

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *ABB A9-30-10* at our website: ***Click HERE***

ELFA MINIATURE CIRCUIT BREAKERS



Standard Accesories

CATALOG NO.	ITEM	LIST
M ELFA-714	3 Phase Bus connection 39 inches (1000 mm)	$101.00
M ELFA-085	Protective Cap for Finger Safe	$ 1.70
M ELFA-760	Bus Bar End Cap	$ 2.30
M ELFA-947	Terminal for Bus Bar	$ 4.00
M ELFA-940	Lock Out for 1, 2, 3, pole	$ 14.00
M ELFA-80904	Enclosure for up to 4 Poles*	$ 90.00
M ELFA-80906	Enclosure for 6 Poles*	$130.00

* Includes Lid over Breaker Handle. Discount Schedule M
* Meets IP 557 dust tight, rain tight - All directions.

6. The modular equipment program
Elfa miniature circuit breakers can be combined with residual-current trips, remote-control drives and auxiliary contacts. As variants they are also intended for direct-current systems, marine construction and railway engineering as well as for plants at increased ambient temperatures.

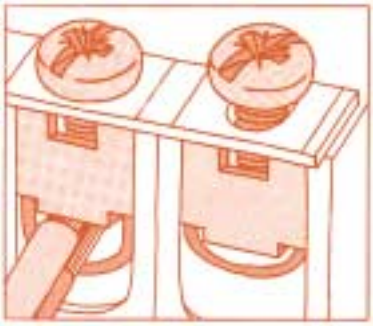
Your advantage
Using the complete delivery program widely different duties can be rationally and economically performed by compact equipment combinatons. Supplementary elements can be fitted on later.

7. The remote-control facility
Elfa miniature circuit breakers up to 63 A current rating with remote-control drive can be switched on and off over distances by press of a button.

Your Advantage
Elfa minature circuit breakers do not have to be mounted within hand reach.

8. The input terminal
The large-sized input box terminal permits both the connection of conductors up to 35 mm^2 , (#2 AWG) and simultaneous busbar connection. Elfa minature circuit breakers of more than 63 A current rating can even clamp conductors up to 70 mm^2, (#2/0 AWG).

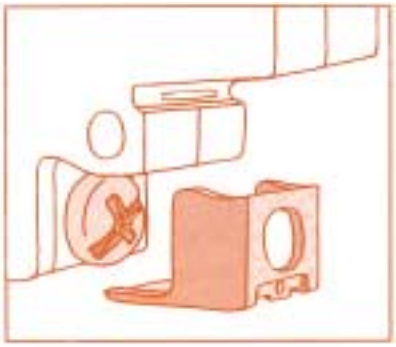
Your advantage
Elfa minature circuit breakers save supplementary terminals and reduce installation costs.



9. The output terminal
Elfa miniature circuit breakers have box terminals that are safe to the touch and open as delivered for conductor cross-sections of at least 25 mm^2, (# 18-4 AWG).

Your Advantage
Short installation times and simple wiring of multistrand conductors.

10. The protective cover
Elfa miniature circuit breakers rated up to 63 A are provided with protective covers on the output terminal, thus providing protection against physical contact in accordance with the relevant standards.



11. The operating toggle
Elfa minature circuit breakers have color coded switch position indicators. If the green marking is visible, the switch conatcts are open, if the red marking is visible, the switch conatcts are closed.



APPROVALS

UL (UL 1077), CSA RATINGS
277/480 VAC (0.5 TO 63A) @ 10KA
347/600 VAC (0.5 TO 32A) @ 2KA

Approvals International Type E80 and E80S Breakers are used worldwide and meet international standards:
CE, IEC, VDE, OVE, SEV, CEBEC, KEMA, BS, DEMKO, SEMKO, NEMKO, SETI, IMQ, UNESA, LRS, BV, GL, USSR, ROS, DNV.

European Standard Ratings
240/415 VAC, 6 to 110 Volt DC

UL 1077 Standard for Supplementary Equipment. UL 1077 is used for over current protection within electrical equipment, where branch circuit protection is already provided or not required.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

ELFA MINIATURE CIRCUIT BREAKERS

1 Pole



2 Pole



3 Pole



TYPE E 80S, 1, 2, 3 Pole

"B" Trip Characteristic (10 KA)				"C Trip Characteristic (10 KA)				"D" Trip Characteristic (10 KA)			
Amps	**Catalog No.**	**List Each**	**Pack Qty.**	**Amps**	**Catalog No.**	**List Each**	**Pack Qty.**	**Amps**	**Catalog No.**	**List Each**	**Pack Qty.**
-	-			0.5	ME81S C0.5	$40	10	0.5	ME81S D0.5	$45	10
-	-			1	ME81S C1	$40	10	1	ME81S D1	$45	10
-	-			2	ME81S C2	$40	10	2	ME81S D2	$45	10
-	-			3	ME81S C3	$40	10	3	ME81S D3	$45	10
-	-			4	ME81S C4	$40	10	4	ME81S D4	$45	10
-	-			5	ME81S C5	$40	10	5	ME81S D5	$45	10
6	ME81S B6		10	6	ME81S C6	$40	10	6	ME81S D6	$45	10
10	ME81S B10		10	10	ME81S C10	$40	10	10	ME81S D10	$45	10
13	ME81S B13	Same	10	13	ME81S C13	$40	10	13	ME81S D13	$45	10
-	-	List as		15	ME81S C15	$40	10	15	ME81S D15	$45	10
16	ME81S B16	"C" Trip	10	16	ME81S C16	$40	10	16	ME81S D16	$45	10
20	ME81S B20		10	20	ME81S C20	$40	10	20	ME81S D20	$45	10
25	ME81S B25		10	25	ME81S C25	$42	10	25	ME81S D25	$47	10
-	-			30	ME81S C30	$44	10	30	ME81S D30	$49	10
32	ME81S B32		10	32	ME81S C32	$44	10	32	ME81S D32	$49	10
40	ME81S B40		10	40	ME81S C40	$48	10	-	-	-	
50	ME81S B50		10	50	ME81S C50	$52	10	50	*ME881S D50	$105	8
-	-			60	ME81S C60	$68	10	-	-	-	
63	ME81S B63		10	63	ME81S C63	$68	10	63	*ME881S D63	$105	8
80	*ME881S B80		8	80	*ME881S C80	$107	8	80	*ME881S D80	$112	8
100	*ME881S B100		8	100	*ME881S C100	$113	8	100	*ME881S D100	$118	8
125	*ME881S B125		8	125	*ME881S C125	$151	8	-	-	-	
-	-			0.5	ME82S C0.5	$84	6	0.5	ME82S D0.5	$94	6
-	-			1	ME82S C1	$84	6	1	ME82S D1	$94	6
-	-			2	ME82S C2	$84	6	2	ME82S D2	$94	6
-	-			3	ME82S C3	$84	6	3	ME82S D3	$94	6
-	-			4	ME82S C4	$84	6	4	ME82S D4	$94	6
-	-			5	ME82S C5	$84	6	5	ME82S D5	$94	6
6	ME82S B6		6	6	ME82S C6	$84	6	6	ME82S D6	$94	6
10	ME82S B10		6	10	ME82S C10	$84	6	10	ME82S D10	$94	6
13	ME82S B13	Same	6	13	ME82S C13	$84	6	13	ME82S D13	$94	6
-	-	List as		15	ME82S C15	$84	6	15	ME82S D15	$94	6
16	ME82S B16	"C" Trip	6	16	ME82S C16	$84	6	16	ME82S D16	$94	6
20	ME82S B20		6	20	ME82S C20	$84	6	20	ME82S D20	$94	6
25	ME82S B25		6	25	ME82S C25	$90	6	25	ME82S D25	$100	6
-	-			30	ME82S C30	$94	6	30	ME82S D30	$104	6
32	ME82S B32		6	32	ME82S C32	$94	6	32	ME82S D32	$104	6
40	ME82S B40		6	40	ME82S C40	$102	6	-	-	-	
50	ME82S B50		6	50	ME82S C50	$110	6	50	*ME882S D50	$266	4
-	-			60	ME82S C60	$124	6	-	-	-	
63	ME82S B63		6	63	ME82S C63	$124	6	63	*ME882S D63	$266	4
80	*ME882S B80		4	80	*ME882S C80	$278	4	80	*ME882S D80	$288	4
100	*ME882S B100		4	100	*ME882S C100	$294	4	100	*ME882S D100	$304	4
125	*ME882S B125		4	125	*ME882S C125	$393	4	-	-	-	
-	-			0.5	ME83S C0.5	$146	4	0.5	ME83S D0.5	$161	4
-	-			1	ME83S C1	$146	4	1	ME83S D1	$161	4
-	-			2	ME83S C2	$146	4	2	ME83S D2	$161	4
-	-			3	ME83S C3	$146	4	3	ME83S D3	$161	4
-	-			4	ME83S C4	$146	4	4	ME83S D4	$161	4
-	-			5	ME83S C5	$146	4	5	ME83S D5	$161	4
6	ME83S B6		4	6	ME83S C6	$146	4	6	ME83S D6	$161	4
10	ME83S B10		4	10	ME83S C10	$146	4	10	ME83S D10	$161	4
13	ME83S B13	Same	4	13	ME83S C13	$146	4	13	ME83S D13	$161	4
-	-	List as		15	ME83S C15	$146	4	15	ME83S D15	$161	4
16	ME83S B16	"C" Trip	4	16	ME83S C16	$146	4	16	ME83S D16	$161	4
20	ME83S B20		4	20	ME83S C20	$146	4	20	ME83S D20	$161	4
25	ME83S B25		4	25	ME83S C25	$154	4	25	ME83S D25	$169	4
-	-			30	ME83S C30	$162	4	30	ME83S D30	$177	4
32	ME83S B32		4	32	ME83S C32	$162	4	32	ME83S D32	$177	4
40	ME83S B40		4	40	ME83S C40	$162	4	-	-	-	
50	ME83S B50		4	50	ME83S C50	$182	4	50	*ME883S D50	$408	2
-	-			60	ME83S C60	$204	4	-	-	-	
63	ME83S B63		4	63	ME83S C63	$204	4	63	*ME883S D63	$408	2
80	*ME883S B80		2	80	*ME883S C80	$416	2	80	*ME883S D80	$431	2
100	*ME883S B100		2	100	*ME883S C100	$444	2	100	*ME883S D100	$459	2
125	*ME883S B125		2	125	*ME883S C125	$589	2	-	-	-	

APPROVALS

UL/CSA

UL (UL 1077), CSA Ratings 277/480VAC (0.5A to 63A) @ 6KA, 10KA

*Not UL Recognized

For Technical Specifications, request EEControls catalog IC-8.

