RNH125D	RJ	232				
	48V DC	BU-RNH48D	RN	232				
	24V DC	BU-RNH24D	RM	232				
	12V DC	BU-RNH12D	RQ	232				

# BU-NSB

## 600V AC, 1200A

### Terminal connectors



Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-NSB FUJI circuit breakers.

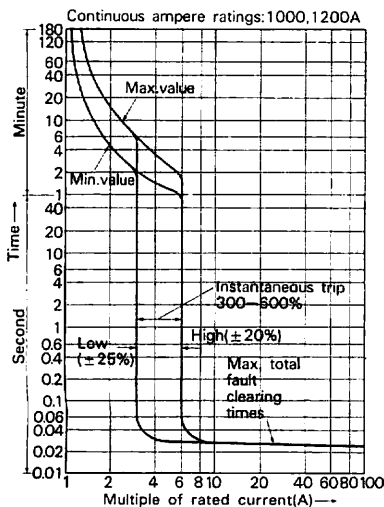
●To order extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range ( ) No. of cable AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
1000, 1200	Cu	(4) #3/0-400MCM	BU-TC1200	\$180 (1 EA: \$60)

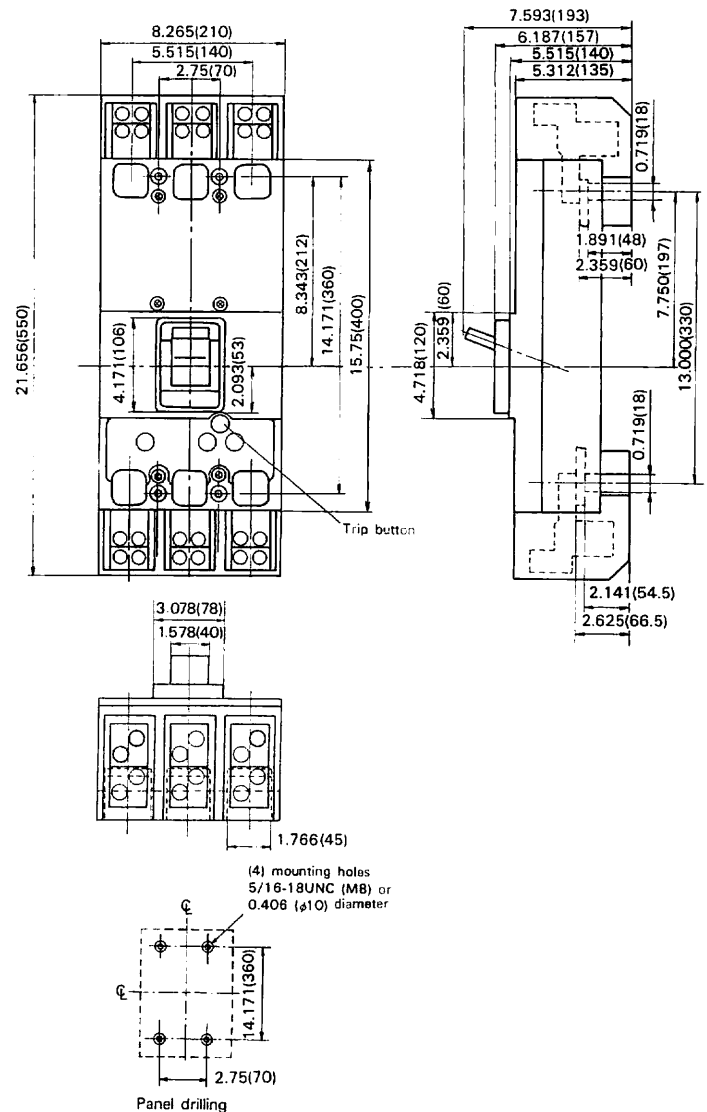
Instruction manual: 1BU-25

### Characteristic curves

Ambient temperature: 40°C



### Dimensions, inch (mm)

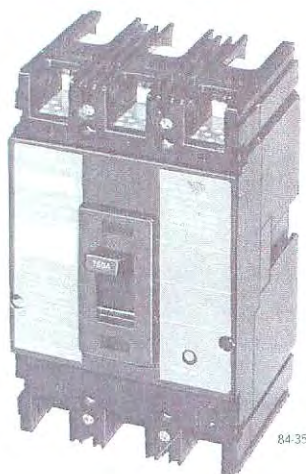


# BU-FHB

## 600V AC, 150A

Discontinued

Discontinued



Thermal magnetic breaker

## List prices and catalog numbers

Thermal magnetic breakers

Load terminal connectors included

For line terminal connectors: See page 30

Continuous ampere ratings @ 40° C	2-Pole <sup>1</sup>		3-Pole	
	600 Volts AC 50/60Hz 125 Volts DC		600 Volts AC 50/60Hz	
	Catalog number	List price	Catalog number	List price
15	BU-FHB2015L	\$338	BU-FHB3015L	\$400
20	BU-FHB2020L	\$338	BU-FHB3020L	\$400
25	BU-FHB2025L	\$338	BU-FHB3025L	\$400
30	BU-FHB2030L	\$338	BU-FHB3030L	\$400
35	BU-FHB2035L	\$338	BU-FHB3035L	\$400
40	BU-FHB2040L	\$338	BU-FHB3040L	\$400
45	BU-FHB2045L	\$338	BU-FHB3045L	\$400
50	BU-FHB2050L	\$338	BU-FHB3050L	\$400
60	BU-FHB2060L	\$338	BU-FHB3060L	\$400
70	BU-FHB2070L	\$394	BU-FHB3070L	\$450
80	BU-FHB2080L	\$394	BU-FHB3080L	\$450
90	BU-FHB2090L	\$394	BU-FHB3090L	\$450
100	BU-FHB2100L	\$394	BU-FHB3100L	\$450
125	BU-FHB2125L	\$881	BU-FHB3125L	\$1016
150	BU-FHB2150L	\$881	BU-FHB3150L	\$1016
Shipping Weights	4.4 lbs	2.0 kg	5.1 lbs	2.3 kg

Note: 1: 2-pole breakers are supplied in 3-pole frame without conductors for center pole.

## Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-FHB	2,3P 240V AC	65000
	480V AC	25000
	600V AC	18000
	2P 125/250V DC	10000
CSA BU-FHB	2,3P 240V AC	65000
	480V AC	25000
	600V AC	18000

## Further information

Terminal connectors: See page 30

Handle mechanisms: See page 43

Terminals: See page 47

IEC I.C. ratings: See page 7

## Optional accessories, factory modifications

Accessory	Volts	Suffix number	List price	Accessory	Total contacts	Suffix number	List price
Shunt trip	480V AC	F4	\$232	Auxiliary switch	1 Form C	W	\$95
	240V AC	F2	232	Double auxiliary switch	2 Form C	V	190
	208V AC	FB	232	Alarm switch	1 Form C	K	95
	120V AC	F1	232	Auxiliary and alarm switch	2 Form C	WK	190
	60V AC	F6	232				
	48V AC	F7	232				
	24V AC	F8	232				
	250V DC	FG	232				
	125V DC	FJ	232				
	60V DC	FP	232				
	48V DC	FN	232				
	24V DC	FM	232				
	12V DC	FQ	232				
Undervoltage release	480V AC	R4	232				
	240V AC	R2	232				
	120V AC	R1	232				
	250V DC	RG	232				
	125V DC	RJ	232				
	48V DC	RN	232				
	24V DC	RM	232				

Note: BU-FHB circuit breakers can be modified in FUJI factory or UL recognized factories — customer's field modifications are not authorized.

Accessories, modifications: See page 41

Accessories, ratings: See page 42

To order internal accessories add suffix number to breaker's Cat. No. in the table.  
Example: BU-FHB3015XF4



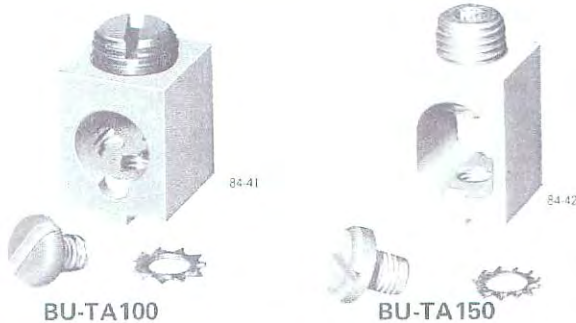
# BU-FHB

## 600V AC, 150A

Discontinued

Discontinued.

## Terminal connectors



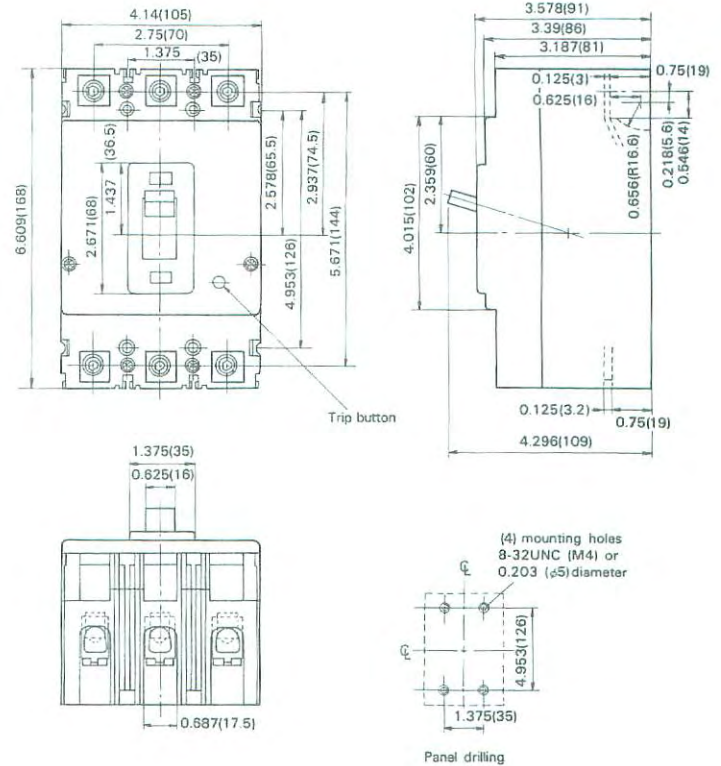
Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-FHB FUJI circuit breakers.

- When requiring extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
15-100	Al/Cu	#14-1/0	BU-TA100	\$6 (1 EA: \$2)
125-150	Al/Cu	#2-4/0	BU-TA150	6 (1 EA: \$2)

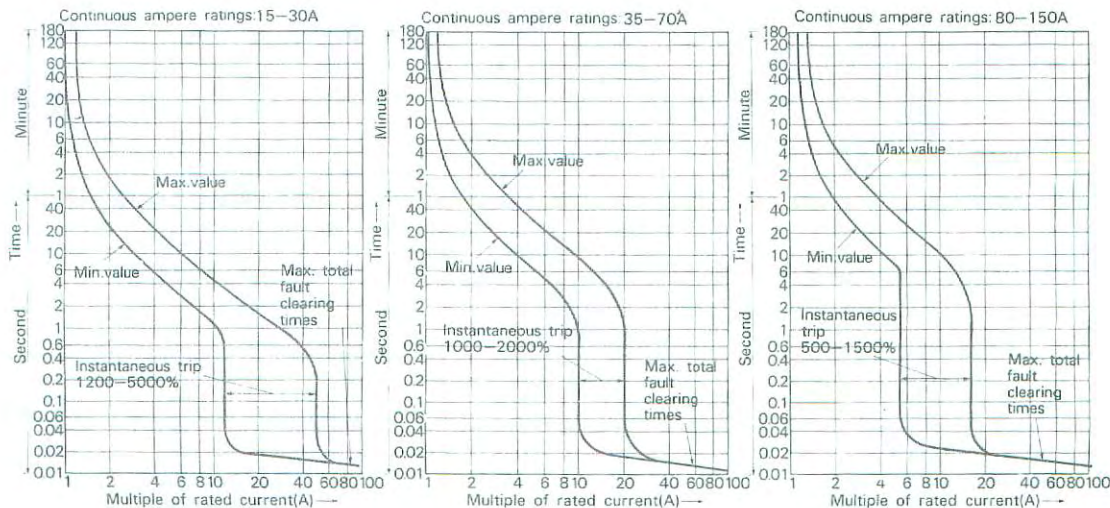
Instruction manual: IBU-19

## Dimensions, inch (mm)



## Characteristic curves

Ambient temperature: 40°C



# BU-JHB

## 600V AC, 250A



84-28

Thermal magnetic breaker  
Non-interchangeable trip type

### List prices and catalog numbers

#### Thermal magnetic breakers Non-interchangeable trip type

Continuous ampere ratings @40°C	Magnetic trip setting amperes <sup>②</sup>		Includes terminal connectors <sup>③</sup>		Without terminal connectors	
	Low	High	Catalog number	List price	Catalog number	List price
<b>2-Pole, 600 Volts AC, 250 Volts DC<sup>①</sup></b>						
70	625 — 1250		BU-JHB2070L	\$1340	BU-JHB2070	\$1300
90	625 — 1250		BU-JHB2090L	1340	BU-JHB2090	1300
100	625 — 1250		BU-JHB2100L	1340	BU-JHB2100	1300
125	625 — 1250		BU-JHB2125L	1340	BU-JHB2125	1300
150	750 — 1500		BU-JHB2150L	1340	BU-JHB2150	1300
175	875 — 1750		BU-JHB2175L	1340	BU-JHB2175	1300
200	1000 — 2000		BU-JHB2200L	1340	BU-JHB2200	1300
225	1125 — 2250		BU-JHB2225L	1340	BU-JHB2225	1300
250	1250 — 2500		BU-JHB2250L	1760	BU-JHB2250	1720
Shipping weights			11.0 lbs	5.0 kg	10.6 lbs	4.8 kg

#### 3-Pole, 600 Volts AC

70	625 — 1250	BU-JHB3070L	\$1620	BU-JHB3070	\$1560
90	625 — 1250	BU-JHB3090L	1620	BU-JHB3090	1560
100	625 — 1250	BU-JHB3100L	1620	BU-JHB3100	1560
125	625 — 1250	BU-JHB3125L	1620	BU-JHB3125	1560
150	750 — 1500	BU-JHB3150L	1620	BU-JHB3150	1560
175	875 — 1750	BU-JHB3175L	1620	BU-JHB3175	1560
200	1000 — 2000	BU-JHB3200L	1620	BU-JHB3200	1560
225	1125 — 2250	BU-JHB3225L	1620	BU-JHB3225	1560
250	1250 — 2500	BU-JHB3250L	2100	BU-JHB3250	2040
Shipping weights		12.6 lbs	5.7 kg	11.9 lbs	5.4 kg

#### Notes:

- ① : 2-pole breakers are supplied in 3-pole frame without conductors for center pole.  
② : Trip settings are set on high side and can be adjusted to lower limits.

