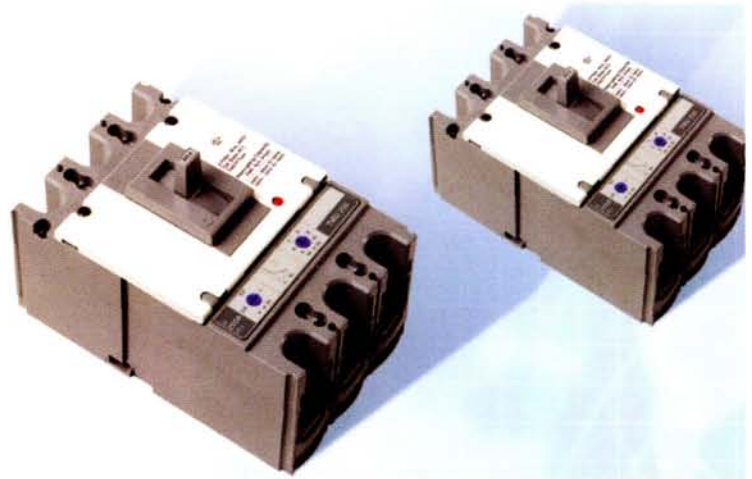


INDEX	
SERIES CBC H - 42kA	Page
DESCRIPTION	2
CHARACTERISTICS	3
DESIGN	4
CERTIFICATIONS	5
ORDER INFORMATION	6
ACCESSORIES	7
SERIES CBC L-65kA Option	8
OPERATOR HANDLES	9
INTERNATIONAL RATINGS	10, 11
DIMENSIONS	12
CHARACTERISTIC CURVES	13
SERIES CBC L-E ELECTRONIC TRIP	14
SERIES AB 800, 1200 Amp	
HIGH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



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

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

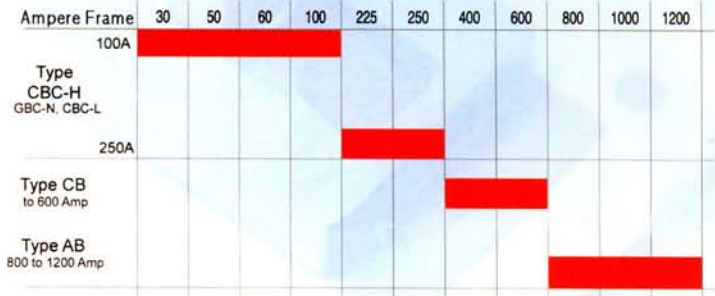
Manual Self Protected Control Device

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

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

- ▲ The type CBC series was developed as an adjustable controller with high performance and multi-functions.
- ▲ Remarkable increased breaking capacity meets the modern application 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.

AF coverage of MCCB



This bulletin LG CBC-H covers series CBC-H, 100Amp and 250Amp Frames. Series CBC-H has 42kA IC, and CBC-L has extra high IC capacity.

SERIES CBC-H WITH INTEGRATED MOTOR PROTECTION

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

Description:

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

The Series CBC-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 CBC-2H Amp frame controllers include adjustable thermal and adjustable magnetic trip, both combined in one housing. The adjustable thermal trip consists of 3 BiMetallic elements, factory preci-

sion calibrated and field adjustable to provide approved motor protection (UL 508). The CBC-1H 100 Amp frame is fixed magnetic trip and has adjustable thermal built in 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 CBC-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.

**Type CBC-H,
COMPACT - MODERN DESIGN**

2 Frame Sizes (100 AF, 250 AF)



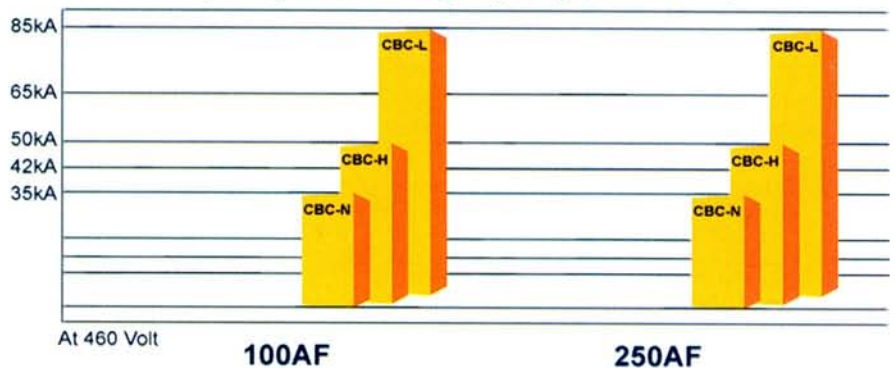
UL Test

- CBC-N=30kA @ 480V
- CBC-H=42kA @ 480V
- CBC-L=65kA @ 480V

KEMA Test

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

Comparing the breaking capacity (AC 460V basis)

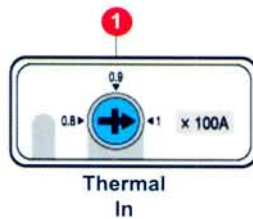


Adjustable Thermal Trip - Series CBC-N, H, L

TMU type (Thermal magnetic trip unit)



100 Amp Frame

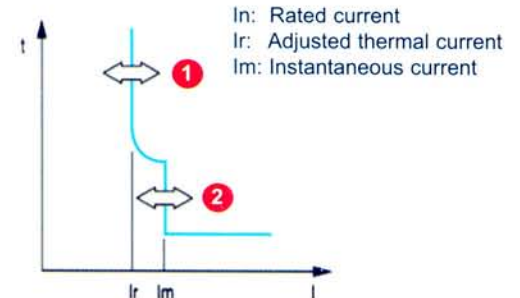
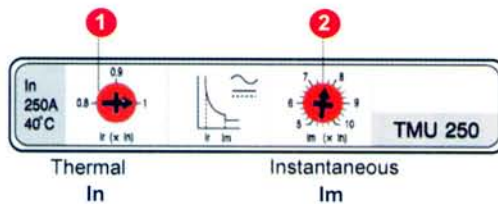


- 1 Rated current regulating knob, In**
3 steps: 0.8 / 0.9 / 1.0 x In

- 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)



250 Amp Frame



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)