Also available upon request E80 type (6KA IC)

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

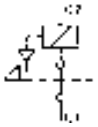
Accessories

Auxiliary Contact

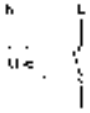




Shunt Trip



Undervoltage Trip



Remote Release (Shut Trip)		Catalog No.	List
24 to 48V AC/DC	(F4)	#M ELFA-549	$110
110 to 415V AC	(F5)	#M ELFA-550	110
Undervoltage Trip			
UVR 120V AC		#M ELFA-XXX	125
UVR 230V AC		#M ELFA-251	125

Auxiliary Contact Kit	Catalog No.	List
"H" 1 c/o for 0.5 to 63A	#M ELFA-441	$34
80 to 125A	#M ELFA-430	34
Fault Trip Auxiliary Contact Kit		
*S/H 1 c/o for 0.5 to 63A	#M ELFA-442	44
80 to 125A	#M ELFA-431	44
Field convertible from "S" (fault trip signal) to "H" (form C Aux contact)		

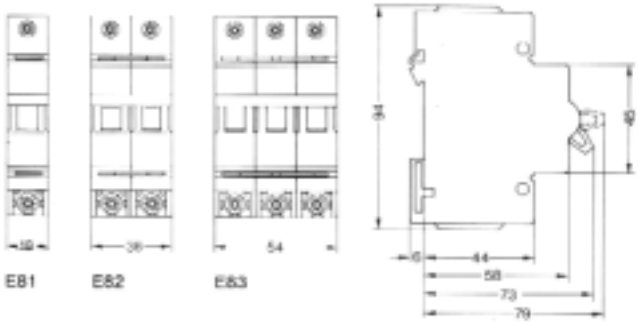
SH/HH (2 c/o) Combination Contact
Combination auxiliary SH/HH has one fault signal "S" and one aux. contact, both form C. The "S"signal contact is field convertible to a standard "H" auxiliary.

SH/HH (2 c/o) for 0.5 to 63A	#M ELFA-443	51

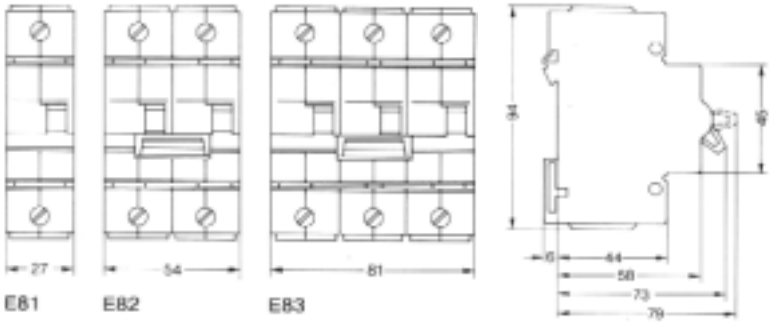
MINI BREAKERS

Dimensions (Approx.) mm (inch)

E81S, E82S, E83S - 0.5A TO 63A (B,C Trip)
D Trip -.5A TO 32A THEN E88 Series Dimensions



E881, E882, E883S - 80A TO 125A



Enclosures for ELFA

*For ground fault, **Motor Drives**, and complete technical specifications, contact factory*



M ELFA-80904

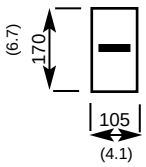


M ELFA-80906

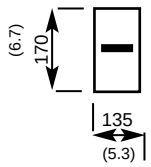
Part Number	Description	List Each
M ELFA-80904	Enclosure for up to 4 Pole*	$ 90.00
M ELFA-80906	Enclosure for up to 6 Pole*	$130.00

*Includes lid over breaker hanlde.
Meets IP557 dust tight and rain tight from all directions.

Enclosure Dimensions
M ELFA-



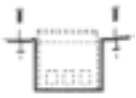
M ELFA-80904



M ELFA-80906

For ground fault, Motor Drives, and complete technical specifications, contact factory.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Item	Catalog Number	List Each
Three Phase busbar block, insulated 19 x 3 connections (Approx. 39" Busbar with 10 end caps)	M ELFA-714	$101.00
		
Busbar End Cap 3 Phase (10 pack)	M ELFA-760	$2.30
		
Toggle lock for series E80 (Lock out for 1,2,3 poles on A15)	M ELFA-940	$16.00
		
Contact-guard cover E80	M ELFA-085	$1.70
		
Sealing slide	M ELFA-084	$1.20
		
Front Mount Bracket for up to 3 poles	M ELFA-3FM	$30.00
		

Item	Catalog Number	List Each
Three Phase busbar insulated pin type = S		
2 x 3 connections	M ELFA-931	$ 9.00
4 x 3 connections	M ELFA-932	$16.00
2 x 3 x Hi connections	M ELFA-933	$10.00
4 x 3 x Hi connections	M ELFA-934	$17.00
2 x 3 x 1 + Hi connections	M ELFA-935	$10.00
3 x 3 x 1 + Hi connections	M ELFA-936	$17.00
		
Four pole busbar, insulated		
for type = G	M ELFA-937	$15.00
2 x 4 connections	M ELFA-938	$27.00
3 x 4 connections	M ELFA-939	$15.00
2 x 3 x 1 + N connections L1+N,L2+N,L3+N	M ELFA-940	$20.00
3 x 3 x 1 + N connections L1+N,L2+N,L3+N		
		
pin type = S	M ELFA-941	$15.00
2 x 4 connections	M ELFA-942	$27.00
3 x 4 connections	M ELFA-943	$15.00
2 x 3 x 1 + N connections L1+N,L2+N,L3+N	M ELFA-944	$27.00
3 x 3 x 1 + N connections		
		
Infeel terminals **fork type** 25mm² 	M ELFA-946	$ 4.00
pin type 25mm² 	M ELFA-947	$ 4.00
pin type long 25mm² 	M ELFA-948	$ 5.00
For fork and pin type 35mm² *alignable* 	M ELFA-949	$ 9.00

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com



SERIES GB-H INTERNATIONAL CIRCUIT BREAKER CE

HIGH SHORT CIRCUIT INTERRUPTION CAPACITY

- 100 Amp Frame
42 KA (480V) GB-H103
65kA Option GB-L103
- 250 Amp Frame
42 KA (480V) GB-H203
65kA Option GB-L203

12 Amp to 250 Amp
600 Volt

SERIES GB MOTOR CIRCUIT PROTECTORS

cUL

LG Industrial Systems

MULTIPLE LOAD RATINGS LOAD SWITCHING

- **Inductive**
- **General Purpose**
- **Motors**
- **Panels**

- **Adjustable Thermal Trip Setting**
- **Adjustable Instantaneous Trip Setting**

THE SOLUTION

FOR BETTER SYSTEM PROTECTION & PRODUCTIVITY



ADJUST TRIP POINT TO MATCH LOAD WITH SHORT CIRCUIT PROTECTION & ADJUSTABLE THERMAL PROTECTION

ELECTRICAL & ELECTRONIC CONTROLS, INC.
7 WEST CROSS ST
HAWTHORNE, NY 10532
914-769-5000 FAX 914-769-3641
E-MAIL: eec@eecontrols.com

EE CONTROLS, LTD
17 STEWART COURT
ORANGEVILLE, ONTARIO
CANADA L9W 3Z9
519-941-6845 FAX 519-940-0514
E-Mail: info@eecontrols.on.ca

EE CONTROLS

Bulletin GBH-8

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

INDEX

SERIES GB H - 42kA	Page
DESCRIPTION	2
CHARACTERISTICS	3
DESIGN	4
CERTIFICATIONS	5
ORDER INFORMATION	6
ACCESSORIES	7
SERIES GB L-65kA Option	8
OPERATOR HANDLES	9
INTERNATIONAL RATINGS	10, 11
DIMENSIONS	12
CHARACTERISTIC CURVES	13
SERIES GB L-E ELECTRONIC TRIP	14
SERIES AB *400, 800, 1200 Amp*	
HIGH POWER BREAKERS	15



SERIES GB H
12 to 100 Amp Frame
100 to 250 Amp Frame

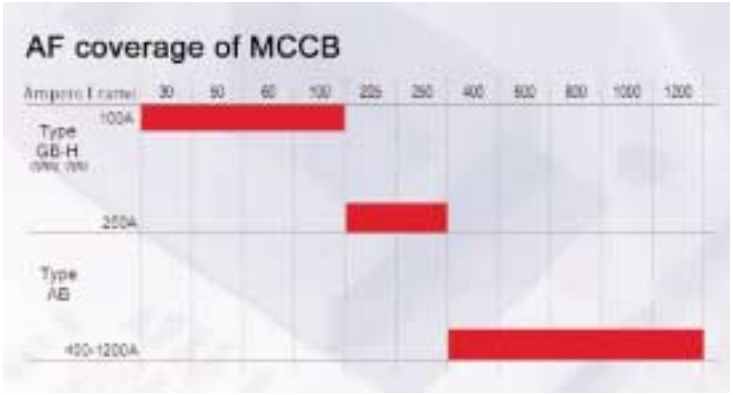
Manual Self Protected Control Device

Designed for the INDUSTRIAL CONTROL MARKETS, Series GB are molded case controllers that contain coordinated overload and short circuit protection.