- ③ : Breaker frame and terminal connectors are shipped in same package but they are not assembled.

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-JHB	2,3P 240V AC	65000
	480V AC	35000
	600V AC	25000
	2P 250V DC	10000
	125/250V DC	10000
CSA BU-JHB	2,3P 240V AC	65000
	480V AC	35000
	600V AC	25000

### Further information

Terminal connectors: See page 32

Handle mechanisms: See page 43

Terminals: See page 47

IEC I.C. ratings: See page 7

### Optional accessories, factory modifications

Accessory	Volts	Suffix number	List price
Shunt trip	480V AC	F4	\$232
	240V AC	F2	232
	208V AC	FB	232
	120V AC	F1	232
	60V AC	F6	232
	48V AC	F7	232
	24V AC	F8	232
	250V DC	FG	232
	125V DC	FJ	232
	60V DC	FP	232
	48V DC	FN	232
	24V DC	FM	232
	12V DC	FQ	232

Accessory	Volts	Suffix number	List price
Undervoltage release	480V AC	R4	\$232
	240V AC	R2	232
	120V AC	R1	232
	250V DC	RG	232
	125V DC	RJ	232
	48V DC	RN	232
	24V DC	RM	232

Note: BU-JHB circuit breakers can be modified in FUJI factory or UL recognized factories — customer's field modifications are not authorized.

Accessory	Total contacts	Suffix number	List price
Auxiliary switch	1 Form C	W	\$95
Double auxiliary switch	2 Form C	V	190
Alarm switch	1 Form C	K	95
Auxiliary and alarm switch	2 Form C	WK	190

Accessories, modifications: See page 41

Accessories, ratings: See page 42

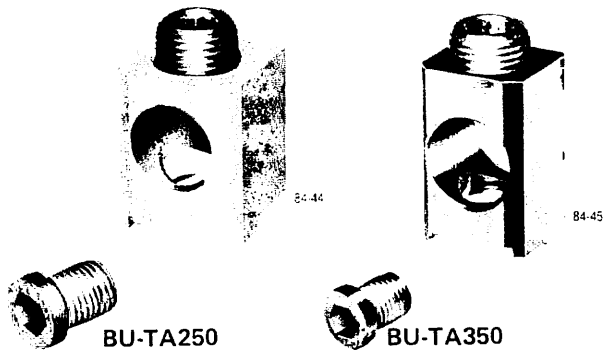
To order internal accessories add suffix number to breaker's Cat. No. in the table.

Example: BU-JHB3070LF4

# BU-JHB

## 600V AC, 250A

### Terminal connectors



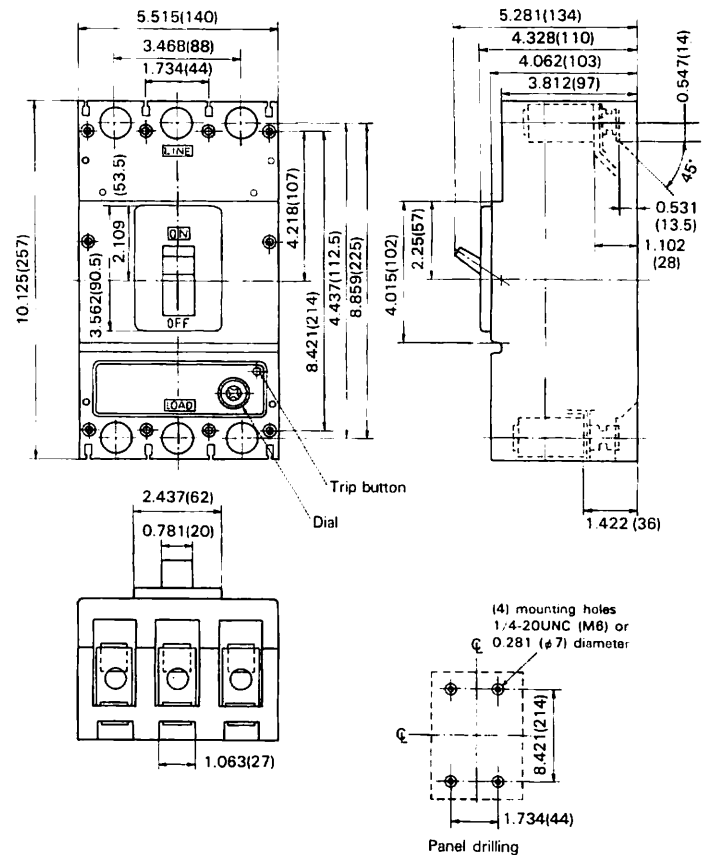
Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-JHB FUJI circuit breakers.

- To order extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
70-200	Al/Cu	#4-250MCM	BU-TA250	\$30 (1 EA: \$10)
225, 250	Al/Cu	#3/0-500MCM	BU-TA350	30 (1 EA: \$10)

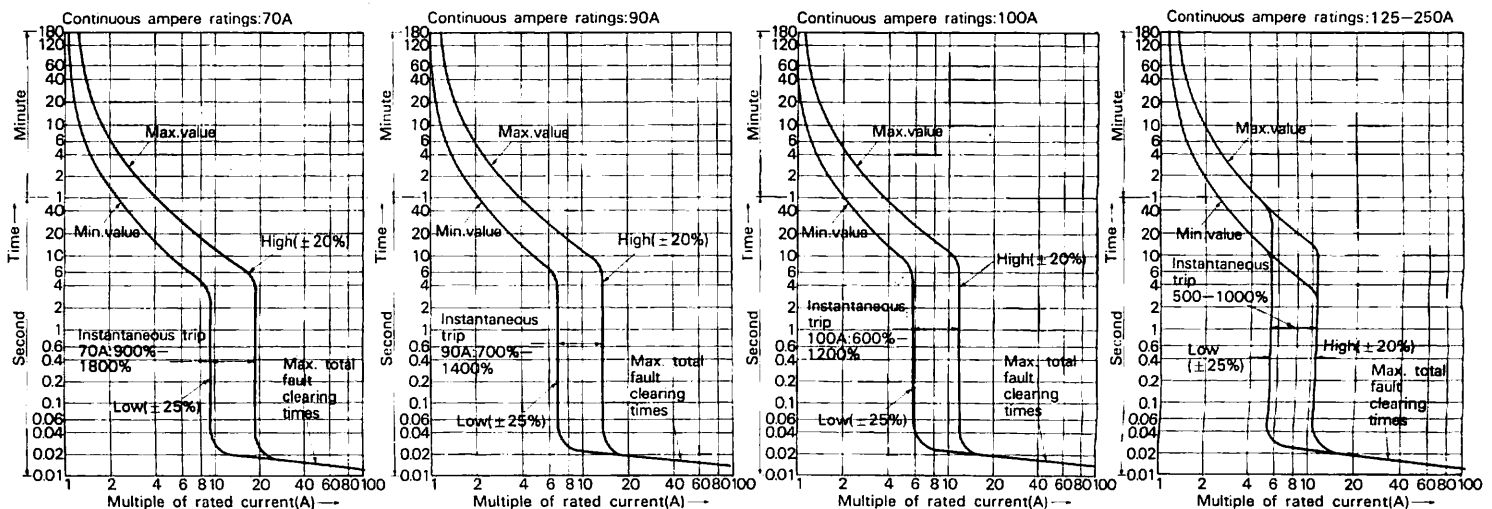
Instruction manual: IBU-21

### Dimensions, inch (mm)



### Characteristic curves

Ambient temperature: 40°C



# BU-KHB

## 600V AC, 400A



Thermal magnetic breaker  
Non-interchangeable trip type

### List prices and catalog numbers

#### Thermal magnetic breakers Non-interchangeable trip type

Continuous ampere ratings @40°C	Magnetic trip setting amperes <sup>②</sup>		Includes terminal connectors <sup>③</sup>		Without terminal connectors	
			Catalog number	List price	Catalog number	List price
	Low	High				
2-Pole, 600 Volts AC, 250 Volts DC <sup>①</sup>						
125	625	— 1250	BU-KHB2125L	<b>\$1810</b>	BU-KHB2125	<b>\$1770</b>
150	750	— 1500	BU-KHB2150L	<b>1810</b>	BU-KHB2150	<b>1770</b>
175	875	— 1750	BU-KHB2175L	<b>1810</b>	BU-KHB2175	<b>1770</b>
200	1000	— 2000	BU-KHB2200L	<b>1810</b>	BU-KHB2200	<b>1770</b>
225	1125	— 2250	BU-KHB2225L	<b>1810</b>	BU-KHB2225	<b>1770</b>
250	1250	— 2500	BU-KHB2250L	<b>1810</b>	BU-KHB2250	<b>1770</b>
300	1500	— 3000	BU-KHB2300L	<b>1810</b>	BU-KHB2300	<b>1770</b>
350	1750	— 3500	BU-KHB2350L	<b>1810</b>	BU-KHB2350	<b>1770</b>
400	2000	— 4000	BU-KHB2400L	<b>1830</b>	BU-KHB2400	<b>1770</b>
Shipping weights			12.6 lbs	5.7 kg	10.6 lbs	4.8 kg

#### 3-Pole, 600 Volts AC

125	625 — 1250	BU-KHB3125L	\$2155	BU-KHB3125	\$2095
150	750 — 1500	BU-KHB3150L	2155	BU-KHB3150	2095
175	875 — 1750	BU-KHB3175L	2155	BU-KHB3175	2095
200	1000 — 2000	BU-KHB3200L	2155	BU-KHB3200	2095
225	1125 — 2250	BU-KHB3225L	2155	BU-KHB3225	2095
250	1250 — 2500	BU-KHB3250L	2155	BU-KHB3250	2095
300	1500 — 3000	BU-KHB3300L	2155	BU-KHB3300	2095
350	1750 — 3500	BU-KHB3350L	2155	BU-KHB3350	2095
400	2000 — 4000	BU-KHB3400L	2185	BU-KHB3400	2095
Shipping weights		14.6 lbs	6.6 kg	11.9 lbs	5.4 kg

#### Notes:

- ①: 2-pole breakers are supplied in 3-pole frame without conductors for center pole.  
②: Trip settings are set on high side and can be adjusted to lower limits.

- ③: Breaker frame and terminal connectors are shipped in same package but they are not assembled.

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-KHB	2,3P 240V AC	65000
	480V AC	35000
	600V AC	25000
	2P 250V DC	10000
	125/250V DC	10000
CSA BU-KHB	2,3P 240V AC	65000
	480V AC	35000
	600V AC	25000

### Further information

Terminal connectors: See page 34  
Handle mechanisms: See page 43  
Terminals: See page 47  
IEC I.C. ratings: See page 7

### Optional accessories, factory modifications

Accessory	Volts	Suffix number	List price	Accessory	Volts	Suffix number	List price	Accessory	Total contacts	Suffix number	List price
Shunt trip	480V AC	F4	\$232	Undervoltage release	480V AC	R4	\$232	Auxiliary switch	1 Form C	W	\$95
	240V AC	F2	232		240V AC	R2	232	Double auxiliary switch	2 Form C	V	190
	208V AC	FB	232		120V AC	R1	232				
	120V AC	F1	232		250V DC	RG	232	Alarm switch	1 Form C	K	95
	60V AC	F6	232		125V DC	RJ	232	Auxiliary and alarm switch	2 Form C	WK	190
	48V AC	F7	232		48V DC	RN	232				
	24V AC	F8	232		24V DC	RM	232				
	250V DC	FG	232	<p>Note: BU-KHB circuit breakers can be modified in FUJI factory or UL recognized factories — customer's field modifications are not authorized.</p> <p>Accessories, modifications: See page 41</p>							
	125V DC	FJ	232								
	60V DC	FP	232								
	48V DC	FN	232								
	24V DC	FM	232								
	12V DC	FQ	232								
								To order internal accessories add suffix number to breaker's Cat. No. in the table. Example: BU-KHB3125LF4			

Note: BU-KHB circuit breakers can be modified in FUJI factory or UL recognized factories — customer's field modifications are not authorized.  
Accessories, modifications: See page 41  
Accessories, ratings: See page 42

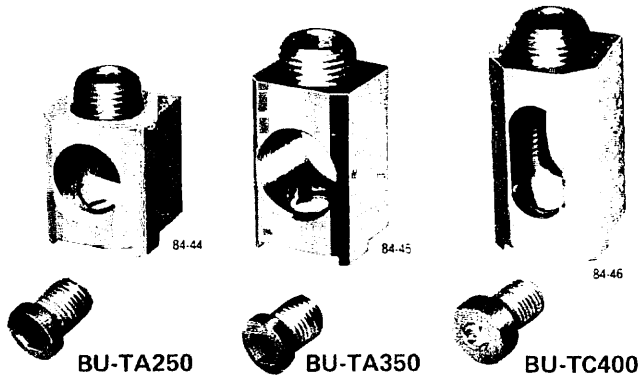
To order internal accessories add suffix number to breaker's Cat. No. in the table.  
Example: BU-KHB3125LF4



# BU-KHB

## 600V AC, 400A

### Terminal connectors



Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-KHB FUJI circuit breakers.

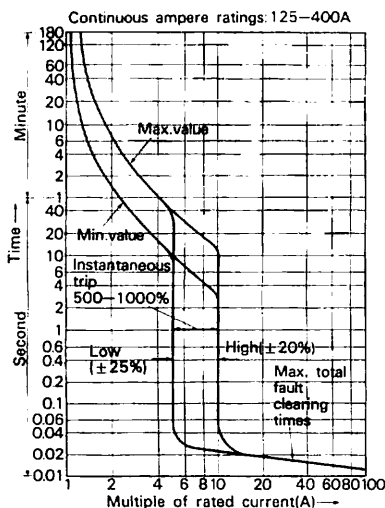
●To order extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range ( ) No. of cable AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
125-200	Al/Cu	#4-250MCM	BU-TA250	\$30 (1 EA: \$10)
225-350	Al/Cu	#3/0-500MCM	BU-TA350	30 (1 EA: \$10)
400	Cu	(2) #3/0	BU-TC400	45 (1 EA: \$15)

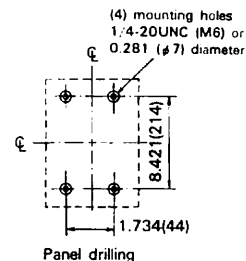
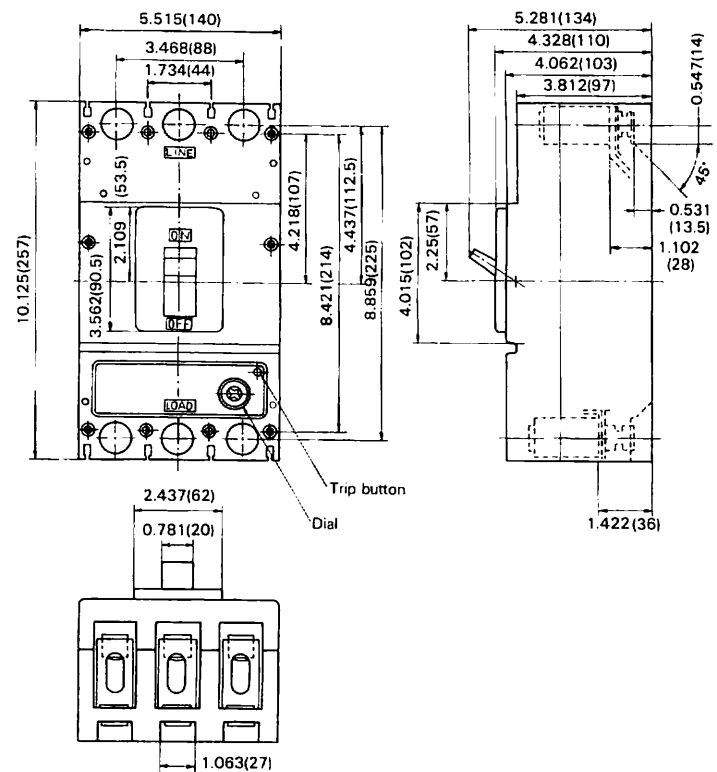
Instruction manual: IBU-22

### Characteristic curves

Ambient temperature: 40°C

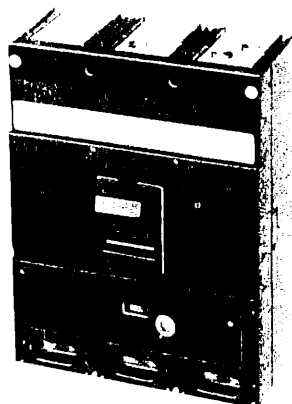


### Dimensions, inch (mm)



# BU-LHB

## 600V AC, 600A



Thermal magnetic breaker  
Interchangeable trip type

### List prices and catalog numbers

#### Thermal magnetic breakers Interchangeable trip type

Continuous ampere ratings @40°C	Magnetic trip setting amperes ②	Complete breakers®		Frame only		Trip unit only	
		Includes terminal connectors		Without terminals and trip unit		Without frame and terminals	
		Catalog number	List price	Catalog number	List price	Catalog number	List price
	Low	High					
2-Pole, 600 Volts AC, 250 Volts DC ①							
250	1250—2500	BU-LHB2250L	\$ 2266	BU-LHB2F600	\$ 1649	BU-LHB2T250	\$ 561
300	1500—3000	BU-LHB2300L	2266	BU-LHB2F600	1649	BU-LHB2T300	561
350	1750—3500	BU-LHB2350L	2266	BU-LHB2F600	1649	BU-LHB2T350	561
400	2000—4000	BU-LHB2400L	2266	BU-LHB2F600	1649	BU-LHB2T400	561
500	2500—5000	BU-LHB2500L	2266	BU-LHB2F600	1649	BU-LHB2T500	561
600	3000—6000	BU-LHB2600L	2266	BU-LHB2F600	1649	BU-LHB2T600	561
Shipping weights		18.5 lbs	8.4 kg	13.7 lbs	6.2 kg	2.2 lbs	1.0 kg

#### 3-Pole, 600 Volts AC

250	1250–2500	BU-LHB3250L	\$ 2734	BU-LHB3F600	\$ 1913	BU-LHB3T250	\$ 737
300	1500–3000	BU-LHB3300L	2734	BU-LHB3F600	1913	BU-LHB3T300	737
350	1750–3500	BU-LHB3350L	2734	BU-LHB3F600	1913	BU-LHB3T350	737
400	2000–4000	BU-LHB3400L	2734	BU-LHB3F600	1913	BU-LHB3T400	737
500	2500–5000	BU-LHB3500L	2734	BU-LHB3F600	1913	BU-LHB3T500	737
600	3000–6000	BU-LHB3600L	2734	BU-LHB3F600	1913	BU-LHB3T600	737
Shipping weights		20.9 lbs	9.5 kg	15.2 lbs	6.9 kg	2.6 lbs	1.2 kg

### Further information

Terminal connectors: See page 36

Handle mechanisms: See page 43

Terminals: See page 47

IEC I.C. ratings: See page 8

Notes:

① : 2-pole breakers are supplied in 3-pole frame without conductors for center pole.

② : Trip settings are set on high side and can be adjusted to lower limits.

③ : Complete breaker consists of frame, terminal connectors and trip unit. Terminals and trip unit are shipped separately

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-LHB	2,3P 240V AC	65000
	480V AC	35000
	600V AC	25000
	2P 250V DC	10000
	125/250V DC	10000
CSA BU-LHB	2,3P 240V AC	65000
	480V AC	35000
	600V AC	25000

### Optional accessories, factory modifications

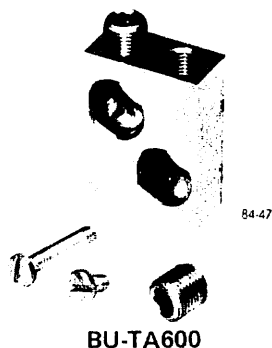
Access- ory	Volts	Catalog number UL Listed		List price	Access- ory	Volts	Catalog number UL Listed		List price	Accessory	Total contacts	Catalog number UL Listed		List price	
		Cat. No.	Suffix No.				Cat. No.	Suffix No.				Cat. No.	Suffix No.		
Shunt trip	480V AC	BU-RLH480A	F4	232	Under- voltage release	480V AC	BU-RLH480A	R4	\$232	Auxiliary switch	1 Form C	BU-WLH	W	\$95	
	240V AC	BU-RLH240A	F2	232		240V AC	BU-RLH240A	R2	232		2 Form C	BU-VLH	V	190	
	208V AC	BU-RLH208A	FB	232		120V AC	BU-RLH120A	R1	232	Alarm switch	1 Form C	BU-KLH	K	95	
	120V AC	BU-RLH120A	F1	232		250V DC	BU-RLH250D	RG	232		Auxiliary and alarm switch	2 Form C	BU-WKLH	WK	190
	60V AC	BU-RLH60A	F6	232		125V DC	BU-RLH125D	RJ	232	Double auxiliary and alarm switch		3 Form C	BU-VKLH	VK	285
	48V AC	BU-RLH48A	F7	232		48V DC	BU-RLH48D	RN	232			To order internal accessories factory assembled add suffix number to breaker's Cat. No. in the table. Example: BU-RLH250D-F4			
	24V AC	BU-RLH24A	F8	232		24V DC	BU-RLH24D	RM	232						
	250V DC	BU-RLH250D	FG	232		Note: BU-LHB circuit breakers can be modified in FUJI factory or UL recognized factories - customer's field modifications are not authorized.									
	125V DC	BU-RLH125D	FJ	232											
	60V DC	BU-RLH60D	FP	232											
48V DC	BU-RLH48D	FN	232	Accessories, modifications: See page 41 Accessories, ratings: See page 42											
24V DC	BU-RLH24D	FM	232												
12V DC	BU-RLH12D	FQ	232												

To order internal accessories factory assembled add suffix number to breaker's Cat. No. in the table.  
Example: BU-LHB3250LF4  
When requiring accessories kit order by Cat. No. given in the table.

# BU-LHB

## 600V AC, 600A

## Terminal connectors



Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-LHB FUJI circuit breakers.

- To order extra terminal connectors specify Cat. No. as listed in the table.

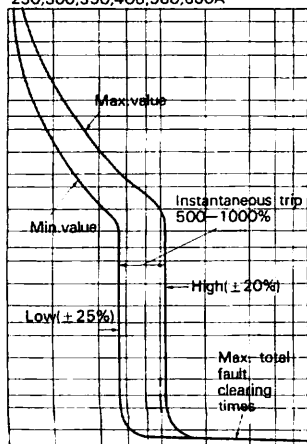
Breaker ampere ratings	Wire type	Wire size range ( ) No. of cable AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
250-600	Al/Cu	(2) 250-500MCM	BU-TA600	<b>\$42</b> (1 EA: \$14)

Instruction manual: IBU-23

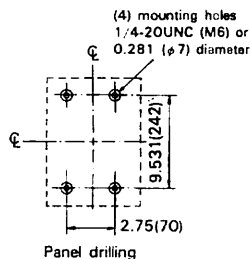
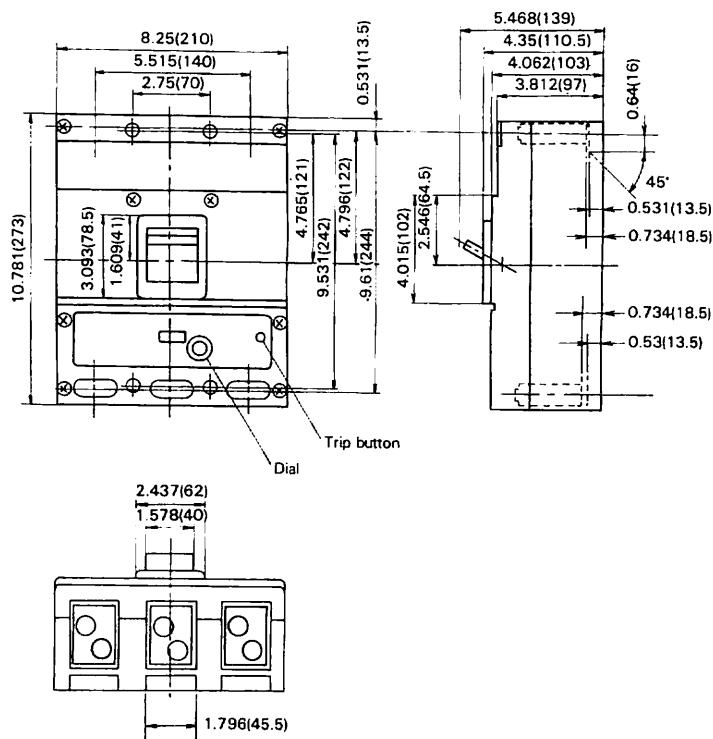
## Characteristic curves

Ambient temperature: 40°C

Continuous ampere ratings:  
250, 300, 350, 400, 500, 600A



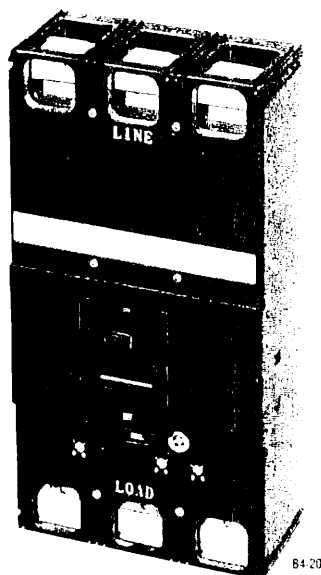
## Dimensions, inch (mm)





# BU-MHB

## 600V AC, 800A



Thermal magnetic breaker  
Interchangeable trip type

### List prices and catalog numbers

#### Thermal magnetic breakers Interchangeable trip type

Continuous ampere ratings @40°C	Magnetic trip setting amperes ②	Complete breakers ③		Frame only		Trip unit only	
		Includes terminal connectors		Without terminals and trip unit		Without frame and terminals	
		Catalog number	List price	Catalog number	List price	Catalog number	List price
2-Pole, 600 Volts AC only ①							
600	1800—3600	BU-MHB2600L	\$2803	BU-MHB2F800	\$1710	BU-MHB2T600	\$973
700	2100—4200	BU-MHB2700L	2803	BU-MHB2F800	1710	BU-MHB2T700	973
800	2400—4800	BU-MHB2800L	2843	BU-MHB2F800	1710	BU-MHB2T800	973
Shipping weights		32.8 lbs	14.9 kg	22.9 lbs	10.4 kg	3.3 lbs	1.5 kg
3-Pole, 600 Volts AC only							
600	1800—3600	BU-MHB3600L	\$3436	BU-MHB3F800	\$2010	BU-MHB3T600	\$1246
700	2100—4200	BU-MHB3700L	3436	BU-MHB3F800	2010	BU-MHB3T700	1246
800	2400—4800	BU-MHB3800L	3496	BU-MHB3F800	2010	BU-MHB3T800	1246
Shipping weights		40.8 lbs	18.5 kg	27.8 lbs	12.6 kg	4.2 lbs	1.9 kg

#### Notes:

- ① : 2-pole breakers are supplied in 3-pole frame without conductors for center pole.  
② : Trip settings are set on high side and can be adjusted to lower limits.

- ③ : Complete breaker consists of frame, terminal connectors and trip unit. Terminals and trip unit are shipped separately.

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-MHB	2,3P 240V AC 480V AC 600V AC	65000 42000 25000
CSA BU-MHB	2,3P 240V AC 480V AC 600V AC	65000 42000 25000

### Further information

Terminal connectors: See page 38  
Handle mechanisms: See page 43  
Terminals: See page 47  
IEC I.C. ratings: See page 8

### Optional accessories, factory modifications

Access- sory	Volts	Catalog number UL Listed		List price	Accessory	Total contacts	Catalog number UL Listed		List price
		Cat. No.	Suffix No.				Cat. No.	Suffix No.	
Shunt trip	480V AC	BU-FNH480A	F4	\$232	Auxiliary switch	1 Form C	BU-WNH	W	\$95
	240V AC	BU-FNH240A	F2	232		2 Form C	BU-VNH	V	190
	208V AC	BU-FNH208A	FB	232	Alarm switch	1 Form C	BU-KNH	K	95
	120V AC	BU-FNH120A	F1	232		2 Form C	BU-WKNH	WK	190
	60V AC	BU-FNH60A	F6	232	Auxiliary and alarm switch				
	48V AC	BU-FNH48A	F7	232		3 Form C	BU-VKNH	VK	285
	24V AC	BU-FNH24A	F8	232	Double auxiliary and alarm switch				
	250V DC	BU-FNH250D	FG	232					
	125V DC	BU-FNH125D	FJ	232					
	60V DC	BU-FNH60D	FP	232					
	48V DC	BU-FNH48D	FN	232					
	24V DC	BU-FNH24D	FM	232					
	12V DC	BU-FNH12D	FQ	232					
Under- voltage release	480V AC	BU-RNH480A	R4	232					
	240V AC	BU-RNH240A	R2	232					
	120V AC	BU-RNH120A	R1	232					
	250V DC	BU-RNH250D	RG	232					
	125V DC	BU-RNH125D	RJ	232					
	48V DC	BU-RNH48D	RN	232					
	24V DC	BU-RNH24D	RM	232					
	12V DC	BU-RNH12D	RQ	232					

Note: BU-MHB circuit breakers can be modified in FUJI factory or UL recognized factories - customer's field modifications are not authorized.

Accessories, modifications: See page 41  
Accessories, ratings: See page 42

To order internal accessories factory assembled add suffix number to breaker's Cat. No. in the table.