Adjustable MCCB (GB-Type)
(100~250) Ampere Frame

- The type GB series was developed as an adjustable controller with high performance and multi-functions.
- Remarkable increased breaking capacity meets the modern application's needs in the trend of steadily increasing capacity of electrical systems.
- The rated current and instantaneous current are adjustable for close load control and stock management.
- A wide range of accessories are available for field or factory addition.

High performance and multi-functional MCCB to meet each customer's application.



This bulletin LG-GBH covers series GBH, 100Amp and 250Amp Frames. Series GBH has 42kA IC, and GBL has *extra high* IC capacity.

SERIES GBH WITH INTEGRATED MOTOR PROTECTION

TYPE GB-H CONTROLLER WITH ADJUSTABLE TRIPS INSTANTANEOUS AND THERMAL 600 VOLT A.C.

Description:
Series MEC type-GB H Molded Case Controllers are Modern Compact Heavy Duty Breakers, available in 2 frame sizes thru 250 Amp.

The Series GB H Controllers are designed for easy field addition of all common accessory elements including shunt trip, undervoltage trip, alarm trip aux. and extra auxiliary contacts.

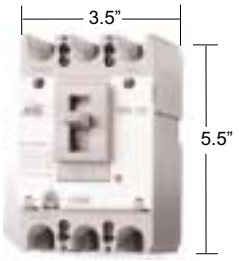
Integrated Motor Protection. Type GB H Controllers include adjustable thermal and adjustable magnetic trip, both combined in one housing. The adjustable thermal trip consists of 3 BiMetallic elements, factory precision calibrated and field adjustable to provide approved motor protection (UL 508). The 100 Amp frame is fixed magnetic trip. The 250 Amp frame has adjustable magnetic and thermal trip for more precise load protection.

Coordinated Trip Elements, Magnetic and Thermal. With both elements in the same housing, specific applications can be matched with one unit. The Type GB H then replace the old magnetic only breaker and the old separate O.L. heater block in one coordinated unit. This technique has been commonly used in throughout Europe and the rest of the world for many years and provides more precise load protection.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Type GB-H, COMPACT - MODERN DESIGN

2 Frame Sizes (100 AF, 250 AF)



100A Frame



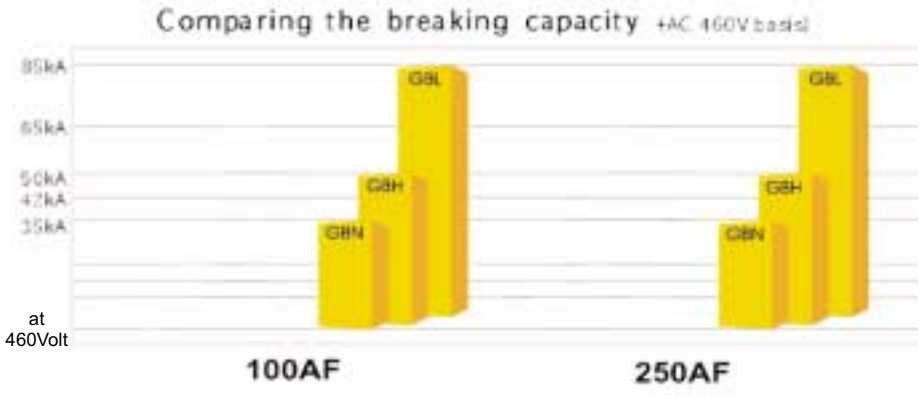
250A Frame

Test

- GBN=30kA @ 480V
  GBH=42kA @ 480V
  GBL=65kA @ 480V

KEMA Test

- In the optional 'L type', the max. breaking capacity is 85 (kA) at AC 460V.

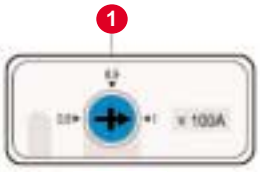


Adjustable Thermal Trip - Series GB-N, H, L

TMU type (Thermal magnetic trip unit)



100 Amp Frame



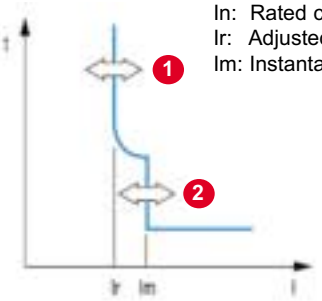


250 Amp Frame



1 Rated current regulating knob, In
3 steps: 0.8 / 0.9 / 1.0 x In

2 Instantaneous current (Im)
- Fixed instantaneous current type (100AF)
  : 10 x In (Min. 500A)
- Adjustable instantaneous current type (250AF)
  : 5 / 6 / 7 / 8 / 9 / 10 x In (6 steps)



In: Rated current
Ir: Adjusted thermal current
Im: Instantaneous current

AF (Frame)		100AF									250AF			
Trip unit		TMU16	TMU20	TMU25	TMU32	TMU40	TMU50	TMU63	TMU80	TMU100	TMU125	TMU160	TMU200	TM250
Ranges of the **In** ▲	0.8xIn	13	16	20	26	32	40	50	64	80	100	128	160	200
	0.9xIn	14	18	23	29	36	45	57	72	90	113	144	180	225
	1.0xIn	16	20	25	32	40	50	63	80	100	125	160	200	250
Ranges of the Im	▲ ▲	500A						10xIn			5, 6, 7, 8, 9, 10xIn			

▲ Thermal Current (In) ▲ ▲ Instantaneous Magnetic Trip (Im)

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

DESIGN BENEFITS

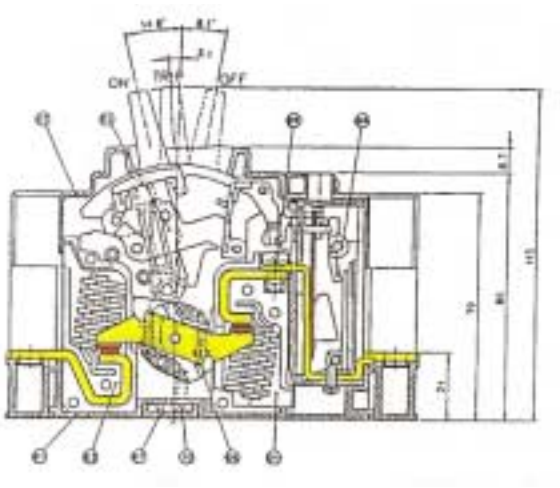
The most important design feature is the rotary contact assembly. To illustrate, note the cross section shown of the type GB H 100A Breaker and a photograph of the rotary contact switching head of the type GBH-250A. The design is state of the art, for Current Limiting Breakers.

• **THE MOMENT OF INERTIA** of a rotating bridge is significantly lower than that of a breaker with a linear motion bridge. Therefore the reaction to short circuit currents is much faster, which leads to better current limiting as well as shorter arc duration and substantially lower i^2t - values.

• **THE SINGLE AXIS OF ROTATION** provides both the fast short circuit reaction time as well as the normal switching function time.

• **BRANCH CIRCUIT DISCRIMINATION.** Since the operation is fast, Series GB are excellent branch circuit protective devices, which can be used either as manual controllers with full (adjustable) motor protection or in conjunction with a contactor. Series GB provides good discrimination from upstream circuit breakers or fuses as test oscillographs demonstrate. *See page GB-13 for time/current curve.*

The extra discrimination can be very helpful in **machine panel systems.**



GBH - 100A Cross Section

Easy to install accessories



- Trip Alarm Auxiliary
- Indicating Auxiliaries (On/Off)
- Shunt Trip Relay
- Undervoltage



- Easy to install and replace casette type accessories
- Common use of the general internal accessories (AX, AL, SHT, UVT) : 100A / 250AF common use

Actual Rotating Bridge shown below



GBH - 250A Rotary Contact Mechanism



Insulator Barriers

- Supplied as "Standard" to provide additional line to line protection



Ring Connection Compatible

RING TERMINALS
can be easily added to any GB Series Breaker



OLD Designs,
Complex with mulit parts and *not* thermal adjustable.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

SERIES GB-H CERTIFICATIONS

LG Industrial Systems

WORLD DESIGN ACCEPTANCE AN INTERNATIONAL DESIGN

APPLICATIONS

1. **As an Internationl Breaker**, 600 Volt Thermal Magentic CIRCUIT BREAKER per IEC 60947-2.
2. **As a Motor Controller** for multiple group loads certified tested for ***high interruption capacity circuits*** by UL (UL508).
3. **As a Manual Starter/Motor Disconnect** with short circuit and overload protection. Type GB-H controllers are designed and approved for multiple full load power switching.
4. **As a Panel Main Disconnect**, with adjustable short circuit and adjustable thermal overload protection.

CERTIFICATIONS

- Standard
  - IEC 60947-2
  - KSC 8321
- Certifications and approvals
  - CE
  - KEMA type test
  - ISO 9001 / 14001
  - UL 508, Manual Controller

KEMA TEST CERTIFICATES

ISO 9001
ISO 14001
KEMA

600 Volt UL508

Controller	Interruption Capacity
GB H 103 100 Amp Frame	42KA (480V)
GB H 203 250 Amp Frame	42KA (480V)
GB L 103 100 Amp Frame	65KA (480V)
GB L 203 250 Amp Frame	65KA (480V)

CERTIFIED INTERNATIONAL TEST LAB

KEMA Test Data

MAJOR Independent third party test laboratory. Certified IEC 60947-2 and CE.
KEMA Test Lab is an Interationally Approved Test Laboratory recognized and accepted internationally as the premier test facility. All Series GB Breakers are also CERTIFIED by KEMA.