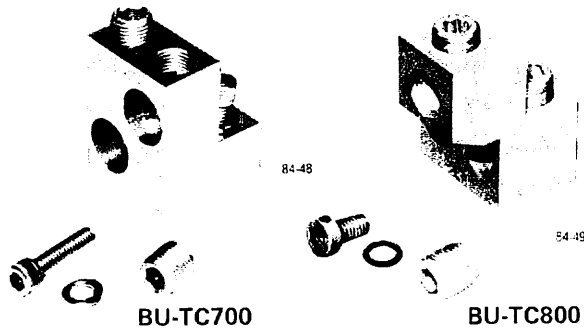
Example: BU-MHB3600LF4

When requiring accessories kit order by Cat. No. given in the table.

# BU-MHB

## 600V AC, 800A

### Terminal connectors



Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-MHB FUJI circuit breakers.

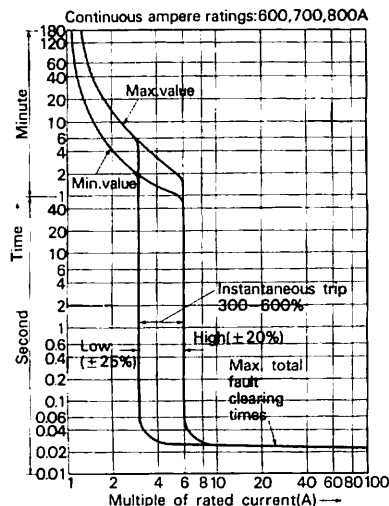
• To order extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range ( ) No. of cable AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
600, 700	Cu	(2) 250-500MCM	BU-TC700	\$90 (1 EA: \$30)
800	Cu	(3) #3/0-300MCM	BU-TC800	120 (1 EA: \$40)

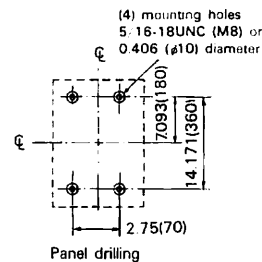
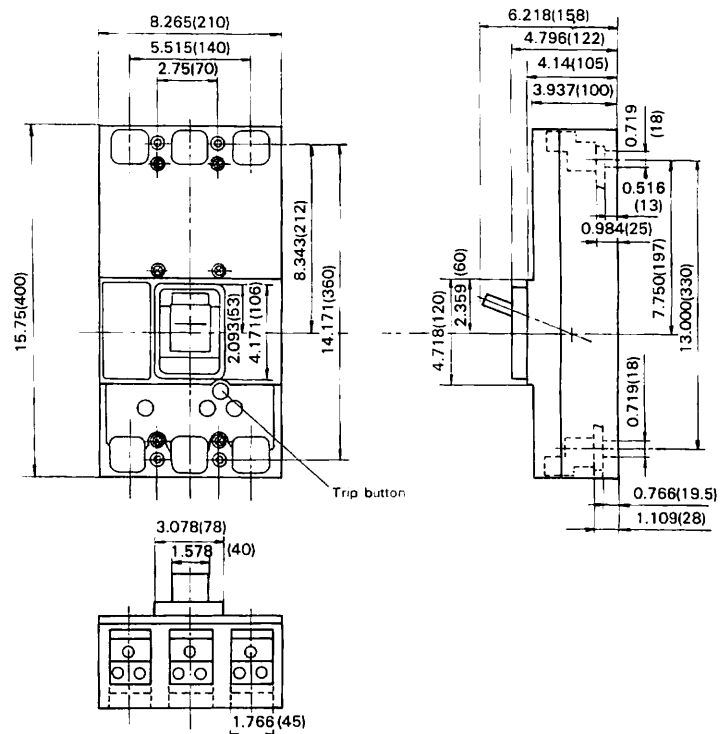
Instruction manual: IBU-24

### Characteristic curves

Ambient temperature: 40°C

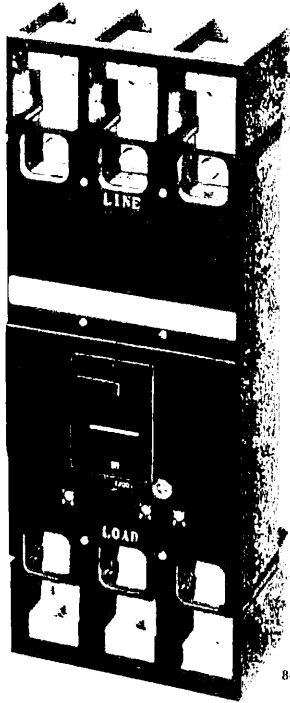


### Dimensions, inch (mm)



# BU-NHB

## 600V AC, 1200A



Thermal magnetic breaker  
Interchangeable trip type

### List prices and catalog numbers

#### Thermal magnetic breakers Interchangeable trip type

Continuous ampere ratings @40°C	Magnetic trip setting amperes <sup>②</sup>		Complete breakers <sup>③</sup>		Frame only		Trip unit only	
			Includes terminal connectors		Without terminals and trip unit		Without frame and terminals	
	Low	High	Catalog number	List price	Catalog number	List price	Catalog number	List price

#### 2-Pole, 600 Volts AC only<sup>①</sup>

1000	3000—6000	BU-NHB2100L	\$3940	BU-NHB2F120	\$2300	BU-NHB2T100	\$1400
1200	3600—7200	BU-NHB2120L	4990	BU-NHB2F120	2300	BU-NHB2T120	2450
Shipping weights		47.8 lbs	21.7 kg	28.4 lbs	12.9 kg	3.5 lbs	1.6 kg

#### 3-Pole, 600 Volts AC only

1000	3000—6000	BU-NHB3100L	\$4460	BU-NHB3F120	\$2550	BU-NHB3T100	\$1550
1200	3600—7200	BU-NHB3120L	5610	BU-NHB3F120	2550	BU-NHB3T120	2700
Shipping weights		60.6 lbs	27.5 kg	33.3 lbs	15.1 kg	4.4 lbs	2.0 kg

#### Notes:

- ① : 2-pole breakers are supplied in 3-pole frame without conductors for center pole.  
② : Trip settings are set on high side and can be adjusted to lower limits.

- ③ : Complete breaker consists of frame, terminal connectors and trip unit. Terminals and trip unit are shipped separately.

### Rated interrupting capacity

Breaker type	Volts	RMS, Sym amperes
UL BU-NHB	2,3P 240V AC 480V AC 600V AC	65000 42000 25000
CSA BU-NHB	2,3P 240V AC 480V AC 600V AC	65000 42000 25000

### Further information

Terminal connectors: See page 40  
Handle mechanisms: See page 43  
Terminals: See page 47  
IEC I.C. ratings: See page 8

### Optional accessories, factory modifications

Access- sory	Volts	Catalog number UL Listed		List price	Accessory	Total contacts	Catalog number UL Listed		List price
		Cat. No.	Suffix No.				Cat. No.	Suffix No.	
Shunt trip	480V AC	BU-FNH480A	F4	\$232	Auxiliary switch	1 Form C	BU-WNH	W	\$95
	240V AC	BU-FNH240A	F2	232		2 Form C	BU-VNH	V	190
	208V AC	BU-FNH208A	FB	232	Alarm switch	1 Form C	BU-KNH	K	95
	120V AC	BU-FNH120A	F1	232		2 Form C	BU-WKNH	WK	190
	60V AC	BU-FNH60A	F6	232	Double auxiliary and alarm switch	3 Form C	BU-VKNH	VK	285
	48V AC	BU-FNH48A	F7	232					
	24V AC	BU-FNH24A	F8	232					
	250V DC	BU-FNH250D	FG	232					
	125V DC	BU-FNH125D	FJ	232					
	60V DC	BU-FNH60D	FP	232					
	48V DC	BU-FNH48D	FN	232					
	24V DC	BU-FNH24D	FM	232					
	12V DC	BU-FNH12D	FQ	232					
Under- voltage release	480V AC	BU-RNH480A	R4	232					
	240V AC	BU-RNH240A	R2	232					
	120V AC	BU-RNH120A	R1	232					
	250V DC	BU-RNH250D	RG	232					
	125V DC	BU-RNH125D	RJ	232					
	48V DC	BU-RNH48D	RN	232					
	24V DC	BU-RNH24D	RM	232					
	12V DC	BU-RNH12D	RQ	232					

Note: BU-NHB circuit breakers can be modified in FUJI factory or UL recognized factories – customer's field modifications are not authorized.

Accessories, modifications: See page 41  
Accessories, ratings: See page 42

To order internal accessories factory assembled add suffix number to breaker's Cat. No. in the table.

Example: BU-NHB3600LF4

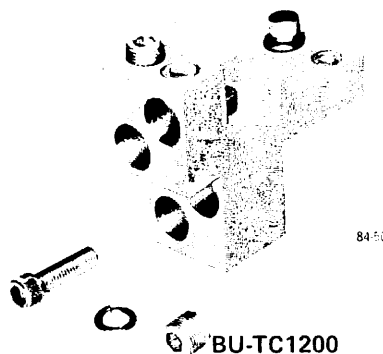
When requiring accessories kit order by Cat. No. given in the table.



# BU-NHB

## 600VAC, 1200A

### Terminal connectors



BU-TC1200

Terminal connectors are UL recognized and CSA certified. Terminal data provides wire types and sizes suitable for use with BU-NHB FUJI circuit breakers.

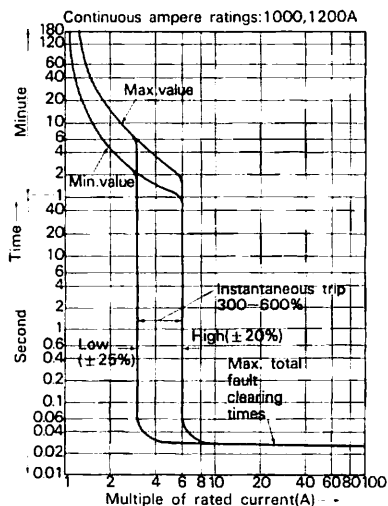
- To order extra terminal connectors specify Cat. No. as listed in the table.

Breaker ampere ratings	Wire type	Wire size range ( ) No. of cable AWG or MCM	Package of 3 terminal connectors	
			Cat. No.	List price
1000, 1200	Cu	(4) #3/0-400MCM	BU-TC1200	\$180 (1EA: \$60)

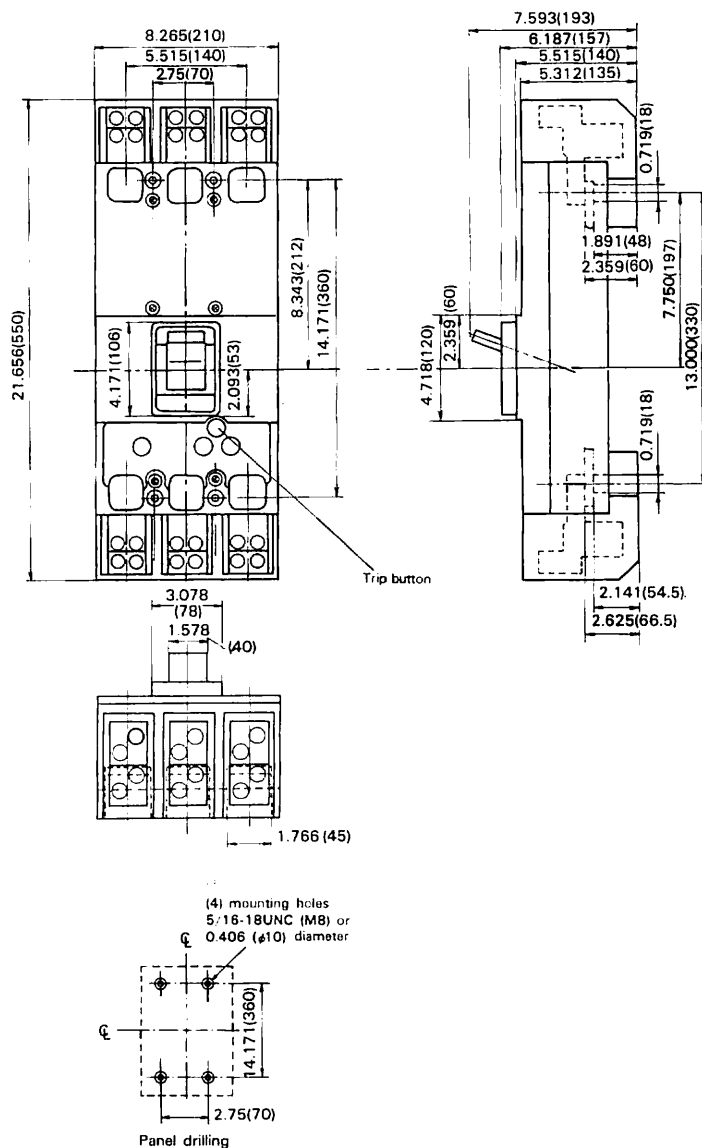
Instruction manual: IBU-25

### Characteristic curves

Ambient temperature: 40°C



### Dimensions, inch (mm)



# ACCESSORIES, MODIFICATIONS

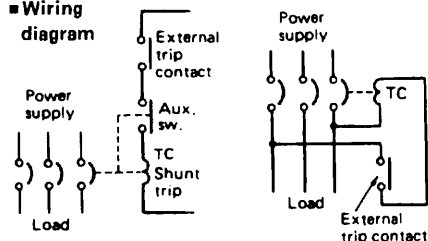
600AF through 1200AF interchangeable trip type circuit breakers can be fitted with internal accessories at FUJI factory.

100 AF through 400AF non-interchangeable trip type circuit breakers can be fitted with internal accessories. However, they must be modified at FUJI factory or UL authorized factories.

## Shunt trip (Type F)

Shunt trip will electrically trip a breaker. Breaker trips when voltage is applied to the shunt trip coil. In BU-ECA, -GCA, -GDA the shunt trip circuit should be connected in series with an auxiliary switch (1 NO) of the breaker or the control power source should be fed from the load side of the breaker. In the case of a DC coil an appropriate relay must be used, since the auxiliary switch does not have adequate DC rating.

### Wiring diagram



## Undervoltage release (Type R)

The trip operates when the voltage drops to less than 35-60% of nominal coil rating, and the breaker cannot be reset until the voltage recovers to 75-85% of its normal rating.

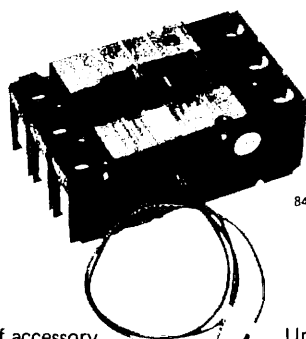
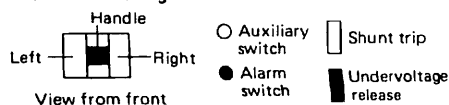
## Auxiliary switch (Type W)

This switch is used for indicator lamp or control circuit.

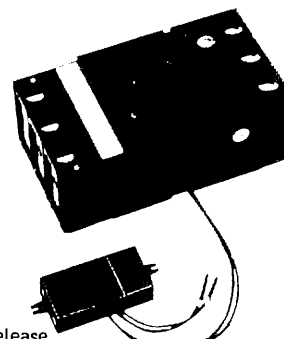
## Alarm switch (Type K)

This switch can be connected to a warning lamp or buzzer to indicate when the breaker has been tripped.

### Available configurations



Length of accessory lead wires is 18 inches (450mm).



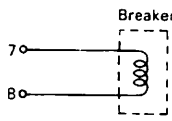
Undervoltage release is provided with solid state control unit which is separately assembled.

Breaker type	Factory modifications			Field modifications	
	Non-interchangeable trip			Interchangeable trip	
	BU-ECA	BU-ECA(3P) BU-GCA BU-GDA BU-ESB BU-FSB BU-JSB	BU-KSB BU-KDA BU-FHB BU-JHB BU-KHB	BU-LSB BU-LHB	BU-MSB BU-NSB BU-MHB BU-NHB
Poles	2	2, 3		2, 3	3
Shunt trip F					
Undervoltage release R					
Auxiliary switch SPDT (1 Form C) W					
Alarm switch SPDT (1 Form C) K					
Double auxiliary switch V					
Auxiliary and alarm switch WK					
Double auxiliary and alarm switch VK					
W+F					
V+F					
W+R					
V+R					
K+F					
K+R					
WK+F					
WK+R					
VK+F					
VK+R					

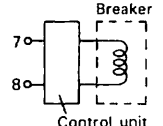
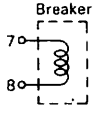
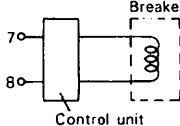
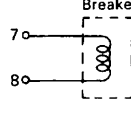
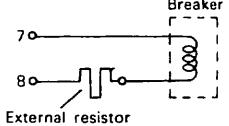
# ACCESSORIES, RATINGS

## Rating and wiring diagrams

### Shunt trip coil data

Breaker type Volts	BU-ECA BU-GCA, GDA		BU-ESB, FSB, FHB, JSB BU-JHB, KDA, KSB, KHB		BU-LSB, LHB		BU-MSB, MHB BU-NSB, NHB		Wiring diagram
	Inrush amps	Coil res. ohms	Inrush amps	Coil res. ohms	Inrush amps	Coil res. ohms	Inrush amps	Coil res. ohms	
24V 50/60Hz	6.1	3.7	6.33	3.8	1.5	12.9	0.34	2.9	
48V 50/60Hz	3.3	14	3.43	14.0	0.9	46.9	0.16	15	
60V 50/60Hz	2.2	26	2.35	25.5	0.8	74.0	0.13	24	
120V 50/60Hz	1.55	70	1.69	70.9	0.67	207	0.045	90	
208V 50/60Hz	0.66	300	0.69	302	0.31	760	0.04	230	
240V 50/60Hz	0.78	300	0.79	302	0.33	760	0.036	340	
480V 50/60Hz	—	—	0.50	964	0.36	500	0.018	1500	
12V DC	11.5	1.0	11.5	1.0	3.3	3.0	4.2	2.9	
24V DC	6.4	3.7	6.33	3.8	1.5	12.9	2.5	10	
48V DC	3.4	14	3.43	14.0	0.9	46.9	0.83	60	
60V DC	2.3	26	2.35	25.5	0.8	74.0	0.7	86	
125V DC	1.1	120	1.76	70.9	0.7	207	0.55	230	
250V DC	0.63	410	0.83	302	0.33	760	0.19	1340	

### Undervoltage release data

Breaker type Volts	BU-ECA BU-GCA, GDA		BU-ESB, FSB, FHB, JSB BU-JHB, KDA, KSB, KHB		BU-LSB, LHB		BU-MSB, MHB BU-NSB, NHB		External resistor ohms watts	
	Inrush amps	Coil res. ohms	Inrush amps	Coil res. ohms	Inrush amps	Coil res. ohms	Inrush amps	Coil res. ohms		
120V 50/60Hz	10.5	9780	1.69	70.9	0.17	534	0.041	90	—	—
240V 50/60Hz	5.1	41800	0.79	302	0.096	1910	0.028	340	—	—
480V 50/60Hz	—	—	0.5	964	0.048	7000	0.013	1500	—	—
12V DC	75	157	—	—	—	—	1.22	9.1	40	30
24V DC	32	7770	6.33	3.8	0.8	35	0.59	40	120	30
48V DC	22	2270	3.43	14	0.48	100	0.32	150	400	30
125V DC	7	18300	1.76	70.9	0.177	534	0.123	1020	2800	30
250V DC	4.2	58700	0.83	302	0.1	1910	0.069	3630	10000	30
Wiring diagrams	AC		DC		AC or DC		AC		DC	
										

### Auxiliary and alarm switch data

Breaker type  Volts	Breaking current (Amps)				BU-MSB, MHB BU-NSB, NHB		Wiring diagrams				
	BU-ECA BU-GCA, GDA		BU-ESB, FSB, FHB, JSB BU-JHB, KDA, KSB, KHB BU-LSB, LHB				Switch	Breaker position			
	R ①	L ②	R ①	L ②	R ①	L ②	Auxiliary switch	ON	OFF	TRIP	
120V 50/60Hz	5	4	5	4	15	15	1 Form C Single				
240V 50/60Hz	5	4	5	4	15	15					
480V 50/60Hz	2 ③	1 ③	5 ③	2 ③	15	15					
125V DC ③	0.4	0.1	0.4	0.1	0.4	0.05	2 Form C Double				
250V DC ③	0.2	0.03	0.3	0.05	0.2	0.03					
							Alarm switch 1 Form C				

Notes: Not CSA certified.

①: R = Resistive load

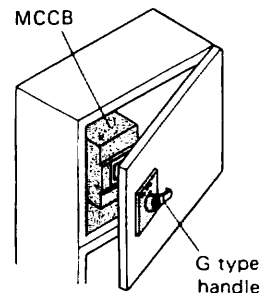
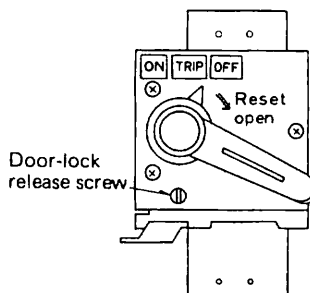
②: L = Inductive load. Inductive load: Power factor of over 0.4 (AC), time constant of less than 7ms (DC)

③: Not UL listed

# HANDLE MECHANISMS

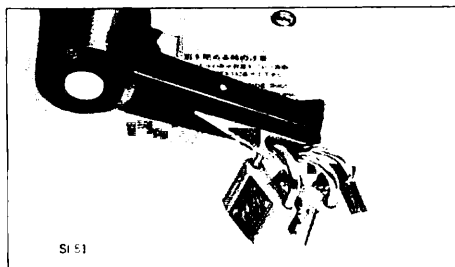
## Features

1. The G type is designed with the operating handle fitted to the door panel. This handle is normally used for ON-OFF operation of the breaker.
2. The door cannot be opened when the breaker is in the ON position. A door locking mechanism is provided.
3. Handles are of pad-locked type.
4. A release screw permits the interlock to be defeated if it is necessary to open the door with the breaker in the ON position.
5. Cutting, drilling and fitting to the door panel are easier.
6. The handle is black, which is the most suitable for the motor control centers.



## Operating instructions

1. ON operation
  - Close the door and turn the handle to "ON" position.
  - When the breaker is interrupted automatically the handle will move to the "TRIP" position.
2. Reset
  - Turn the handle clockwise from "TRIP" passing through "OFF" position to reset the breaker.
3. Door locking
  - Further turn the handle clockwise from the "OFF" position and the lock mechanism will be released thus allowing the door to be opened.
  - The door cannot be opened when the breaker is ON.
4. Handle locking
  - Operating handle can be locked by pad locks. Handle locking can be selected between lock-off and lock-on.

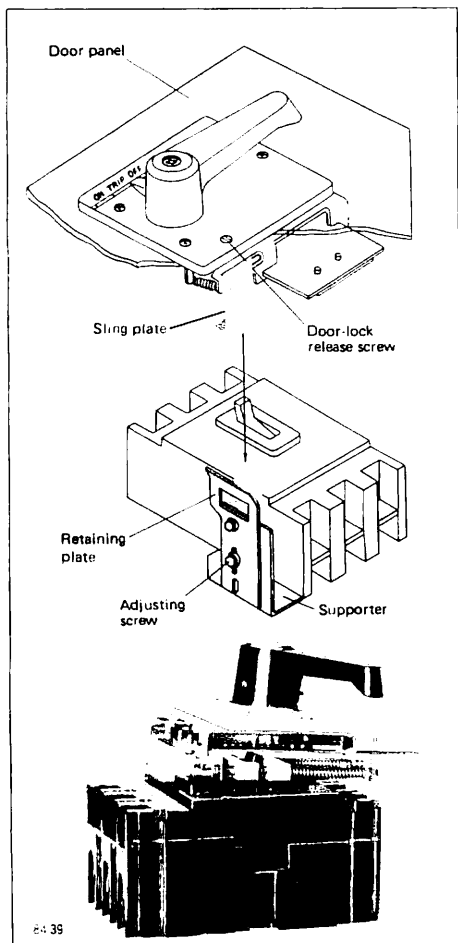
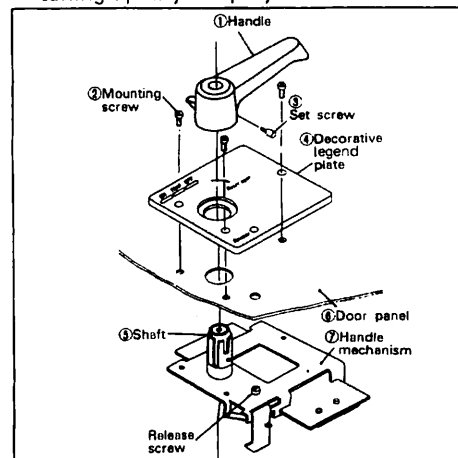


## 5. Interlock release

This type is provided with an interlock release screw. Turn this screw if it is necessary to open the door at the ON position. This releases the interlock and allows the door to be opened. When reclosing the door make sure the handle of the breaker coincides with the position (ON or OFF) of the external handle.

## Installation

1. Drilling and cutting the panel
  - Drill and cut the panel as shown in the drawing.
2. Mounting the MCCB
  - If requiring door locking attach the retaining plate and the supporter (not provided) when mounting the MCCB to the panel as illustrated.
3. Fitting the G type handle (Refer to the illustration.)
  - First remove the set screw ③ and handle mounting screws ②. Then remove handle ①, decorative legend plate ④ and operating mechanism ⑦.
  - Fit the decorative legend plate ④ and mechanism body ⑦ to the door panel ⑥ by means of the mounting screws ② as shown in the illustration.
  - Insert the handle on the shaft ⑤ and secure by means of the set screw ③.
4. Adjust the height of the retaining plate by means of the adjusting screws.
5. Check the door for play. Carry out the retaining plate adjustment once more taking up any endplay.



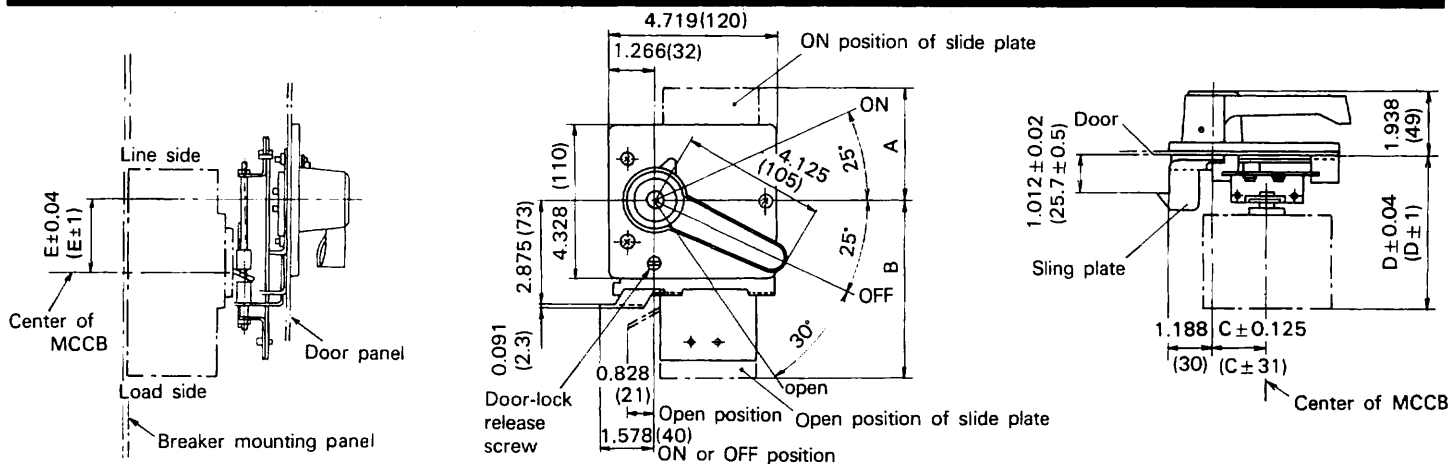


## List prices and catalog numbers

Handle Cat. No.	List price	Applicable circuit breakers
BU-GEC	\$ 38	BU-ECA
BU-GGD	38	BU-ESB, BU-FSB, BU-FHB, BU-GCA, BU-GDA
BU-GKH	38	BU-JSB, BU-JHB, BU-KDA, BU-KSB, BU-KHB
BU-GLH	66	BU-LSB, BU-LHB
BU-GNH	130	BU-MSB, BU-MHB, BU-NSB, BU-NHB

Note: Retaining plate is included.