SERIES GB H Ratings

Thermal Trip (Amp)	Magnetic Instantaneous Trip (Amp)*	General Purpose (Amp)	*600 Volt* Catalog No.	42kA Interrupting Capacity 480V	Horse Power Three Phase • 230v	460v	600v
100 Amp Frame							
12-16A	500A*	16	GB H 103-16A - 42KA	42kA	3/4	2	3
16-20A	500A*	20	GB H 103-20A - 42KA	42kA	1 1/2	3	5
20-25A	500A*	25	GB H 103-25A - 42KA	42kA	2	5	7 1/2
25-32A	500A*	32	GB H 103-32A - 42KA	42kA	3	7 1/2	10
32-40A	500A*	40	GB H 103-40A - 42KA	42kA	5	10	15
40-50A	500A*	50	GB H 103-50A - 42KA	42kA	7 1/2	15	20
50-63A	630A*	63	GB H 103-63A - 42KA	42kA	7 1/2	20	25
64-80A	800A*	80	GB H 103-80A - 42KA	42kA	10	20	30
80-100A	1000A*	100	GB H 103-100A - 42KA	42kA	10	30	40
250 Amp Frame ***Adjustable***							
100-125A	5x thru 10x A	125	GB H 203-125A - 42KA	42kA	15	40	50
125-160A	5x thru 10x A	160	GB H 203-160A - 42KA	42kA	20	40	60
160-200A	5x thru 10x A	200	GB H 203-200A - 42KA	42kA	25	60	75
200-250A	5x thru 10x A	250	GB H 203-250A - 42KA	42kA	30	75	100

• High Load Endurance

* GB-H 103 has Fixed Magnetic Trip and adjustable thermal trip.
GB-H 203 has Adjustable Thermal Trip and adjustable magnetic trip.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

SERIES GB-H
ORDER INFORMATION
OPEN TYPE

LG Industrial Systems

SERIES GB-H Order Part Numbers ***600 Volt Rated***
Breaking Capacity 42kA

• UL 508



Thermal Trip (Amp)	Magnetic Instantaneous Trip (Amp)	General Purpose (Amp)	Horse Power Three Phase • 230v	460v	600v	42kA Interrupting Capacity 480V	Open Type Catalog No.	List Each
100 Amp Frame								
12-16A	500A	16	3/4	2	3	42kA	GB H 103-16A - 42KA	$298
16-20A	500A	20	1 1/2	3	5	42kA	GB H 103-20A - 42KA	298
20-25A	500A	25	2	5	7 1/2	42kA	GB H 103-25A - 42KA	298
25-32A	500A	32	3	7 1/2	10	42kA	GB H 103-32A - 42KA	298
32-40A	500A	40	5	10	15	42kA	GB H 103-40A - 42KA	298
40-50A	500A	50	7 1/2	15	20	42kA	GB H 103-50A - 42KA	298
50-63A	630A	63	7 1/2	20	25	42kA	GB H 103-63A - 42KA	298
64-80A	800A	80	10	20	30	42kA	GB H 103-80A - 42KA	354
80-100A	1000A	100	10	30	40	42kA	GB H 103-100A - 42KA	354
250 Amp Frame Adjustable								
100-125A	5x thru 10x A	125	15	40	50	42kA	GB H 203-125A - 42KA	385
125-160A	5x thru 10x A	160	20	40	60	42kA	GB H 203-160A - 42KA	385
160-200A	5x thru 10x A	200	25	60	75	42kA	GB H 203-200A - 42KA	495
200-250A	5x thru 10x A	250	30	75	100	42kA	GB H 203-250A - 42KA	495

* GB-H 103 has Fixed Magnetic Trip and adjustable thermal trip.
GB-H 203 has Adjustable Thermal Trip and adjustable magnetic trip.

Motor Overload included is approved by UL (UL508).

---

600 Volt (Heavy Duty) "3 Pole"
Specifications:
- 12 - 250 Amp
- HP Rated through 100 HP
- 508 Listed Motor Circuit Protector
- Safety Door Interlock Handle (GB-VA11R Type) IP65
- Thermal and Magnetic Protection
- Padlockable Operator

SERIES GB-H
ENCLOSED TYPE

CE UL 508



NEMA 4/12
Metal Enclosed

Thermal Trip (Amp)	Magnetic Instantaneous Trip (Amp)	General Purpose (Amp)	Horse Power Three Phase • 230v	460v	600v	42kA Interrupting Capacity 480V	Enclosed Catalog No.	Nema 1/3R List Each -3R▲	Nema 4/12 List Each -4▲	NEMA 4X *Fiberglass* List Each -4X▲
100 Amp Frame										
12-16A	500A	16	3/4	2	3	42kA	GB H 103-16A - ▲	$630	$710	$690
16-20A	500A	20	1 1/2	3	5	42kA	GB H 103-20A - ▲	$630	$710	$690
20-25A	500A	25	2	5	7 1/2	42kA	GB H 103-25A - ▲	$630	$710	$690
25-32A	500A	32	3	7 1/2	10	42kA	GB H 103-32A - ▲	$630	$710	$690
32-40A	500A	40	5	10	15	42kA	GB H 103-40A - ▲	$630	$710	$690
40-50A	500A	50	7 1/2	15	20	42kA	GB H 103-50A - ▲	$630	$710	$690
50-63A	630A	63	7 1/2	20	25	42kA	GB H 103-63A - ▲	$630	$710	$690
64-80A	800A	80	10	20	30	42kA	GB H 103-80A - ▲	$650	$750	$700
80-100A	1000A	100	10	30	40	42kA	GB H 103-100A - ▲	$650	$750	$700
250 Amp Frame Adjustable										
100-125A	5x thru 10x A	125	15	40	50	42kA	GB H 203-125A - ▲	$900	$1,000	$1,200
125-160A	5x thru 10x A	160	20	40	60	42kA	GB H 203-160A - ▲	$900	$1,000	$1,200
160-200A	5x thru 10x A	200	25	60	75	42kA	GB H 203-200A - ▲	$900	$1,000	$1,200
200-250A	5x thru 10x A	250	30	75	100	42kA	GB H 203-250A - ▲	$1,250	$1,300	$1,600

* GB-H 103 has Fixed Magnetic Trip and adjustable thermal trip.
GB-H 203 has Adjustable Thermal Trip and adjustable magnetic trip.

Motor Overload included is approved by UL (UL508).

▲ Add enclosure type suffix per above.

• Order Example P/N; (NEMA 3R Enclosed 16 Amp)
GBH103-16A-3R List each $630.00

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

ACCESSORIES - OPTIONS

Easy to Install Accessories

Fast - Simple Installation

- Easy to install and replace casette type accessories
- General Internal Accessories: 100/250AF common use
- Screw type terminals
- One design for both 100/250AF
- Standard Options
  - AX - Auxiliary Contact
  - AL - Trip Alarm
  - SNT - Shunt Trip (Remote Control)
  - UVT - UnderVoltge Trip
  - Rear Connection Terminal Bus.



Accessory Kits
Use on 100A and 250A Frames



Easy to Install Cassette Type Accessories

- All Field Installable

ACCESSORY KITS

Auxiliary Contacts (AX)	List Each
Catalog No.	
GB-AX 1 (1NO/1NC Form C)	$38
GB-AX 2 (2NO/2NC Form C)	$76
GB-AX 3 (3NO/3NC Form C)	$114
GB-AX 4 (4NO/4NC Form C)	$152

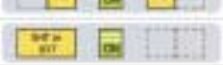
UnderVoltage Trip (UVT)	List Each
Catalog No.	
GB-UVT-24V AC/DC	$116
GB-UVT-48V AC/DC	$116
GB-UVT-110V AC/DC	$116
GB-UVT-220V AC/DC	$116
GB-UVT-480V AC	$116



Undervoltage Trip

Internal Accessories

Location & Max. attachable No.

Accessories	Max. attachable No. Left	Right	Max	LOCATION
Aux. a/le(AX)	2	2	4	
Alarm a/le(AX)	1	1	2	
SNT or UVT	1	-	1	

Shunt Trip Kits (SNT) *(For remote trip of CB)*

Catalog No.	AC	DC	AC/DC	List Each
GB-SNT-MB			12V	$116
GB-SNT-NB			24V	$116
GB-SNT-OB			48V	$116
GB-SNT-UB			60V	$116
GB-SNT-PD		100-110V		$116
GB-SNT-AA	100-125V			$116
GB-SNT-QD		125V		$116
GB-SNT-RD		200-220V		$116
GB-SNT-CA	200-240V			$116
GB-SNT-SD		240V		$116
GB-SNT-TB			250V	$116
GB-SNT-DA	380-440V			$116
GB-SNT-EA	440-480V			$116
GB-SNT-FA	500-550V			$116



Shunt Trip

Ratings of the AX & AL

Applied MCCB	AC Operational voltage (V)	AC Max. switching current (A) Resistive load	AC Max. switching current (A) Inductive load	DC Operational voltage (V)	DC Max. switching current (A) Resistive load	DC Max. switching current (A) Inductive load
GBN 100 250	125	5	3	30	4	3
GBH 100 250	250	3	2	125	0.4	0.4
GBL 100 250 (E)				250	0.2	0.2

Trip Alarm (AL)	List Each
Catalog No.	
GB-AL 1 (1NO/1NC Form C)	$38
GB-AL 2 (2NO/2NC Form C)	$76



All above Accessory Kits can be field installed

Terminal Covers

Catalog No.	For Breaker Type	List Each Set
TB-13T	GBH 103	$18
TB-23T	GBH-203 GBL-103	$20



* Provides Finger Protection Line & Load side

Set includes two covers.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

SERIES GB-L
HIGH 65KA OPTION

LG Industrial Systems

DESCRIPTION

Series GB L Breakers are high Interruption capacity, 65kA at 480 Volt and utilize the same frame size as GB H (4.1", 105mm wide and 6.5", 165mm high.) While cost for the Series GB L is higher, the advantage is very high 65kA (480 Volt) interruption capacity.