## Dimensions, inch (mm)



Door panel cutting

Panel drilling of breaker mounting panel

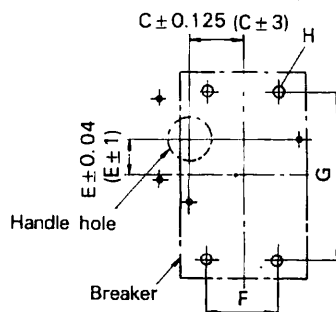
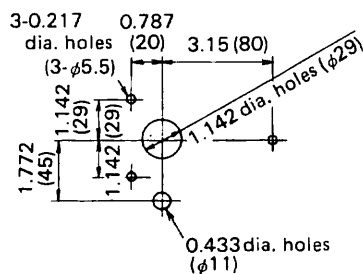


Fig. a (3-pole)

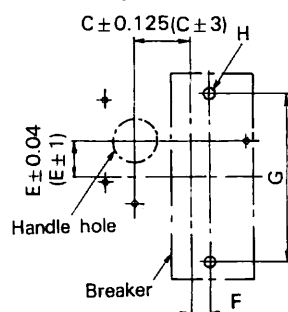
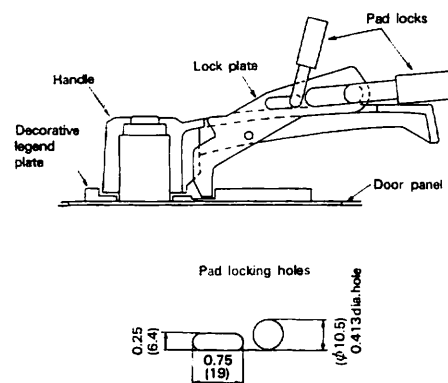


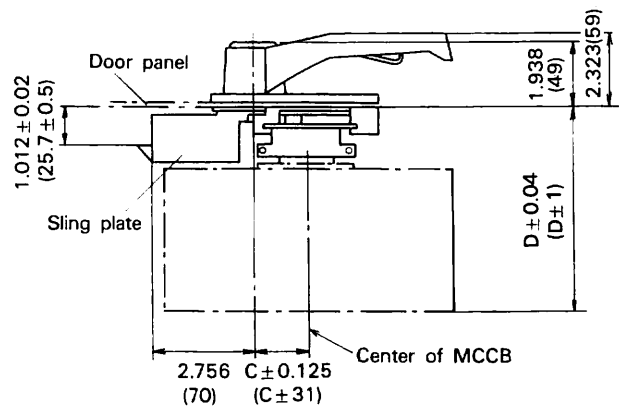
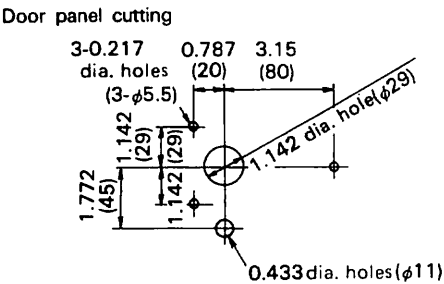
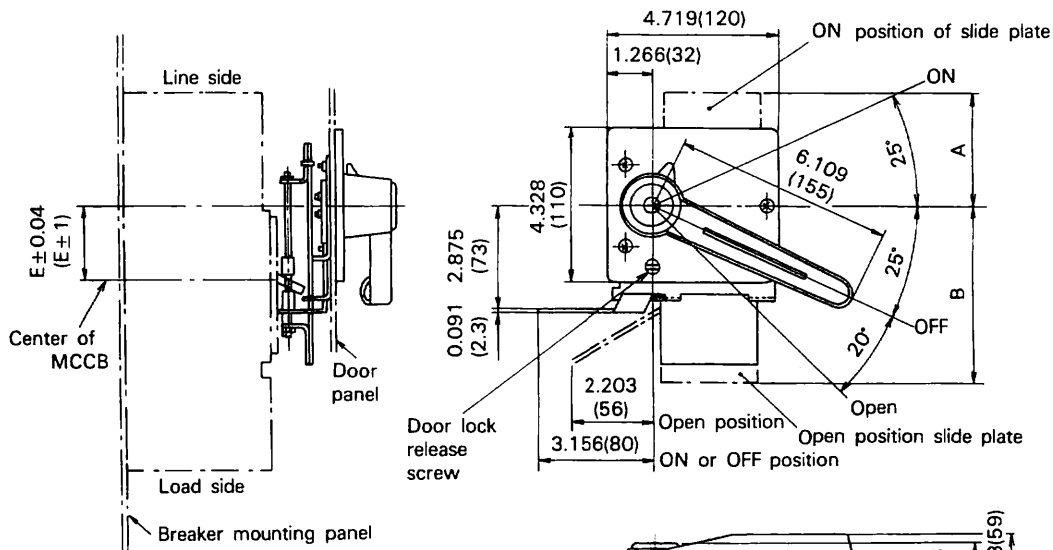
Fig. b (2-pole)

Handle type	Applicable MCCB	A	B	C	D	E	F	G	H	Panel drilling
BU-GEC	BU-ECA (2P)	3.228 (82)	4.528 (115)	1.575 (40)	4.331 (110)	1.417 (36)	0.689 (17.5)	4.961 (126)	10-32 tap or 0.203 dia. holes (M4 or φ5)	Fig. b
	BU-ECA (3P)						1.378 (35)			Fig. a
BU-GGD	BU-ESB (2P)	3.228 (82)	4.528 (115)	1.575 (40)	5.118 (130)	1.417 (36)	1.378 (35)	4.961 (126)		Fig. a
	BU-FSB (3P)									
BU-GGD	BU-FHB (3P)									
	BU-GCA (2P)	3.228 (82)	4.528 (115)	1.575 (40)	4.331 (110)	1.417 (36)	1.378 (35)	4.961 (126)		Fig. a
	BU-GDA (3P)									
BU-GKH	BU-JSB (2P)	4.370 (111)	5.984 (152)	1.575 (40)	6.181 (157)	1.417 (36)	1.732 (44)	8.425 (214)	1/4-20 tap or 0.281 dia. holes (M6 or φ7)	Fig. a
	BU-JHB (3P)									
	BU-KDA (3P)									
	BU-KSB (3P)									
	BU-KHB (3P)									

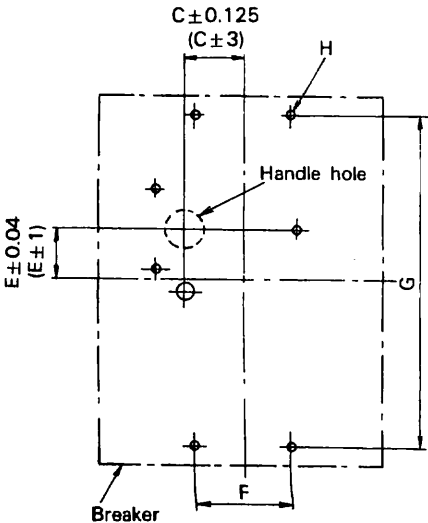


# HANDLE MECHANISMS

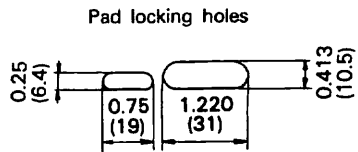
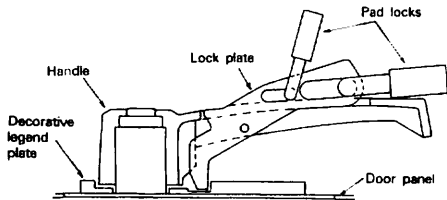
Dimensions, inch (mm)



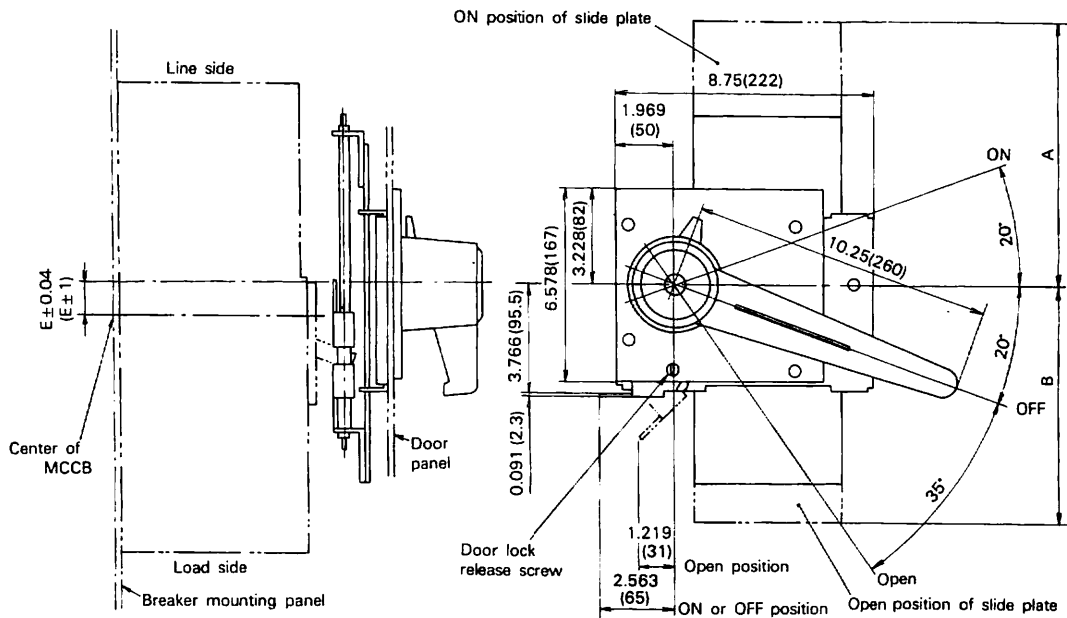
Panel drilling of breaker mounting panel



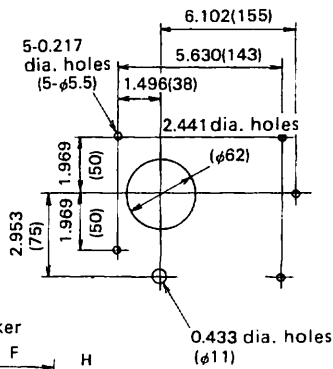
Handle type	Applicable MCCB	A	B	C	D	E	F	G	H
BU-GLH	BU-LSB 2P BU-LHB 3P	4.606 (117)	5.236 (133)	1.575 (40)	6.181 (157)	1.496 (38)	2.756 (70)	9.528 (242)	1/4-20 tap or 0.281 dia. holes (M6 or φ7)



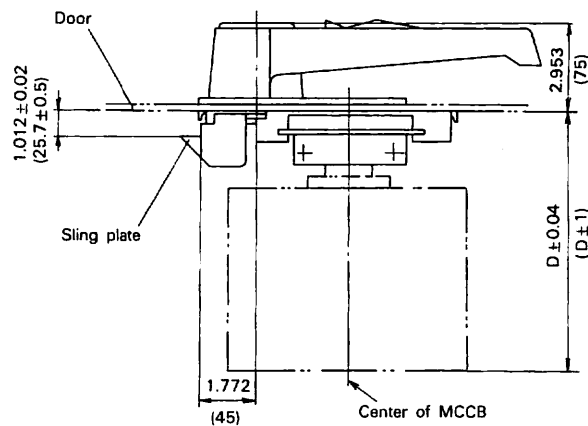
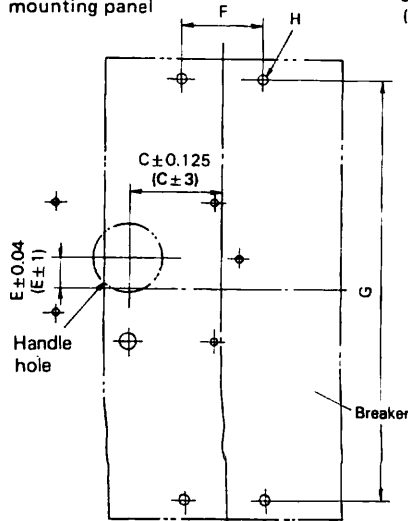
# Dimensions, inch (mm)



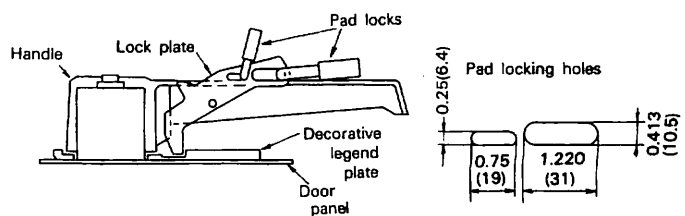
Door panel cutting

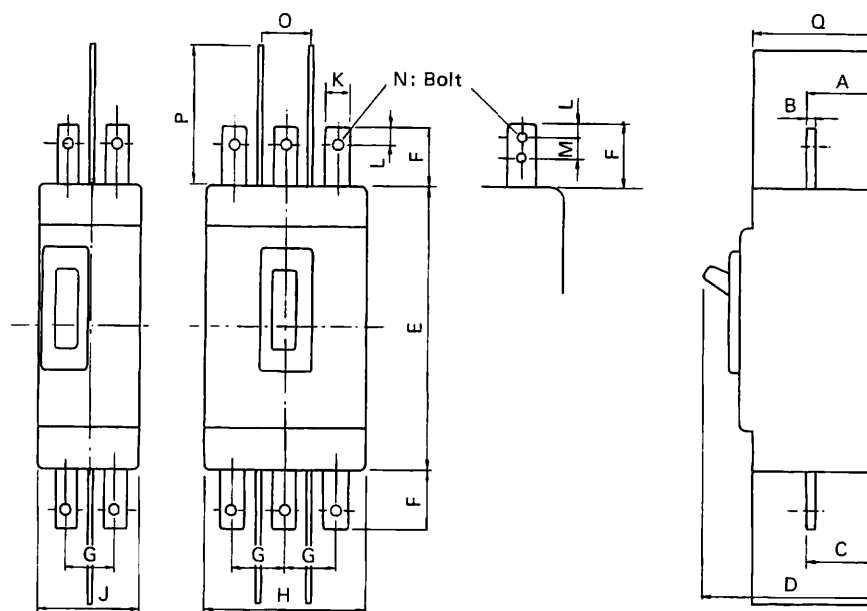


Panel drilling of breaker mounting panel



Handle type	Applicable MCCB	A	B	C	D	E	F	G	H
BU-GNH	BU-MSB BU-MHB	8.819 (224)	7.795 (198)	3.228 (82)	7.087 (180)	0.866 (22)	2.756 (70)	14.173 (360)	5/16-18 tap or 0.406 dia. holes (M8 or φ10)
BU-GNH	BU-NSB BU-NHB	8.819 (224)	7.795 (198)	3.228 (82)	9.843 (250)	0.866 (22)	2.756 (70)	14.173 (360)	