SERIES GB-L Order Part Numbers 65kA (480V)

cUL 508 ***600 Volt***

Adjustable Thermal Trip (Amp)	Magnetic Instantaneous Trip (Amp)	General Purpose (Amp)	Open Type Catalog No.	List Each ▲
250 Amp Frame				
12-16A	500A	16	GB L 103-16A - 65KA	$440
16-20A	500A	20	GB L 103-20A - 65KA	440
20-25A	500A	25	GB L 103-25A - 65KA	440
25-32A	500A	32	GB L 103-32A - 65KA	440
32-40A	500A	40	GB L 103-40A - 65KA	440
40-50A	500A	50	GB L 103-50A - 65KA	440
50-63A	630A	63	GB L 103-63A - 65KA	440
64-80A	800A	80	GB L 103-80A - 65KA	530
80-100A	1000A	100	GB L 103-100A - 65KA	530
250 Amp Frame Adjustable				
100-125A	5x thru 10x A	125	GB L 203-125A - 65KA	570
125-160A	5x thru 10x A	160	GB L 203-160A - 65KA	570
160-200A	5x thru 10x A	200	GB L 203-200A - 65KA	740
200-250A	5x thru 10x A	250	GB L 203-250A - 65KA	740

See page GB-6 for Series GB H (42kA) pricing and catalog numbers.

▲ Terminals are included with 100 Amp and 250 Amp frame breakers per page GB-6

Accessories:

Series GB L use the same accessories and accessory kits as Series GB H.

These include:

- Alarm Trip Contacts
- Shunt Trip
- Undervoltage Trip

See page GB-7 for accessories, catalog numbers and prices.

Dimensions: The Series GB L dimensions are identical to Series GB H - 200 Series.



LG - GBL & GBH Breakers include 6 lug terminals

SERIES VA-11
OPERATOR HANDLES



VA11-Type

- **Extended rotary handle (VA-type)**
- Externally operate the MCCB and can be applied to enclosures of varying depths *8 1/4" shaft supplied as standard*
- **NEMA 1, 3R, 12, IP65**

IP65 Dust Tight - Hose Test Water Tight

- Protected against dust
- Protected against low pressure jets from all directions

6=  5= 

Dust Protection Water Jet Protection

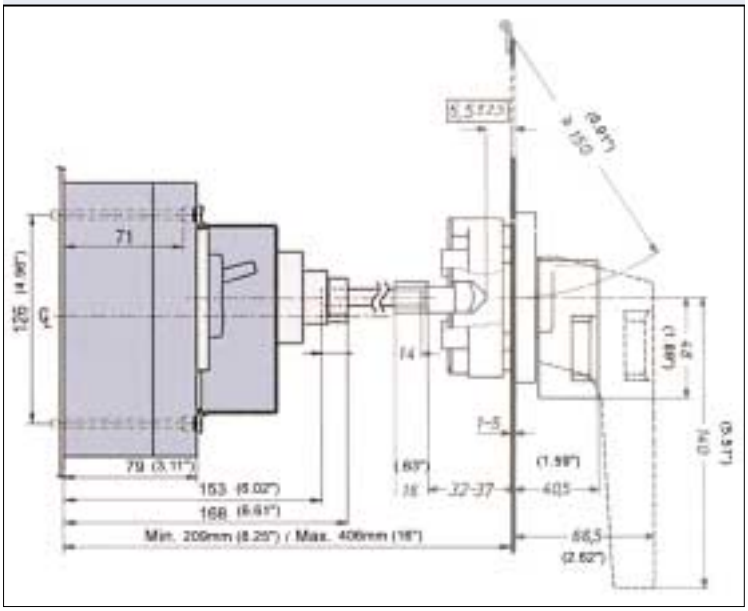
Minimum depth 8 1/4" from back plate to inside cover.

Maximum depth with "standard" shaft (16") 406mm.

Type	Cat. No.	List Each	MCCB
VA11 Type	**GB-VA11-R-30S** **GB-VA11-B-30S**	**$88**	use with GB H 103 Frame
	GB-VA11-R-60S **GB-VA11-B-60S**	**$88**	GB H 203 Frame

"R" = Red / Yellow, "B" = Black / Grey

Dimensions mm (inches) Operating Handle



** All dimensions are approximate millimeter & (inches).*

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

● Extended rotary handle (E-type)

- Externally operate the MCCB and can be applied to enclosures of varying depths
- According to IP54 (NEMA 1,12,3R)

Max. enclosure depth 355mm (14") with standard shaft



E-Type

● Direct rotary handle (D-type)

- Converts toggle type operation to rotary type.
- Padlockable Lockout feature
- Direct mount to MCCB (no interlock)



D-Type

● Part Numbers of the operators

IP54 - Dust Tight and Water Spray all directions

Type		List Each	Applied MCCB
E-Type	**GBE-30S**	**$88**	use with GB-H103 Frame
	GBE-60S	**$88**	GB-H203 Frame GB-L103 Frame GB-L 203 Frame
D-Type	**GBD-30S**	**$45**	GB-H103 Frame
	GBD-60S	**$45**	GB-H203 Frame GB-L103 Frame GB-L203 Frame

● Extended rotary handle (E-type)

Kit Includes

- Rotary drive converter
- Extension shaft 9.5" (241mm)
- External padlockable operator with defeatable feature **IP54**

Enclosure Min/Max Interior Dimension Depth 180-355mm (7.09-14") with standard shaft

Also available for horizontal mounted Breakers*; *consult factory*



E-Type
Assembled to Breaker

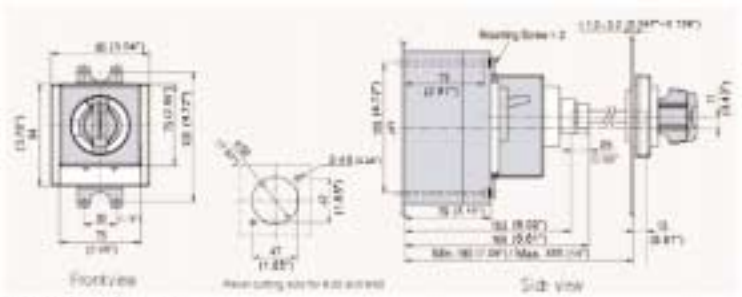


E-Type
Shown as kit

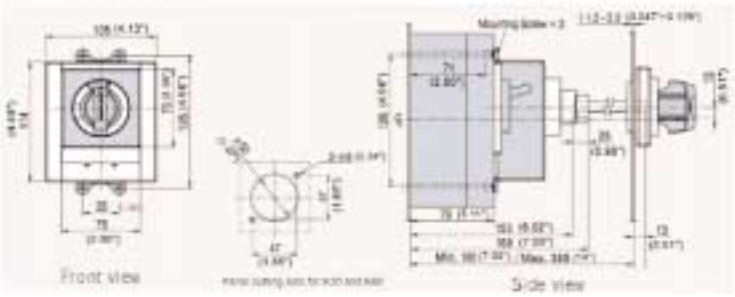
* The breaker is mounted sideways, however, the ON/OFF external handle remains vertical.

Dimensions of E-type operating handle

E-30S, **(E-type)**



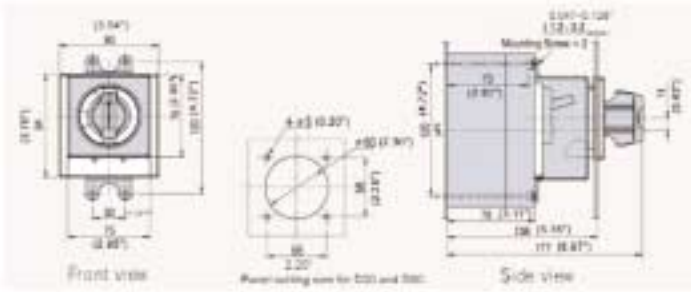
E-60S, (E-type)



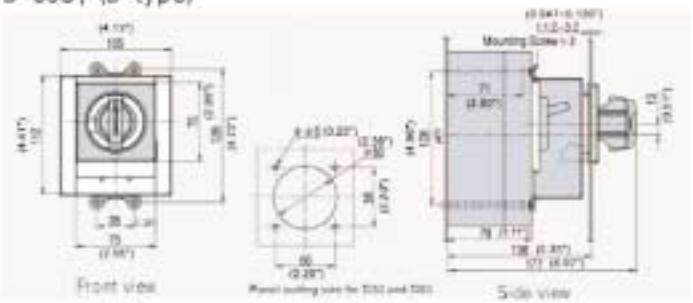
** All dimensions are approximate millimeters & (inches).*

Dimensions of D-type operating handle

D-30S, **(D-type)**



D-60S, (D-type)



*** Padlocking is possible when the MCCB is ON or OFF condition.**

*** Panel door does not open when the MCCB is "On" or "Trip" condition. Use the release screw to bypass.**

** All dimensions are approximate millimeter & (inches).*

See page GB-8 for Heavy Duty VA-11 Operator Handle and Shaft

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

INTERNATIONAL RATINGS CE, IEC



Ampere Frame		AF				100AF								
Type					N-Type			H-Type			L-Type		
		Thermal magnetic			GBN102	GBN103	GBN104	GBH102	GBH103	GBH104	GBL102	GBL 103	GBL104
		Electronic type			-	-	-	-	-	-	-	GBL103E	-
Rated insulation voltage (V)		Ui			690			690			690		
Rated impulse voltage (kV)		Uimp			6			6			6		
Rated operating volatge (V)		Ue	AC Voltage		600			600			600		
			DC Voltage		250			250			250		
Number of poles					2	3	4	2	3	4	2	3	4
Rated current (A)	In	Thermal magnetic			16,20,25,32,40,50,63,80,100			16,20,25,32,40,50,63,80,100			16,20,25,32,40,50,63,80,100		
		Electronic			-			-			100		
Adjusted current (A)	Ir	Thermal magnetic			(0.8,0.9,1.0) x In			(0.8,0.9,1.0) x In			(0.8,0.9,1.0) x In		
		Electronic			-			-			(0.5,0.6,0.7,0.8,0.9,1.0) x In		
Rated	Icu		AC Voltage	600V	18			25			35		
breaking				500/550V	22			35			50		
capacity (kA)				480V	30			42			65		
(sym)				440/460V	35			50			85		
KS C 8321			DC Voltage	250V	35			50			85		
IEC 60947-2				220/240V	50			85			125		
NEMA AB-1			DC Voltage	250V	35			50			85		
				125V	-			-			-		
	Ics		... % x Icu		75			75			75		
Short time limit	Im	Electronic		Adjustable	-			-			(2,3,4,5,6,8,10) x Ir		
Instantaneous	It	Thermal Magnetic *(Note1)*		Fixed Type	10 x In			10 x In			10 x In		
		Electronic		Fixed Type	-			-			11 x In		
Endurance		Mechanical			20,000			20,000			10,000		
		Electrical			10,000			10,000			5,000		
Dimensions (mm)		WxLxH (H=Panel cutting)			90 x 140 x 86 (A type)			90 x 140 x 86 (A type)			105 x 165 x 86 (B type)		
Weight (kg)													
Accessories		Auxiliary s/w		AX	■			■			■		
		Alarm s/w		AL	■			■			■		
		Shunt trip		SNT	■			■			■		
		Under voltage		UVT	■			■			■		
		Terminal cover			■			■			■		
		Insulation barrier			Standard			Standard			Standard		
		Rear connections			■			■			■		
		Operating handle		Direct Mount	■			■			■		
				Extensible Type	■			■			■		
Certifications		KEMA test *(Note 2)*			▲			▲			▲		
		CE-mark			▲			▲			▲		

Note1) In the thermal-magnetic trip type MCCB, the short time limit current (Im) is the same with instantaneous current (It)

Note2) The GBH103, GBL103 are approved by the KEMA test according to IEC 60947-2 at 415V, 480V

■ Available as Field Kits.

▲ **All Circuit Breaker ratings Certified by KEMA Independent Lab Report**

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com



INTERNATIONAL RATINGS CE, IEC

Ampere Frame AF 250AF

Type				N-Type			H-Type			L-Type		
		Thermal magnetic		GBN202	GBN203	GBN204	GBH202	GBH203	GBH204	GBL202	GBL 203	GBL204
		Electronic type		-	-	-	-	-	-	-	GBL203E	-
Rated insulation voltage (V)		Ui		690			690			690		
Rated impulse voltage (kV)		Uimp		6			6			6		
Rated operating volatge (V)		Ue	AC Voltage	600			600			600		
			DC Voltage	250			250			250		
Number of poles				2	3	4	2	3	4	2	3	4
Rated current (A)	In	Thermal magnetic		125,160,200,250			125,160,200,250			125,160,200,250		
		Electronic		-			-			250		
Adjusted current (A)	Ir	Thermal magnetic		(0.8,0.9,1.0) x In			(0.8,0.9,1.0) x In			(0.8,0.9,1.0) x In		
		Electronic		-			-			(0.5,0.6,0.7,0.8,0.9,1.0) x In		
Rated	Icu		AC Voltage 600V	18			25			35		
breaking			500/550V	22			35			50		
capacity (kA)			480V	30			42			65		
(sym)			440/460V	35			50			85		
KS C 8321			DC Voltage 250V	35			50			85		
IEC 60947-2			220/240V	50			85			125		
NEMA AB-1			DC Voltage 250V	35			50			85		
			125V	-			-			-		
	Ics		... % x Icu	75			75			75		
Short time limit	Im	Electronic	Adjustable	-			-			(2,3,4,5,6,8,10) x Ir		
Instantaneous	It	Thermal Magnetic *(Note1)*	Adjustable	(5,6,7,8,9,10) x In			(5,6,7,8,9,10) x In			(5,6,7,8,9,10) x In		
		Electronic	Fixed Type	-			-			11 x In		
Endurance		Mechanical		20,000			20,000			10,000		
		Electrical		10,000			10,000			5,000		
Dimensions (mm)		WxLxH (H=Panel cutting)		105 x 165 x 86 (A type)			105 x 165 x 86 (A type)			105 x 165 x 86 (B type)		
Weight (kg)												
Accessories		Auxiliary s/w	AX	■			■			■		
		Alarm s/w	AL	■			■			■		
		Shunt trip	SNT	■			■			■		
		Under voltage	UVT	■			■			■		
		Terminal cover		■			■			■		
		Insulation barrier		Standard			Standard			Standard		
		Rear connections		■			■			■		
		Operating handle	Direct Mount	■			■			■		
			Extendable Type	■			■			■		
Certifications		KEMA test *(Note 2)*		▲			▲			▲		
		CE-mark		▲			▲			▲		

Note1) In the thermal-magnetic trip type MCCB, the short time limit current (Im) is the same with instantaneous current (It)

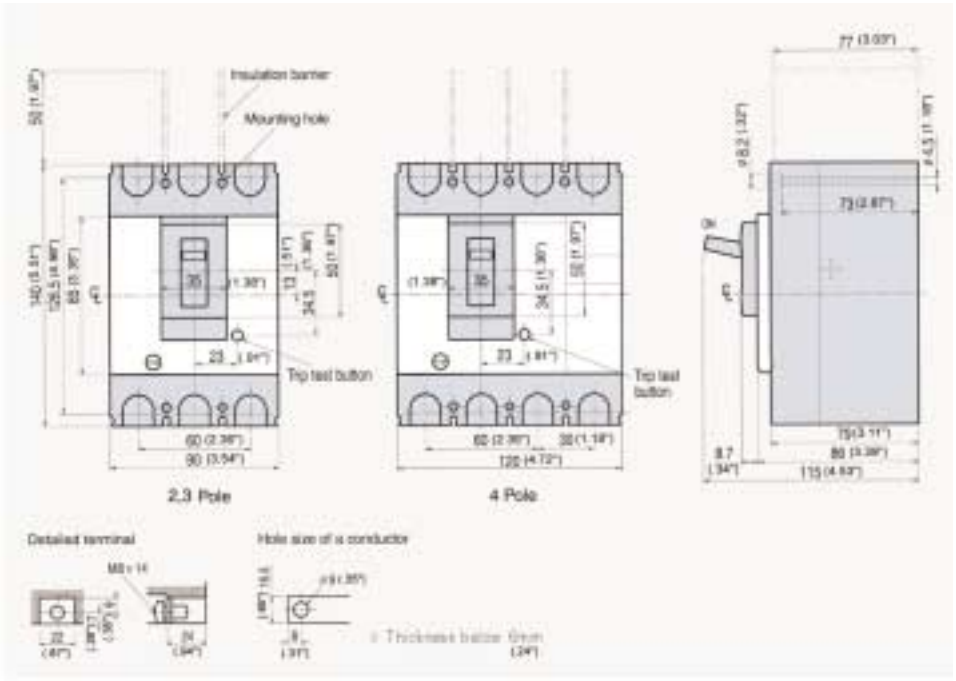
Note2) The GBH203, GBL203 are approved by the KEMA test according to IEC 60947-2 at 415V, 480V

■ Available as Field Kits.

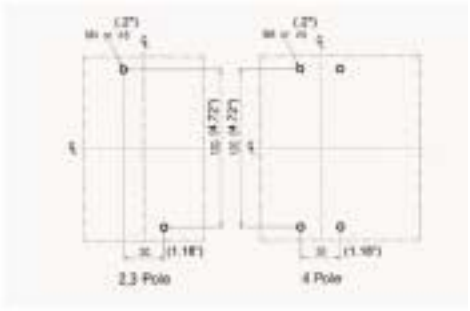
▲ **All Circuit Breaker ratings Certified by KEMA Independent Lab Report**

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

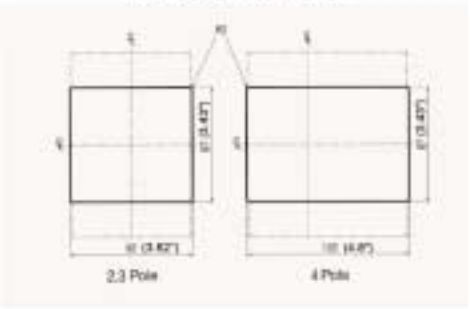
GBN 103 / GBH 103 (100 Amp Frame)