Breaker type	Terminal type	A	B	C	D	E	F	G	H	J	K	L	M	N		O	P	Q
														Bolt	Torque Lb-in (kg-m)			
BU-ECA2	BU-S102	1.14 (29)	0.19 (5)	1.14 (29)	3.265 (83)	5.984 (152)	1.18 (30)	1.375 (35)	—	2.75 (70)	0.59 (15)	0.31 (8)	—	M8 x20	118 (135)	—	2.17 (55)	2.5 (63.5)
BU-ECA3	BU-S103	1.14 (29)	0.19 (5)	1.14 (29)	3.265 (83)	5.984 (152)	1.18 (30)	1.375 (35)	4.14 (105)	—	0.59 (15)	0.31 (8)	—	M8 x20	118 (135)	1.375 (35)	2.17 (55)	2.5 (63.5)
BU-ESB2 BU-FSB2, BU-FHB2	LINE: BU-S152R LOAD: BU-S152U	1.062 (27)	0.196 (5)	1.082 (27.5)	4.296 (109)	6.609 (168)	1.14 (29)	1.61 (41)	4.14 (105)	—	0.59 (15)	0.31 (8)	—	M8 x20	118 (135)	1.375 (35)	4.2 (105)	3.187 (81)
BU-ESB3 BU-FSB3, BU-FHB3	LINE: BU-S153R LOAD: BU-S153U																	
BU-GCA2, BU-GDA2	BU-S202	1.062 (27)	0.196 (5)	1.062 (27)	3.421 (87)	6.765 (172)	1.456 (37)	1.614 (41)	4.094 (104)	—	0.866 (22)	0.354 (9)	—	M10 x20	235 (270)	1.375 (35)	2.17 (55)	2.5 (63.5)
BU-GCA3, BU-GDA3	BU-S203																	
BU-JSB2, BU-JHB2 BU-KSB2, BU-KHB2 BU-KDA2	BU-S402	1.41 (36)	0.314 (8)	1.34 (34)	5.281 (134)	10.125 (257)	1.60 (41.5)	2.225 (56.5)	5.515 (140)	—	0.98 (25)	0.59 (15)	—	M12 x35	417 (480)	1.734 (44)	4.2 (105)	3.812 (97)
BU-JSB3, BU-JHB3 BU-KSB3, BU-KHB3 BU-KDA3	BU-S403																	
BU-LSB2, BU-LHB2	BU-S602	1.12 (28.5)	0.39 (10)	1.22 (31)	5.468 (139)	10.781 (273)	2.85 (72.5)	2.76 (70)	8.25 (210)	—	1.73 (44)	0.59 (15)	1.26— 1.57 (32— 40)	M12 x40	417 (480)	2.76 (70)	4.2 (105)	3.812 (97)
BU-LSB3, BU-LHB3	BU-S603																	
BU-MSB2, BU-MHB2	BU-S802	1.36 (34.5)	0.39 (10)	1.63 (41.5)	6.218 (158)	15.75 (400)	1.97 (50)	2.76 (70)	8.25 (210)	—	1.73 (44)	0.79 (20)	—	M12 x40	417 (480)	2.76 (70)	4.2 (105)	3.812 (97)
BU-MSB3, BU-MHB3	BU-S803																	
BU-NSB2, BU-NHB2	BU-S1202	1.63 (41.5)	0.67 (17)	1.91 (48.5)	6.218 (158)	15.75 (400)	3.54 (90)	2.76 (70)	8.25 (210)	—	1.73 (44)	0.79 (20)	1.57 (40)	M12 x50	417 (480)	2.76 (70)	4.2 (105)	3.812 (97)
BU-NSB3, BU-NHB3	BU-S1203																	

Notes: ① : Either line side or load side terminals are supplied for one breaker (two terminals for 2-pole breaker, three terminals for 3-pole breaker).  
 ② : BU-ESB through BU-NHB; 2-pole breakers are supplied in 3-pole frame without conductors for center pole.



# GENERAL APPLICATION

## General application information for molded case circuit breakers

### Application Standards

FUJI series BU MCCB's are designed and manufactured for use in accordance with requirements of the National Electric Code. The design, application and test standards for FUJI Series BU MCCB's are:

- Underwriters' Laboratories, Inc.:  
UL 489 . . . . . Molded Case Circuit Breakers and Circuit Breaker Enclosures
- Canadian Standards Association  
CSA 22.2 No. 5 . . . . . Molded Case Circuit Breakers
- National Electrical Manufacturers Association (NEMA):  
AB-1 . . . . . 1975 Standard Publication  
Molded Case Circuit Breakers

### Selection

To insure proper circuit protection when selecting FUJI Series BU MCCB's the following circuit characteristics must be considered.

- Circuit voltage
- Continuous load current
- Circuit frequency
- Number of poles
- Interrupting rating required (available short-circuit current)
- Unusual operating conditions (ambient temperature, duty cycle, altitude, indoor/outdoor operation, etc.)

### National Electrical Code

A specific ampere rating for a certain application should be selected depending on the type of load and duty cycle in accordance with the National Electrical Code.

The N.E.C. states that overcurrent protection should be provided at the point of power supply and also at points where the wire sizes are reduced in accordance with NEMA and UL requirements. Furthermore, the Code stipulates that the conductors be protected according to their current-carrying capacity, but lists exceptions for application such as motor circuits where a larger rating may be allowed to override motor inrush currents during starting.

The following outline of N.E.C. articles and tables are provided for guidelines in applying molded case circuit breakers to various types of circuits and services.

**Service:** A service is defined as including the equipment and conductors for distributing the electrical energy from the supply source to the wiring system of the premises served.

**References:** N.E.C. Articles 230-1 through 230-98

**Feeder Circuits:** Feeders are conductors in a wiring system used between the service or generating equipment and the branch circuit overcurrent devices.

**References:** N.E.C. Articles 220-10  
N.E.C. Articles 430-61 through 430-63  
N.E.C. Tables 310-16 through 310-19

**Branch Circuits:** Branch circuits are any portion of a wiring system extending beyond the final overcurrent device protecting the circuit.  
Typical types of branch circuits are: lighting, motor, capacitor and transformer circuits.

**Lighting Circuit References:** N.E.C. Tables 310-16 through 310-19

**Motor Circuit References:** N.E.C. Articles 430-51 through 430-54  
N.E.C. Article 430-110  
N.E.C. Tables 430-152

**Capacitor Circuit Reference:** N.E.C. Article 460-8

**Transformer Circuit Reference:** N.E.C. Article 450-3

# CAT. NO. INFORMATION

## Complete circuit breakers

BU - E S B 3 015 M L W F 4

Basic type \_\_\_\_\_

Ampere frame \_\_\_\_\_

E: 100A  
F: 150A  
G: 225A  
J: 250A  
K: 400A  
L: 600A  
M: 800A  
N: 1200A

Series \_\_\_\_\_

C: General purpose lighting circuit breakers (240V AC)  
D: General purpose lighting circuit breakers (240V AC)  
S: Standard industrial circuit breakers (600V AC)  
H: High interrupting rated circuit breakers (600V AC)

Revised mark \_\_\_\_\_

No. of poles \_\_\_\_\_

2: 2-pole  
3: 3-pole

Trip ampere ratings \_\_\_\_\_

005: 5A  
015: 15A  
100: 100A  
800: 800A  
120: 1200A

Modifications \_\_\_\_\_

D: DC only

L: Line and load terminal connectors \_\_\_\_\_

X: Load terminal connector only

Y: Line terminal connector only

Internal accessory (Factory modifications) \_\_\_\_\_

W: Auxiliary switch

V: Double auxiliary switch

K: Alarm switch

F: Shunt trip device \_\_\_\_\_

R: Undervoltage release

4: 480V AC    G: 250V DC  
2: 240V AC    J: 125V DC  
B: 208V AC    P: 60V DC  
1: 120V AC    N: 48V DC  
6: 60V AC    M: 24V DC  
7: 48V AC    Q: 12V DC  
8: 24V AC

① • 100-400AF: These circuit breakers can be modified in FUJI factory or recognized factories — customer's field modifications are not authorized.

• 600-1200AF: These circuit breakers can be modified in field by qualified personnel

## Frame only

BU-LSB 3 F 600

Breaker type \_\_\_\_\_

No. of poles \_\_\_\_\_

2: 2-pole  
3: 3-pole

F: Frame only \_\_\_\_\_

Frame ampere ratings \_\_\_\_\_

600: 600A  
800: 800A  
120: 1200A

## Trip unit only

BU-LSB 3 T 250 M

Breaker type \_\_\_\_\_

No. of poles \_\_\_\_\_

2: 2-pole  
3: 3-pole

T: Trip unit only \_\_\_\_\_

Trip ampere ratings \_\_\_\_\_

250: 250A  
800: 800A  
120: 1200A

Modifications \_\_\_\_\_

M: Magnetic only

② EC: BU-ECA  
FH: BU-ESB, BU-FSB, BU-FHB  
GD: BU-GCA, BU-GDA  
KH: BU-JSB, BU-JHB, BU-KDA, BU-KSB, BU-KHB  
LH: BU-LSB, BU-LHB  
NH: BU-MSB, BU-MHB  
BU-NSB, BU-NHB

③ EC: BU-ECA  
FH: BU-ESB, BU-FSB, BU-FHB  
GD: BU-GCA, BU-GDA  
JH: BU-JSB, BU-JHB  
KH: BU-KDA, BU-KSB, BU-KHB  
LH: BU-LSB, BU-LHB  
MH: BU-MSB, BU-MHB  
NH: BU-NSB, BU-NHB

④ EC: BU-ECA  
GD: BU-ESB, BU-FSB, BU-FHB, BU-GCA, BU-GDA  
KH: BU-JSB, BU-JHB, BU-KDA, BU-KSB, BU-KHB  
LH: BU-LSB, BU-LHB  
NH: BU-MSB, BU-MHB, BU-NSB, BU-NHB

# TERMS AND CONDITION OF SALE

## Accessories (Internal)<sup>1</sup>

### Auxiliary and alarm switch

BU- W FH

Accessory type \_\_\_\_\_

W: Auxiliary switch

V: Double auxiliary switch

K: Alarm switch

WK: Auxiliary and alarm switch

VK: Double auxiliary switch and alarm switch

Breaker type<sup>②</sup> \_\_\_\_\_

The information and prices in this catalog are applicable to the United States of America and are subject to conditions and terms of sales of Fuji Electric Corp. of America, and their authorized representatives.

### PRICES:

Prices shown are in U.S. Dollars (\$) and are subject to Discount Schedules FB issued by Fuji Electric Corp. of America.

### SHIPMENTS:

When products are sold by Fuji Electric Corp. of America for delivery within the continental United States, shipments will be made FOB point of origin in the U.S.

### PACKING:

Prices include standard domestic or export packing. Additional special packing costs required for export or customer requirements will be charged to the customer.

### MINIMUM ORDERS:

Orders amounting to less than \$150.00 net per order will be charged at \$150.00 net per order plus freight and other charges.

### WEIGHTS AND DIMENSIONS:

The weight and dimensions of products described in this catalog are the best information available at the time of going to press. As Fuji Electric follows a policy of continuous product improvement, design changes may make this information obsolete. Please confirm details before planning actual construction. Information and prices in this catalog and separately published discount schedules are subject to change without notice.

The possession of this catalog by any person shall not be construed as an offer to sell him or anyone else, the goods listed therein at the prices stated. Please contact Fuji Electric Corp. of America or their nearest representative when specific quotations are required.

### Shunt trip and UV release

BU- F FH 480 A

Accessory type \_\_\_\_\_

F: Shunt trip device

R: Undervoltage release

Breaker type<sup>②</sup> \_\_\_\_\_

Volts

480: 480V 240: 240V 120: 120V \_\_\_\_\_

A: AC D: DC \_\_\_\_\_

## Accessories (External)

### Terminal connectors

BU- T A 100

Terminal connector \_\_\_\_\_

Wire type \_\_\_\_\_

A: Al/Cu C: Cu

Ampere rating \_\_\_\_\_

100: 100A 150: 150A

### Terminals

BU- S 10 3 R

Terminal \_\_\_\_\_

Ampere ratings \_\_\_\_\_

10: 100A 60: 600A

15: 150A 80: 800A

20: 200A 120: 1200A

40: 400A

No. of poles \_\_\_\_\_

2: 2-pole

3: 3-pole

Location (150 ampere rating only) \_\_\_\_\_

R: Line side

U: Load side

### Handle mechanisms

BU- G EC

Handle operator \_\_\_\_\_

G: G type handle operator

Breaker type<sup>④</sup> \_\_\_\_\_

# Series BU Circuit Breakers

**Your local authorized stocking distributor is:**

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## **Fuji Electric Co., Ltd.**

12-1 Yurakucho 1-chome, Chiyoda-ku,  
Tokyo, 100 Japan  
Phone: Tokyo 3211-7111  
Facsimile: Tokyo 3211-7983  
Telex: J22331 FUJIELEA, FUJIELEB

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Park 80 West Plaza II  
Saddle Brook, NJ 07662  
Phone: (201) 712-0555  
Facsimile: (201) 368-8258





Revised May 2009  
Fuji Electric Corp of America, D&C Dep.

		BU series (Discontinue product)						G-TWIN series							BU-C series						
Frame size (A)	Poles	Type	Rated I.C (kA)	Rated Current (A)	Dimensions (mm)			Type	Rated I.C (kA)	Rated Current (A)	Dimensions (mm)			Type	Rated I.C (kA)	Rated Current (A)	Dimensions (mm)				
			240V		W	H	D		240V		W	H	D		240V		W	H	D		
100	2	BU-ESB2	22	15,20,25,30,35,40,45,50,60	105	168	86	BW125JAGU-2P  (BW125RAGU-2P)	50  (100)	15,20,30,40,50,60	60  (90)	171 (171)	68 (68)	BU2EHC	18	15,20,25,30,35,40,45,50,60	70	160	86		
				70						70											
				80,90						80,90											
				100						100											
	3	BU-ESB3	22	15,20,25,30,35,40,45,50,60	105	168	86	BW125JAGU-3P	50	15,20,30,40,50,60	90	171	68	BU3EHC	18	15,20,25,30,35,40,45,50,60	105	160	86		
				70						70											
				80,90						80,90											
				100						100											
150	2	BU-FSB2	30	15,20,25,30,35,40,45,50,60	105	168	86	BW125JAGU-2P  (BW125RAGU-2P)	50  (100)	15,20,30,40,50,60	60  (90)	171 (171)	68 (68)	BU2FHC	65	15,20,25,30,35,40,45,50,60	105	160	86		
				70						70											
				80,90						80,90											
				100						100											
				125,150				BW250JAGU-2P	50	125,150,160,175,200 225,250	105	181	68	N/A							
	3	BU-FSB3	30	15,20,25,30,35,40,45,50,60	105	168	86	BW125JAGU-3P	50	15,20,30,40,50,60	90	155	60	BU3FHC	65	15,20,25,30,35,40,45,50,60	105	160	86		
				70						70											
				80,90						80,90											
				100						100											
				125,150				BW250JAGU-3P	50	125,150,160,175,200 225,250	105	181	68	42	125,150						
150	2	BU-FHB2	65	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-2P	100	15,20,30,40,50,60	90	171	68	BU2FHC	65	15,20,25,30,35,40,45,50,60	105	160	86		
				70						70											
				80,90						80,90											
				100						100											
				125,150				BW250RAGU-2P	100	125,150,160,175,200,225,250	105	181	68	N/A							
	3	BU-FHB3	65	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-3P	100	15,20,30,40,50,60	90	171	68	BU3FHC	65	15,20,25,30,35,40,45,50,60	105	160	86		
				70						70											
				80,90						80,90											
				100						100											
125,150	BW250RAGU-3P	100	125,150,160,175,200,225,250	105	181	68	N/A														

Revised May 2009  
Fuji Electric Corp of America, D&C Dep.

		BU series (Discontinue product)						G-TWIN series						BU-C series					
Frame size (A)	Poles	Type	Rated I.C (kA)	Rated Current (A)	Dimensions (mm)			Type	Rated I.C (kA)	Rated Current (A)	Dimensions (mm)			Type	Rated I.C (kA)	Rated Current (A)	Dimensions (mm)		
			480V		W	H	D				W	H	D				480V	W	H
100	2	BU-ESB2	14	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-2P	50	15,20,30,40,50,60	90	171	68	BU2EHC	14	15,20,25,30,35,40,45,50,60	70	160	86
				70						70,75						70			
				80,90						80,90						80,90			
				100						100,125						100			
	3	BU-ESB3	14	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-3P	50	15,20,30,40,50,60	90	171	68	BU3EHC	14	15,20,25,30,35,40,45,50,60	105	160	86
				70						70,75						70			
				80,90						80,90						80,90			
				100						100,125						100			
150	2	BU-FSB2	22	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-2P	50	15,20,30,40,50,60	90	171	68	BU2FHC	25	15,20,25,30,35,40,45,50,60	105	160	86
				70						70,75						70			
				80,90						80,90						80,90			
				100						100,125						100			
				125,150						BW250JAGU-2P						30			
	225,250																		
	3	BU-FSB3	22	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-3P	50	15,20,30,40,50,60	90	171	68	BU3FHC	25	15,20,25,30,35,40,45,50,60	105	160	86
				70						70,75						70			
				80,90						80,90						80,90			
				100						100,125						100			
125,150				BW250JAGU-3P				30	125,150,160,175,200	105	181	68	N/A						
225,250																			
150	2	BU-FHB2	25	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-2P	50	15,20,30,40,50,60	90	171	68	BU2FHC	25	15,20,25,30,35,40,45,50,60	105	160	86
				70						70,75						70			
				80,90						80,90						80,90			
				100						100,125						100			
				125,150						BW250JAGU-2P						30			
	3	BU-FHB3	25	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-3P	50	15,20,30,40,50,60	90	171	68	BU3FHC	25	15,20,25,30,35,40,45,50,60	105	160	86
				70						70,75						70			
				80,90						80,90						80,90			
				100						100,125						100			
125,150				BW250JAGU-3P				30	125,150,160,175,200,225,250	105	181	68	N/A						
N/A																			

# Replacement for BU series (ESB/FSB/FHB ) - 600Y/347VAC application

Revised May 2009  
Fuji Electric Corp of America, D&C Dep.

		BU series (Discontinue product)						G-TWIN series						BU-C series					
Frame size (A)	Poles	Type	Rated I.C (kA)	Rated Current (A)	Dimensions (mm)			Type	Rated I.C (kA)	Rated Current (A)	Dimensions (mm)			Type	Rated I.C (kA)	Rated Current (A)	Dimensions (mm)		
			600V		W	H	D		600Y/347V		W	H	D		600V		W	H	D
100	2	BU-ESB2	14	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-2P	18	15,20,30,40,50,60	90	171	68	BU2EHC	14	15,20,25,30,35,40,45,50,60	70	160	86
				70						70,75						70			
				80,90						80,90						80,90			
				100						100,125						100			
	3	BU-ESB3	14	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-3P	18	15,20,30,40,50,60	90	171	68	BU3EHC	14	15,20,25,30,35,40,45,50,60	105	160	86
				70						70,75						70			
				80,90						80,90						80,90			
				100						100,125						100			
150	2	BU-FSB2	14	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-2P	18	15,20,30,40,50,60	90	171	68	BU2FHC	18	15,20,25,30,35,40,45,50,60	105	160	86
				70						70,75						70			
				80,90						80,90						80,90			
				100						100,125						100			
				125,150				BW250RAGU-2P	25	125,150,160,175,200	105	181	68	BU-JSB2	22	125,150,175,200,225	140	257	103
										225,250						250			
	3	BU-FSB3	14	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-3P	18	15,20,30,40,50,60	90	171	68	BU3FHC	18	15,20,25,30,35,40,45,50,60	105	160	86
				70						70,75						70			
				80,90						80,90						80,90			
				100						100,125						100			
				125,150				BW250RAGU-3P	25	125,150,160,175,200	105	181	68			125,150			
										225,250									
150	2	BU-FHB2	18	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-2P	18	15,20,30,40,50,60	90	171	68	BU2FHC	18	15,20,25,30,35,40,45,50,60	105	160	86
				70						70,75						70			
				80,90						80,90						80,90			
				100						100,125						100			
				125,150				BW250RAGU-2P	25	125,150,160,175,200	105	181	68	BU-JSB2	22	125,150,175,200,225	140	257	103
										225,250						250			
	3	BU-FHB3	18	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-3P	18	15,20,30,40,50,60	90	171	68	BU3FHC	18	15,20,25,30,35,40,45,50,60	105	160	86
				70						70,75						70			
				80,90						80,90						80,90			
				100						100,125						100			
				125,150				BW250RAGU-3P	25	125,150,160,175,200	105	181	68			125,150			
										225,250									

# Replacement for BU series (ESB/FSB/FHB ) - 600VAC application

Revised May 2009  
Fuji Electric Corp of America, D&C Dep.

		BU series (Discontinue product)						G-TWIN series						BU-C series						
Frame size (A)	Poles	Type	Rated I.C (kA)	Rated Current (A)	Dimensions (mm)			Type	Rated I.C (kA)	Rated Current (A)	Dimensions (mm)			Type	Rated I.C (kA)	Rated Current (A)	Dimensions (mm)			
			600V		W	H	D		600V		W	H	D		600V		W	H	D	
100	2	BU-ESB2	14	15,20,25,30,35,40,45,50,60	105	168	86						BU2EHC	14	15,20,25,30,35,40,45,50,60			70	160	86
				70											70					
				80,90											80,90					
				100											100					
	3	BU-ESB3	14	15,20,25,30,35,40,45,50,60	105	168	86						BU3EHC	14	15,20,25,30,35,40,45,50,60			105	160	86
				70											70					
				80,90											80,90					
				100											100					
150	2	BU-FSB2	14	15,20,25,30,35,40,45,50,60	105	168	86						BU2FHC	18	15,20,25,30,35,40,45,50,60			105	160	86
				70											70					
				80,90											80,90					
				100											100					
				125,150																
	3	BU-FSB3	14	15,20,25,30,35,40,45,50,60	105	168	86						BU3FHC	18	15,20,25,30,35,40,45,50,60			105	160	86
				70											70					
				80,90											80,90					
				100											100					
				125,150											125,150					
150	2	BU-FHB2	18	15,20,25,30,35,40,45,50,60	105	168	86						BU2FHC	18	15,20,25,30,35,40,45,50,60			105	160	86
				70											70					
				80,90											80,90					
				100											100					
				125,150																
	3	BU-FHB3	18	15,20,25,30,35,40,45,50,60	105	168	86						BU3FHC	18	15,20,25,30,35,40,45,50,60			105	160	86
				70											70					
				80,90											80,90					
				100											100					
				125150											125,150					



Replacement for BU series (FHB ) - 125/250VDC application

Revised July 2008  
Fuji Electric Corp of America, D&C Dep.

		BU series (Discontinue product)							G-TWIN series							BU-C series						
Frame size (A)	Poles	Type	Rated I.C (kA)		Rated Current (A)	Dimensions (mm)			Type	Rated I.C (kA)		Rated Current (A)	Dimensions (mm)			Type	Rated I.C (kA)		Rated Current (A)	Dimensions (mm)		
			DC125/250V	DC250V		W	H	D		DC125/250V	DC250V		W	H	D		DC125/250V	DC250V		W	H	D
150	2	BU-FHB2	10	-	15,20,25,30,35,40,45,50,60	105	168	86	BW125RAGU-2P	10	-	15,20,30,40,50,60	90	171	68	BU2FHC	20	-	15,20,25,30,35,40,45,50,60	105	165.5	86
					70				70,75	70												
					80,90				80,90	80,90												
					100				100,125	100												
					125,150																	
					BW250JAGU-2P				10	-	125,150,160,175,200,225,250	105	181	68	BU-JHB2	10	10	125,150	140	257	103	

# Replacement for BU series(ESB/FSB/FHB) -Accessories-

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Accessories name	G-TWIN / BU-C series		BU series (Discontinued)		Exchangeable	
	Breaker type	Accessories part#	Breaker type	Accessories part#	BU accessories SA-UL/BU-C	SA-UL/BU-C accessories BU
Operating Handle	N	BW125JAGU-2P	Not available	BU-ESB2	N-13A-Q-00905	No
		BW125JAGU-3P	BW9N0CA	BU-ESB3		
		BW125RAGU-2P				
		BW125RAGU-3P				
		BU2EHC	BZ0NFH			
		BU3EHC				
		BU2FHC	BZ0NFH	BU-FSB2	N-13A-Q-00905	No
		BU3FHC		BU-FSB3		No
		BW250JAGU-2P	BW9N0GA	BU-FHB2	N-13A-Q-00905	No
		BW250JAGU-3P		BU-FHB3		No
Operating Handle	V	BW125JAGU-2P	Not available	BU-ESB2	—	No
		BW125JAGU-3P	BW9V0CA	BU-ESB3		
		BW125RAGU-2P				
		BW125RAGU-3P				
		BU2EHC	BZ0VFH			
		BU3EHC				
		BU2FHC	BZ0VFH	BU-FSB2	—	No
		BU3FHC		BU-FSB3		No
		BW250JAGU-2P	BW9V0GA	BU-FHB2	—	No
		BW250JAGU-3P		BU-FHB3		No
Operating Handle	G	BW125JAGU-2P	Not available	BU-ESB2	BU-GGD	No
		BW125JAGU-3P		BU-ESB3		
		BW125RAGU-2P				
		BW125RAGU-3P				
		BU2EHC	Not available			
		BU3EHC				
		BU2FHC	Not available	BU-FSB2	BU-GGD	No
		BU3FHC		BU-FSB3		No
		BW250JAGU-2P	Not available	BU-FHB2	BU-GGD	No
		BW250JAGU-3P		BU-FHB3		No
Terminal Cover		BW125JAGU-2P	Short type	BU-ESB2	BU-CFHA	No
		BW125JAGU-3P	(Gray-white)	BU-ESB3		No
		BW125RAGU-2P	* provided with breaker			
		BW125RAGU-3P				
		BW125JAGU-2P	Long tyoe			
		BW125JAGU-3P	(Gray-white)			
		BW125RAGU-2P				
		BW125RAGU-3P				
		BU2EHC	BZ-CFHB-2		BU-CFHA	No
		BU3EHC	BZ-CFHB-3			No
		BU2FHC	BZ-CFHB-3	BU-FSB2		No
		BU3FHC		BU-FSB3		No
		BW250JAGU-2P	Short type	BU-FHB2	BU-CFHA	No
		BW250JAGU-3P	(Gray-white)	BU-FHB3		No
		BW250RAGU-2P	* provided with breaker			
		BW250RAGU-3P				
		BW250JAGU-2P	Long type			
		BW250JAGU-3P	(Gray-white)			
		BW250RAGU-2P				
		BW250RAGU-3P				

# Replacement for BU series(ESB/FSB/FHB) -Accessories-

Revised May 2009, FECOA D&C Dep.

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Accessories name	G-TWIN / BU-C series		BU series (Discontinued)		Exchangeable	
	Breaker type	Accessories part#	Breaker type	Accessories part#	BU accessories SA-UL/BU-C accessories BU	
Insulation Barrier	BW125JAGU-2P	BW9BPCA	BU-ESB2	B-13A	No	No
	BW125JAGU-3P	* provided with breaker	BU-ESB3			
	BW125RAGU-2P					
	BW125RAGU-3P					
	BU2EHC	Not available				
	BU3EHC					
	BU2FHC	Not available	BU-FSB2	B-13A	No	No
	BU3FHC		BU-FSB3			
	BW250JAGU-2P	BW9BPGA	BU-FHB2	B-13A	No	No
	BW250JAGU-3P	* provided with breaker	BU-FHB3			
Lug Terminal Kit	BW125JAGU-2P	BW9WSL0CA-3 GLOBAL	BU-ESB2	BU-TA100	No	No
	BW125JAGU-3P		BU-ESB3			
	BW125RAGU-2P					
	BW125RAGU-3P					
	BU2EHC	To be advised				
	BU3EHC					
	BU2FHC	To be advised	BU-FSB2	BU-TA100	No	No
	BU3FHC		BU-FSB3			
	BW250JAGU-2P	BW9WSL0GA-3 GLOBAL (125-175A)	BU-FHB2	BU-TA100	No	No
	BW250JAGU-3P	BW9WSL1GA-3 GLOBAL (200-250A)	BU-FHB3			
Flat Terminal	BW125JAGU-2P	BW9S0CA-3 GLOBAL	BU-ESB2	LINE:BU-S152R LOAD:BU-S152U	No	No
	BW125JAGU-3P					
	BW125RAGU-2P		BU-ESB3	LINE:BU-S153R LOAD:BU-S153U	No	No
	BW125RAGU-3P					
	BU2EHC	BU-S102B				
	BU3EHC	BU-S103B				
	BU2FHC	BU-S102B	BU-FSB2	LINE:BU-S152R LOAD:BU-S152U	No	No
	BU3FHC	BU-S103B				
	BW250JAGU-2P	BZ-S50B-2253 GLOBAL	BU-FSB3	LINE:BU-S153R LOAD:BU-S153U	No	No
	BW250JAGU-3P					
Handle locking key	BW125JAGU-2P	BW9Q1CA	BU-ESB2	BU-ESB_Q1	No	No
	BW125JAGU-3P		BU-ESB3			
	BW125RAGU-2P					
	BW125RAGU-3P					
	BU2EHC	Not available				
	BU3EHC					
	BU2FHC	Not available	BU-FSB2	BU-FSB_Q1	No	No
	BU3FHC		BU-FSB3			
	BW250JAGU-2P	BW9Q1CA	BU-FHB2	BU-FHB_Q1	No	No
	BW250JAGU-3P		BU-FHB3			
Handle locking key	BW125JAGU-2P	BW9Q2CA	BU-ESB2	BU-ESB_Q2	No	No
	BW125JAGU-3P		BU-ESB3			
	BW125RAGU-2P					
	BW125RAGU-3P					
	BU2EHC	Not available				
	BU3EHC					
	BU2FHC	Not available	BU-FSB2	BU-FSB_Q2	No	No
	BU3FHC		BU-FSB3			
	BW250JAGU-2P	BW9Q2GA	BU-FHB2	BU-FHB_Q2	No	No
	BW250JAGU-3P		BU-FHB3			
Handle locking key	BW250RAGU-2P					
	BW250RAGU-3P					