Panel mounting size

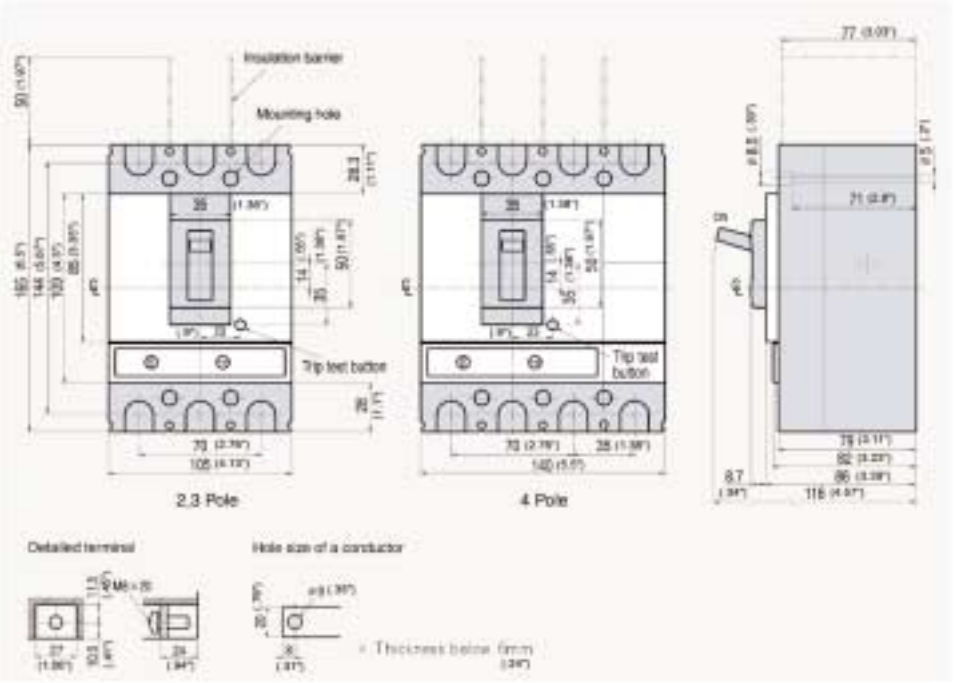


Panel cover cutting size

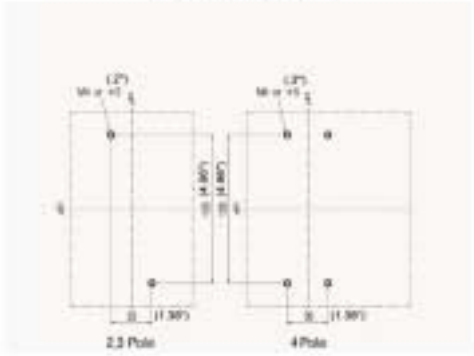


All dimensions are approximate millimeters, (inches)

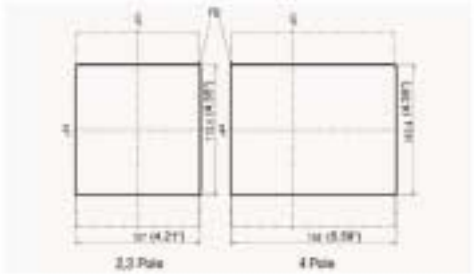
GBN 203 / GBH 203 / GBL 103, 203 (250 Amp Frame)



Panel mounting size

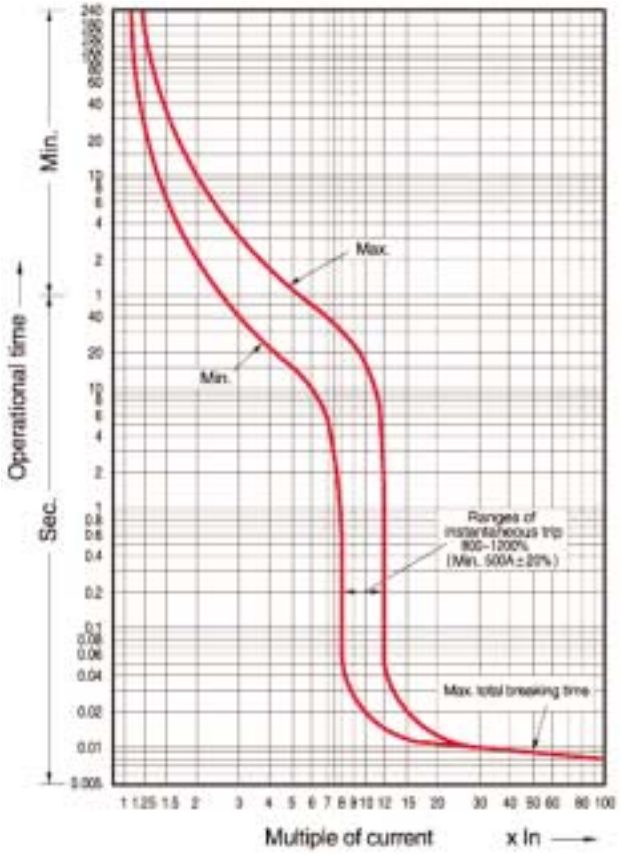


Panel cover cutting size

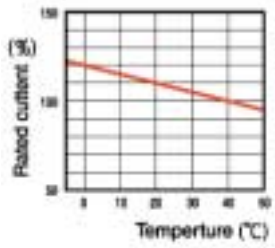


Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

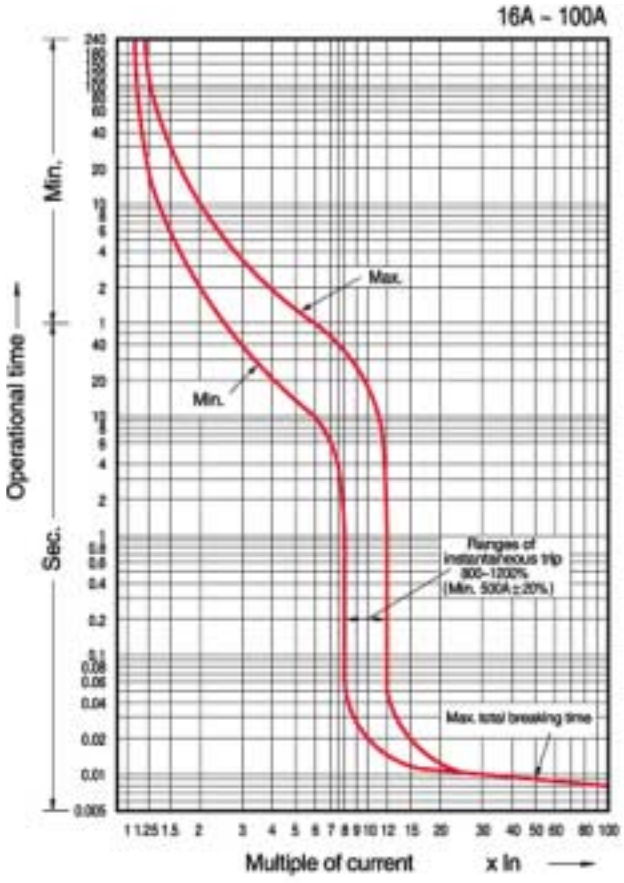
Thermal Magnetic Type GBN 100 / GBH 100

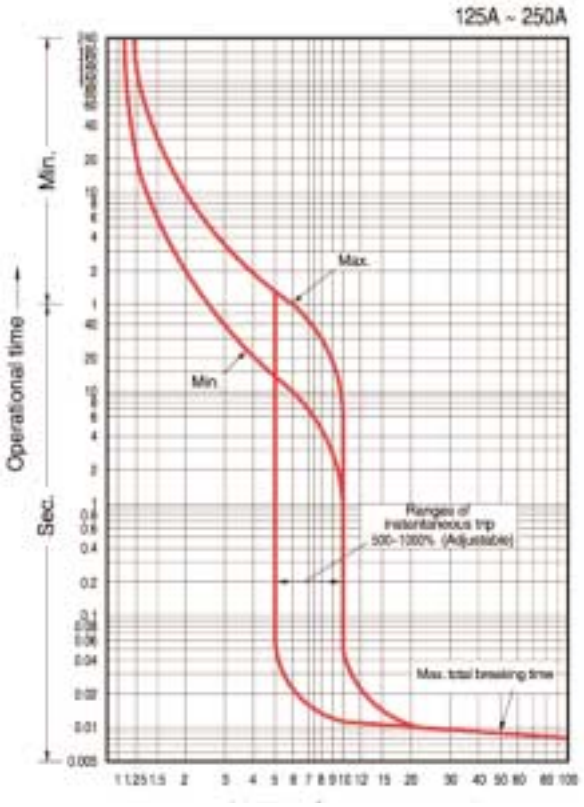


Graphs of the temperature compensation



GBN 250 / GBH 250 / GBL 100, 250

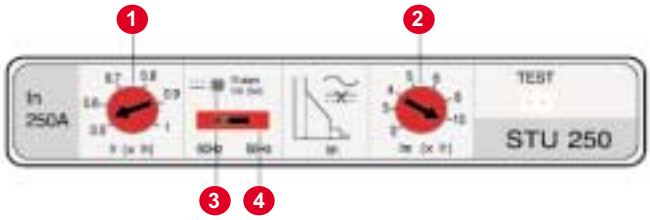




Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

STU type (Electronic trip unit)

1. Rated current (In) regulating knob
   6 steps: 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1.0 x In
2. Short time-limit current (Im) regualting knob
   7 steps: 2 / 3 / 4 / 5 / 6 / 8 / 10 x Ir
3. Pre-alarm LED (PAL)
   - 70~110% x Ir: LED on & off
   - Over 110%: LED on
4. Frequency selection s/w
   - 50 or 60Hz (Default is 60Hz)



General Description

Series GB L-E Breakers with Electronic Trip are in same frame size as GB H (4.1", 105mm wide and 6.5", 165mm high.)

While cost for the electronic trip is higher, the advantage is adjustable short time trip through 7 steps down to 2 times the set continuous current, The interruption capacity (IC) ia also extremely high or 125kA at 240Volt and 85kA at 460Volt.

Accessories: Series GB L-E use the same accessories and accessory kits as Series GB H.

These include:

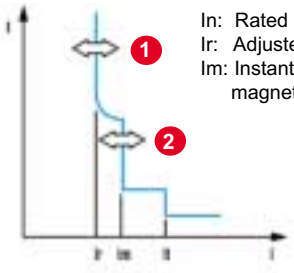
- Extra Auxiliary Interlocks
- Alarm Trip Contacts
- Shunt Trip
- Undervoltage Trip

See page GB-7 for accessory catalog numbers and prices.

Dimensions: The Series GB L-E dimensions are identical to Series GB L.



Trip unit		STU50	STU100	STU250
Ranges of the In	0.5 x In	25	50	125
	0.6 x In	30	60	150
	0.7 x In	35	70	175
	0.8 x In	40	80	200
	0.9 x In	45	90	225
	1.0 x In	50	100	250



In: Rated thermal current
Ir: Adjusted magnetic current
Im: Instantaneous current with magnetic electronic trip

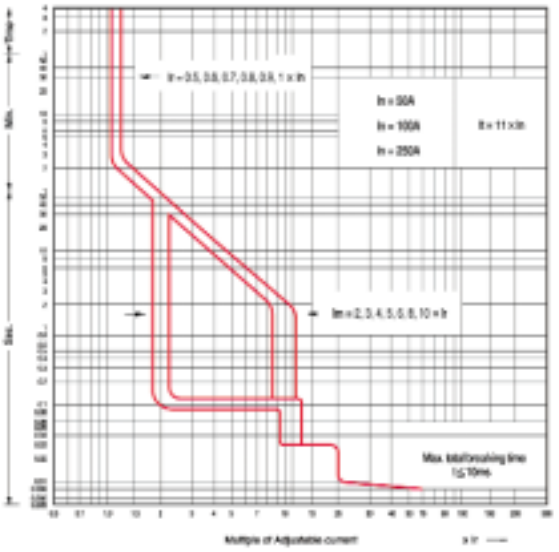
Ranges of the Im 2,3,4,5,6,8,10 x Ir
Ranges of the It 11 x In

* Default settings of the rated current and instantaneous current are Max. value



Check with factory for additional data on the electronic trip breaker.

Electronic Trip Unit GBL 50E, 100E, 250E







Note) In: Rated current, Ir: Adjusted current, Im: Short time limit current, It: Instantaneous current

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

INTERNATIONAL SPECIFICATIONS

The 400 AF (Amp Frame), 800 AF and 1200 AF, have not been submitted to UL (6/2001).
(For additional information, check with EECONTROLS Main Office)

Description - *400Amp - 800Amp*

Dimension

400Amp H 257mm x W 140mm x D145mm
800Amp H 275mm x W 210mm x D145mm

Trip Free Mechanism

Compact & Economic Type

ABE, ABS series: 25kA, 35kA and 50kA at 415Vac

Tripping Devices

Thermal-magnetic
Hydraulic-magnetic



Full range of 4 pole MCCB

Built with early make late break
Neutral contact

International Standard

Conforming to IEC 947-2
CE marking

ISO9001 Quality Assurance







O Hinged front cover flap
makes it easier to mount internal accessories; Alarm Switch, Auxiliary Switch, Shunt trip and UVT

O Rating Plug
Thermal currents are field interchangeable between
250-300A
350-400A
500-600A
700-800A



Description - *For MCCB 400Amp to 800Amp*

Easy to mount optional accessories

Hinged front cover flag makes it easier to mount interal accessories like Auxiliary contact, Alarm contact, shunt trip unit and Under voltage trip unit.

Trip Free Mechanism

Compact design with High breaking capacity

25,35,50,65kA@415Vac

Tripping Devices

Fixed thermal / Interchangeable thermal
Fixed or adjustable magnetic

Dual-current rating

Thermal currents are field interchangeable by replacing rating plug between
250A and 300A, 350A and 400A
500A and 600A, 700A and 800A

International Standard

Conforming to IEC 947-2
CE marking

Check with factory for additional data on high current "AB" power breakers

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

SERIES GBH

From 16Amp to 250Amp

LG Industrial Systems

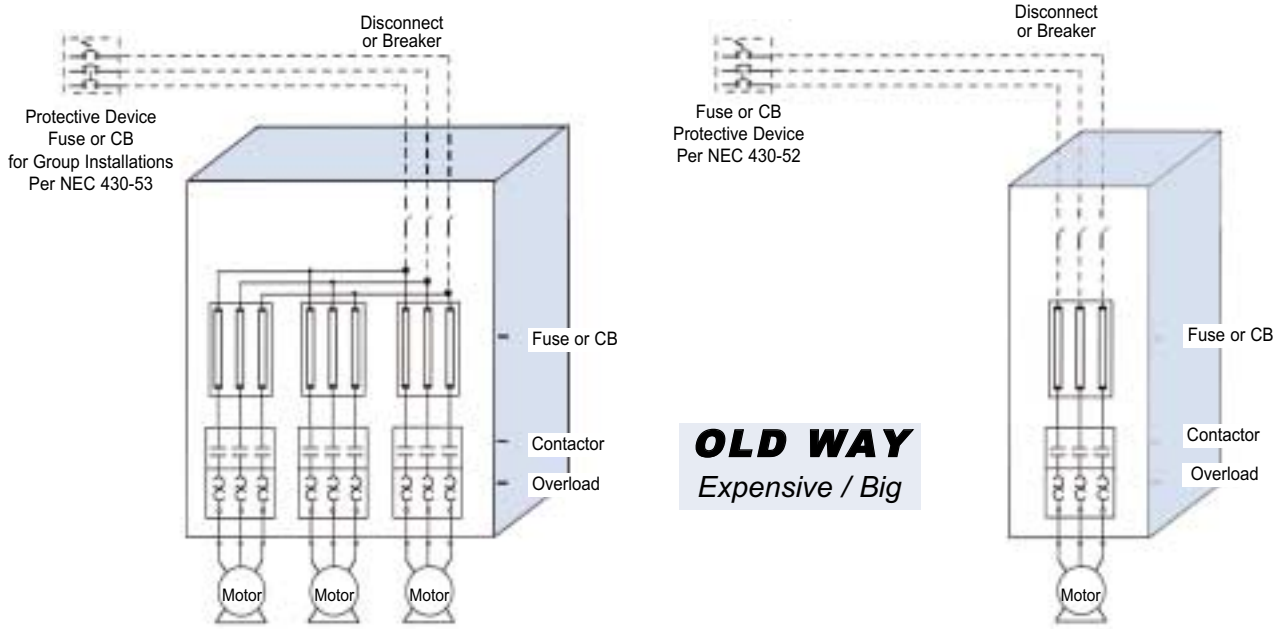
MCP'S Extended to 250Amp
PROVIDE BETTER SYSTEM PROTECTION!

Set Type GBH are designed to match the specific load:

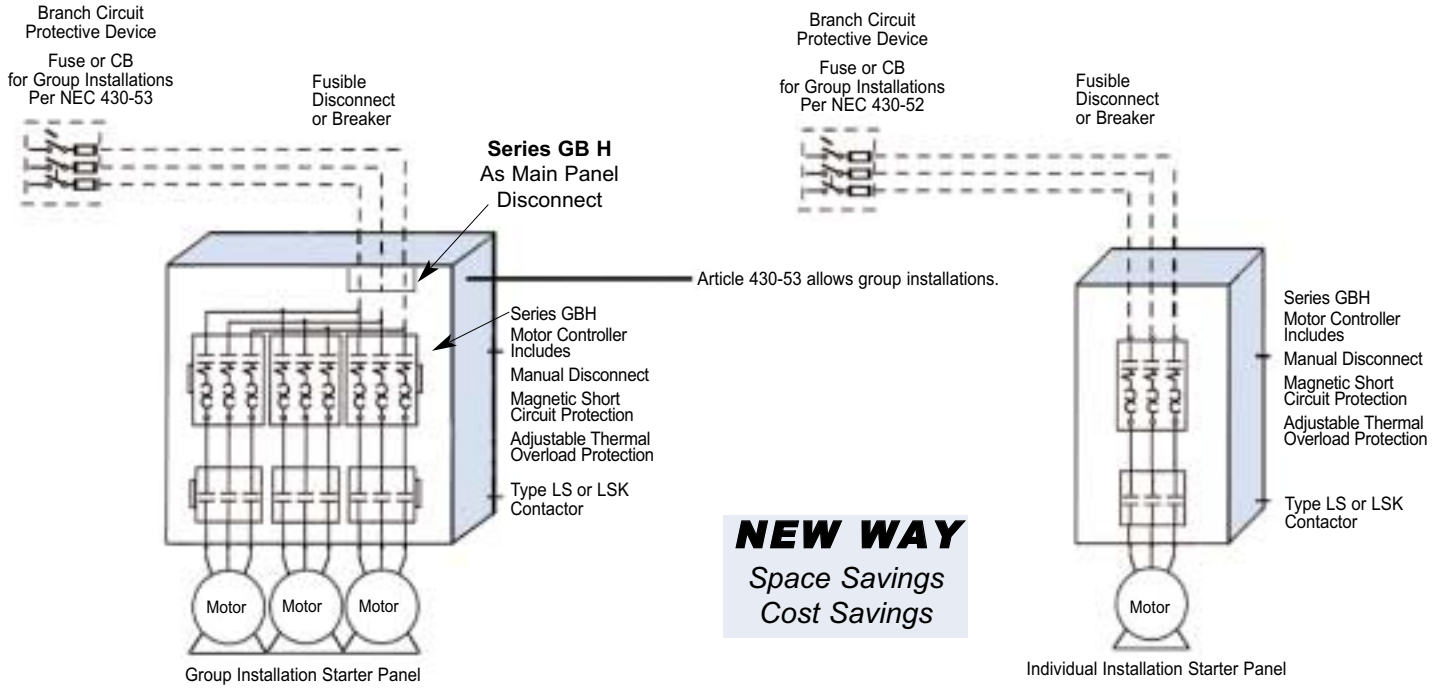
1. Adjust Magnetic Instantaneous Trip to match load.
   (Current Limiting Design)
2. Adjust Thermal Trip to match specific load.

BENEFITS

- SMALLER SIZE
- LOWER COST
- HIGHER INTERRUPTION CAPACITY



OLD WAY
Expensive / Big



NEW WAY
Space Savings
Cost Savings

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP