

# MOULDED CASE CIRCUIT BREAKER

## MCCB HC SERIES



**Westinghouse**

CE





# Westinghouse

## Leading The Future of Electrification

- A Global Heritage Brand with 130 Years of Product Innovation
- Perfect Products, Creative Services, and Competitive Price

## Since 1886, Westinghouse Has Brought The Best To Life.

Westinghouse remains a trusted name globally in consumer and industrial products. Built on a heritage of innovation and entrepreneurial spirit, Westinghouse products were the first to supply the United States with AC electric power, transmit a commercial radio broadcast and capture man's first step on the moon. Today, Westinghouse continues to grow its diverse portfolio with a wide range of product categories that include home appliances, consumer electronics, lighting and power generation.

# Molded Case Circuit Breaker

Full Range of MCCB from 16-1250A According to IEC/EN 60947-2

1

Moulded Case Circuit Breakers



Circuit Breaker type		G125			F160			J250		
Type of Breaker		GI	GS	FS	FH	FN	JS	JH	JN	
Poles	Number of				2,3,4					
Rated insulation voltage	Ui (Volts)	800	800	800	800	800	800	800	800	
Rated impulse withstand voltage	Uimp (kV)	8	8	8	8	8	8	8	8	
Rated operational voltage Ue	Volts AC	415	415	415	415	415	415	415	415	
	Volts DC	250	250	250	250	250	250	250	250	
Line Protection device										
Category of use		A	A	A	A	A	A	A	A	
Suitable for use as a isolator	Positive ON and OFF	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Rated current Ith = Ie (Max)					160			250		
Ultimate breaking capacity Icu (kA)	230/240V AC	65	65	65	85	85	65	85	85	
	400/415V AC	25	36	36	50	75	36	50	75	
	440V AC	18	25	25	30	50	25	30	50	
	500V AC	14	18	18	22	30	18	22	30	
	690V AC	6	6	6	8	10	6	8	10	
	250V DC	10	25	25	25	25	25	25	25	
Service breaking capacity Ics (%Icu)	≤ 500V	100%	70%	100%	100%	100%	100%	100%	100%	
	690V AC	100%	70%	100%	100%	100%	100%	100%	100%	
Making capacity Icm (kA peak)	400/415V AC	52.5	75.6	75.6	105	165	75.6	105	165	
	500V AC	28	36	36	46.2	63	36	46.2	63	
Single phase breaking capacity I <sub>p</sub> (kA)	230V AC	25	36	36	50	65	35	50	65	
Endurance (Number of operations)	Mechanical	14000			14000			14000		
	Electrical at In and 415V AC	2000			2000			2000		
Endurance (On-Tripped operations)	Mechanical	7000			14000			14000		
Trip Units	Thermal Magnetic F *1									
	Thermal Magnetic T *2									
	Thermal Magnetic TM *3									
	Electronic LSI									
	Electronic LSI G									
Non Automatic Circuit Breaker / Switch type		G125			F160			J250		
Type of Device		GNY125			FNY160			JNY250		
Rated current In (class AC23)	220V AC to 690V AC	125			160			250		
Rated making capacity	Icm (kA peak)	1.7			4.2			5.7		
Short-term withstand current Icw (kA)	Icw eff. 1 second	1.2			3			4		

## Installation

Circuit Breaker or Switch type		G125			F160			J250	
Number of poles		1	2	3	2	3	4	3	4
Mounting									
Fixed	Fixed	Yes			Yes			Yes	
	Plug-in	No			No			Yes	
	Draw-out	No			No			No	
Connection									
Line	Line	Cable			Cable			Cable	
	Load	Cable			Cable			Cable	
	Cable Size	3-95mm <sup>2</sup>			2.5-70mm <sup>2</sup>			50-120mm <sup>2</sup>	
Dimensions (h x w x d) mm	Fixed front connection	130x25x76.8	130x50x76.8	130x75x76.8	155x60x87	155x90x87	155x120x87	165x105x87	165x140x87
Weights (kg)	Fixed front connection	0.3	0.5	0.7		1.4	1.9	1.8	2.4

\*1 Fixed Thermal and Fixed magnetic (5In) (F)

\*2 Adjustable Thermal (0.7-1.0) - Fixed Magnetic (5In) (T)

\*3 Adjustable Thermal (0.7-1.0) & Adjustable Magnetic (5-10 In) (TM)

\*4 72mm Depth for GD,GID Frame.

# Molded Case Circuit Breaker

Full Range of MCCB from 16-1250A According to IEC/EN 60947-2



Circuit Breaker type		K400			K630			L800		N1250	
Type of Breaker		KS	KH	KN	KS	KH	KN	LH		NH	
Poles	Number of	3-4			3-4			3-4		3-4	
Rated insulation voltage	Ui (Volts)	1000			1000			1000		1000	
Rated impulse withstand voltage	Uimp (kV)	12			12			12		12	
Rated operational voltage Ue	Volts AC	415			415			415		415	
	Volts DC	250			250			250		250	
Line Protection device											
Category of use		A			A			A		A	
Suitable for use as a isolator	Positive ON and OFF	YES			YES			YES		YES	
Rated current Ith = Ie (Max)		400			630			800		1250	
Ultimate breaking capacity Icu (kA)	230/240V AC	65	85	120	65	85	120	85		85	
	400/415V AC	36	50	100	36	50	100	70		70	
	440V AC	25	30	50	25	30	50	42		42	
	500V AC	18	22	30	18	22	30	36		36	
	690V AC	6	8	20	6	8	20	20		20	
	250V DC	25	25	25	25	25	25	25		25	
Service breaking capacity Ics (%Icu)	≤ 500V	100%	100%	100%	100%	100%	100%	71.4%		71.4%	
	690V AC	100%	100%	100%	100%	100%	100%	71.4%		71.4%	
Making capacity Icm (kA peak)	400/415V AC	75.6	105	220	75.6	105	220	154		154	
	500V AC	36	46.2	63	36	46.2	63	75.6		75.6	
Single phase breaking capacity I <sub>p</sub> (kA)	230V AC	35	50	65	35	50	65	50		50	
Endurance (Number of operations)	Mechanical	8000			8000			5000		5000	
	Electrical at In and 415V AC	2000			1000			1000		1000	
Endurance (On-Tripped operations)	Mechanical	4000			4000			2500		2500	
Trip Units	Thermal Magnetic F *1										
	Thermal Magnetic T *2										
	Thermal Magnetic TM *3										
	Electronic LSI										
	Electronic LSIG										
Non Automatic Circuit Breaker /Switch type											
Type of Device		K400			K630			L800		N1250	
Rated current In (class AC23)	220V AC to 690V AC	KNY400			KNY630			LIY		NIY	
Rated making capacity	Icm (kA peak)	71			9.2			14.1		28.3	
Short-term withstand current Icw (kA)	Icw eff. 1 second	5			6.5			10		20	

## Installation

Circuit Breaker or Switch Type		K400		K630		L800		N1250	
Number of poles		3	4	3	4	3	4	3	4
Mounting									
Fixed	Fixed	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Plug-in	Yes	No	Yes	No	Yes	No	Yes	No
	Draw-out	Yes	No	Yes	No	Yes	No	Yes	No
Connection									
Line	Line	Cable		Cable/ Busbar		Busbar ext		Busbar ext	
	Load	Cable		Cable/ Busbar		Busbar ext		Busbar ext	
	Cable Size	120-240mm <sup>2</sup>		240-400mm <sup>2</sup>		95-500mm <sup>2</sup>		95-500mm <sup>2</sup>	
Dimensions (H x W x D) mm									
Weights (kg)	Fixed front connection	257 x 140 x 108	257 x 184 x 108	257 x 140 x 108	257 x 184 x 108	275 x 210 x 114	275 x 280 x 114	406 x 210 x 140	406 x 280 x 140
	Fixed front connection	4.1	5.6	4.3	5.8	9.5	12.5	21.3	28.3

\*1 Fixed Thermal and Fixed magnetic (5In) (F)

\*2 Adjustable Thermal (0.7-1.0) - Fixed Magnetic (5In) (T)

\*3 Adjustable Thermal (0.7-1.0) & Adjustable Magnetic (5-10 In) (TM)



# Moulded Case Circuit Breaker



## Contents

- A complete line of selective and current limiting breakers
- Protection with flexible trip units.
- All accessories available safe and easy to mount.
- Wide range of electrical and mechanical operators.
- Versatile installation options.

A full solution for low voltage distribution

Westinghouse circuit breakers has been developed as a line of aesthetically and technically coordinated protection devices for low voltage distribution and control applications. The circuit breakers are available in 6 sizes, each of which is tailored to the individual requirements associated with its application. The line offers a current range running from 16A to 1600A in single, 2, 3 and 4 pole ratings. Numerous versions as fixed, plug-in and draw-out are available and the line is completed with a full range of accessories.

### G125

Rated at 125A, the G frame size is designed for use in both a DIN-rail environment with modular equipment and in industrial applications. It is supplied with terminals suitable for direct connection of one or two conductors totalling up to 95 mm<sup>2</sup> and is available as a thermal magnetic breaker, and a moulded case switch. The G125 bridges the gap between residential miniature circuit breakers and industrial moulded case circuit breakers.



### F160

Rated at 160, the F160 frame sizes are designed for side-by-side mounting with G125 types in panels. F160 sizes are equipped with IPXXB Terminals suitable for direct connection of one or two conductors totalling up to 150 mm<sup>2</sup> and is available as a thermal magnetic breaker, and a moulded case switch.



**J250**

Rated at 250A, the J250 frame size are suitable for cable connection up to 185mm<sup>2</sup> for direct busbar connection or cable lugs.

The J250 frame connection area features easy to access busbar connections. Cable lugs for use with single or multiple copper or aluminum conductors are optionally available.



**K400, K630**

Rated at K400, K630 frame sizes are designed for use with the J250 and F160 & G125 frame sizes.

The design uses thermomagnetic and electronic trips units available in a number of performance.

The K400, K630 frame connection area features easy to access busbar connections or cable lugs for use with single or multiple copper or aluminum conductors Direct easily to to 300 mm<sup>2</sup>



**L800**

Rated at 800A L frame.

The design uses thermomagnetic and electronic trips units available in a number of performance ratings.

The L800 frame connection area features easy to access busbar connections or cable lugs for use with single or multiple copper or aluminum conductors up to 500mm<sup>2</sup> size.






Breaking Type →

Insulation Voltage →


Temperature Standard →

Catalogue Number →





## KS630

**Ui 1000V Uimp:12kV**  
630 A max (In) 3 Pole

**IEC/EN60947-2 55°C**  
(50/60Hz) Cat.A 

Cat.No.KS3630TM






**Circuit Breaker**

**In = 630A**

**Ir = 440-630A**

Ue (50/60Hz)	Icu/Ics
230/240V ~	65kA
400/415V ~	36kA
440V ~	25kA
500V ~	18kA
690V ~	6kA

Ue (DC)	Icu/Ics
250V 2P	25kA

**In=Ithe: 630A** 

Ref.No.W602629

Breaking Capacities to EN/IEC60947

Breaking Current rating

Reference No.

### Certification

The WESTINGHOUSE line of circuit breakers has been designed to comply with the following standards:

- EN 60947 Low-voltage switchgear and controlgear
- EN 60947-1: General rules
- EN 60947-2: Circuit-breakers
- EN 60947-3: Switches, disconnectors, switch disconnectors and fuse-combination units

## Breaker Accessories

### Safe and easy to mount

The internal accessories are designed for safe and easy mounting. The breaker trips upon cover removal and remains tripped until the cover is replaced. Cover removal provides access to a specifically designed, isolated compartment into which the accessories can be mounted easily and safely in conveniently marked areas.

### Mounting

Internal accessories can be easily installed into conveniently marked areas in the isolated compartment.

### Wiring

External wiring is routed through the top or the side of the breaker lid through break out openings. The wiring can then be connected to the accessory terminals.

### Auxiliary and Bell Alarm Switch

Available for all Frames. They offer an auxiliary contact block with normally open and normally closed changeover contacts which are suitable for use in high current and high fidelity applications.

### Releases

The shunt and undervoltage releases are special design combining the best in electromechanical and electronic engineering. Most releases are common for AC and DC voltages and are available in a wide voltage range.

### Easy-to-mount rotary handles

Fitted onto the breaker front the device allows the vertical handle movement to be changed into a rotary operation with the ON position at 3 o'clock and the OFF position at 6 o'clock.

### Easy to install

The handles are available as a mounted through a door or a panel and a version where the operator is mounted on the door or panel front.

The door and/or panel mounted units are equipped with (bypassable) interlocks to prevent the door from opening or the panel being removed whilst the breaker is ON. Each breaker size and breaking capacity rating has its own escutcheon and handle that can be quipped with padlocks and/or a keylock.

### Easy to operate

Motor operators Front mounted devices that allow electrical operation of the breaker on which the device is mounted. Westinghouse line offers 6 different electrical operators each tailored to the characteristics of a specific frame size. All of these (one of each frame size) can be mounted in the field.

Common to each of these devices is that they can

be used in a simple connection scheme that can be extended to include a more complex functionality. All Electrical Operators have a user interface that includes a CLEAR and ACCURATE ON, OFF and TRIPPED indication and offer the option to operate locally (Manual) or remotely (Auto).

All devices can be padlocked or keylocked in OFF position.

Easy connection is achieved by locating the terminals in the immediate vicinity of those of the internal accessories and by using terminals with a connection capacity of 0.5 to 2.5mm<sup>2</sup>.

### Standard connection options

The breakers are equipped with front access terminals designed to allow the user to quickly and easily connect standard conductors. The G125 & F160 frame has box clamps suited for cable core or busbars while the J250, K400, K630 and L800 frame sizes are configured to allow for easy busbar connection, cable with lugs.

### Terminal shields

Each breaker can be fitted with tamper resistant, short or long, terminal shields that allow a IP30 finishing of the product. Backplates and phase separators complete this line and consistently enable the user to connect the products safely.

### Plug-in systems

Plug-in mounting systems are available for F, J, K, L & N Frame Breakers.

Plug-in Adapters simplify installation and front removal of circuit breakers. Individual line and load plug-in adapters are available for rear connection applications on 2-, 3- and 4-pole circuit breakers. Common mounting plates for line- and load-end The plug-in system consists of a single-piece moulded base in an IPXXB configuration.

### Draw-out system

The Drawout Cassette is available for use with J Frame, K Frame, L Frame, and N Frame, 3- and 4 pole breakers. Also available are drawout cassettes for use with the standard 3-pole 36kA and 50kA. The cassettes consist of two separate components: the movable mechanism, which attaches to the breaker, and the stationary mechanism which houses in the cassette. The stationary mechanism is shipped separately the J Frame, K Frame, L Frame, and N Frame Drawout cassettes, all necessary parts of installation are included in the one catalog number. Features of the drawout cassettes for J Frame, K Frame, L Frame, and N Frame include:

- Trip on drawout - Breaker will trip if it is in the ON position when withdrawn from the cassette.
- Secondary Terminal Block - The drawout cassettes include a secondary terminal block for easier

# Frame Size G (16-125) Amperes



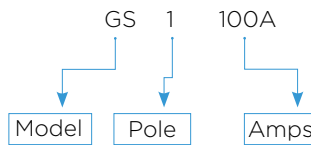
## Product description:

Complying to IEC 60947-2,  
Maximum continuous Ampere rating at 55°C, Voltage 240/415V,  
Frequency 50/60Hz

Ue Maximum	415V
Icu	18/25/36 kA
Ics	18/25/25 kA
Ui	800V
Uimp	8kV

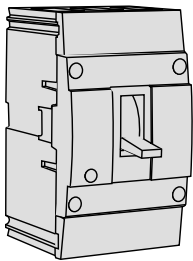
Dimension:	H	W	D	Weight Kgs.
1Pole	130	25	76.8	0.3
2Pole		50		0.5
3Pole		75		0.7
4Pole		100		0.9

Marking  
CE



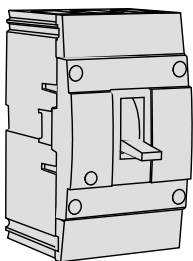
1  
Moulded Case Circuit Breakers

### GI-Frame MCCB 25kA AT 415V Ⓞ (Fixed Thermal & Magnetic) 55°C



In (A)	1 pole		2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	GI1016A	W612826	GI2016A	W612838	GI3016A	W612850	GI4016A	W612862
20A	GI1020A	W612827	GI2020A	W612839	GI3020A	W612851	GI4020A	W612863
25A	GI1025A	W612828	GI2025A	W612840	GI3025A	W612852	GI4025A	W612864
32A	GI1032A	W612829	GI2032A	W612841	GI3032A	W612853	GI4032A	W612865
40A	GI1040A	W612830	GI2040A	W612842	GI3040A	W612854	GI4040A	W612866
50A	GI1050A	W612831	GI2050A	W612843	GI3050A	W612855	GI4050A	W612867
63A	GI1063A	W612832	GI2063A	W612844	GI3063A	W612856	GI4063A	W612868
70A	GI1070A	W612833	GI2070A	W612845	GI3070A	W612857	GI4070A	W612869
80A	GI1080A	W612834	GI2080A	W612846	GI3080A	W612858	GI4080A	W612870
90A	GI1090A	W612835	GI2090A	W612847	GI3090A	W612859	GI4090A	W612871
100A	GI1100A	W612836	GI2100A	W612848	GI3100A	W612860	GI4100A	W612872
125A	GI1125A	W612837	GI2125A	W612849	GI3125A	W612861	GI4125A	W612873

### GS-Frame MCCB 36kA AT 415V Ⓞ (Fixed Thermal & Magnetic) 55°C

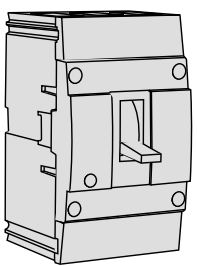


In (A)	1 pole		2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	GS1016A	W612874	GS2016A	W612886	GS3016A	W612898	GS4016A	W612910
20A	GS1020A	W612875	GS2020A	W612887	GS3020A	W612899	GS4020A	W612911
25A	GS1025A	W612876	GS2025A	W612888	GS3025A	W612900	GS4025A	W612912
32A	GS1032A	W612877	GS2032A	W612889	GS3032A	W612901	GS4032A	W612913
40A	GS1040A	W612878	GS2040A	W612890	GS3040A	W612902	GS4040A	W612914
50A	GS1050A	W612879	GS2050A	W612891	GS3050A	W612903	GS4050A	W612915
63A	GS1063A	W612880	GS2063A	W612892	GS3063A	W612904	GS4063A	W612916
70A	GS1070A	W612881	GS2070A	W612893	GS3070A	W612905	GS4070A	W612917
80A	GS1080A	W612882	GS2080A	W612894	GS3080A	W612906	GS4080A	W612918
90A	GS1090A	W612883	GS2090A	W612895	GS3090A	W612907	GS4090A	W612919
100A	GS1100A	W612884	GS2100A	W612896	GS3100A	W612908	GS4100A	W612920
125A	GS1125A	W612885	GS2125A	W612897	GS3125A	W612909	GS4125A	W612921

## Frame Size G (16-125) Amperes

1

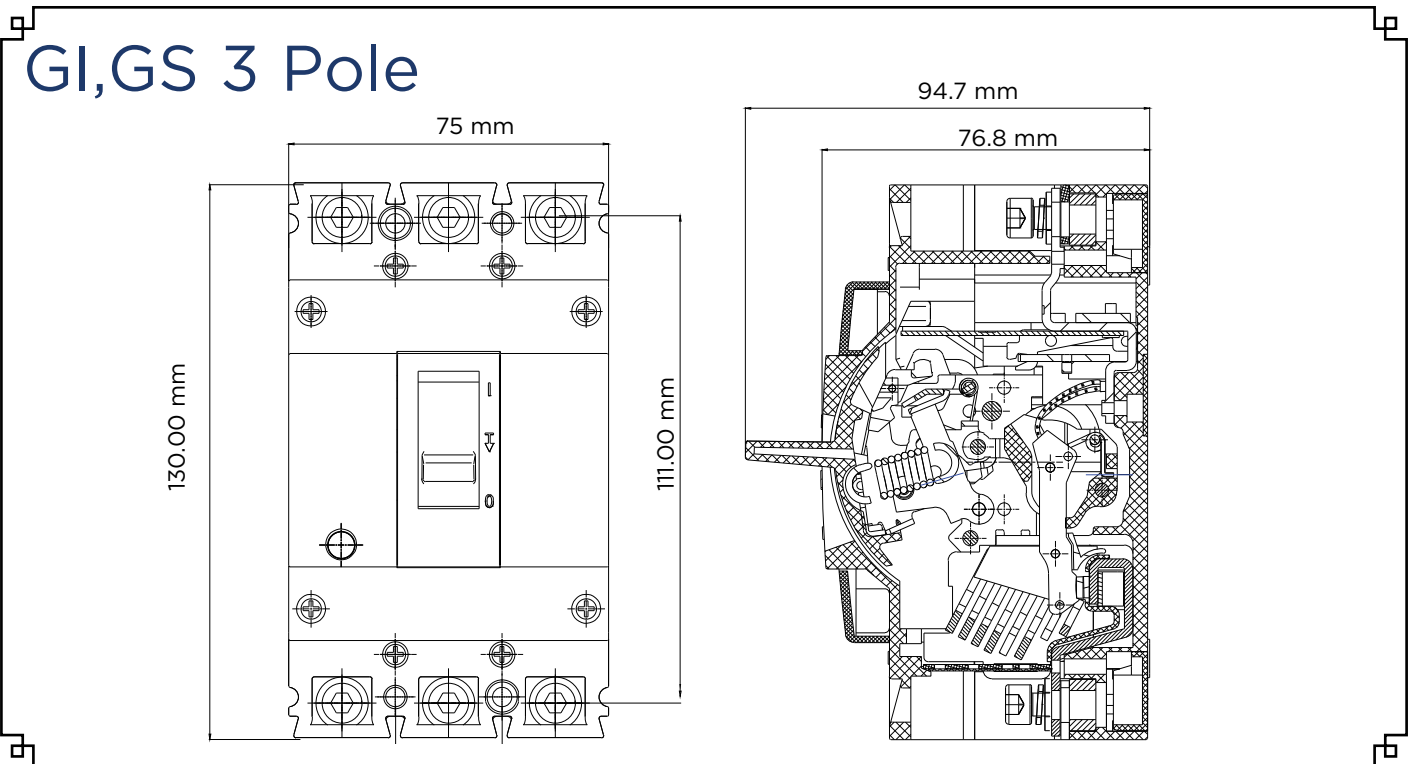
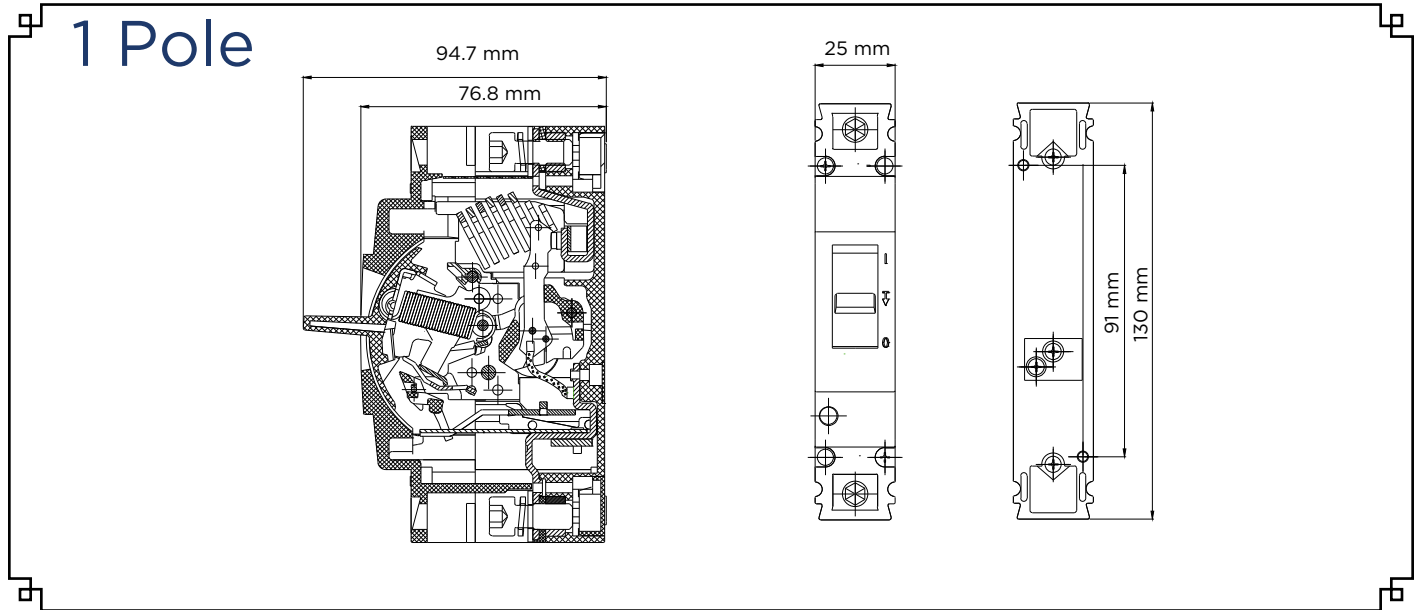
Moulded Case Circuit Breakers



GIY-Frame MCCB Non Automatic Circuit Breaker) 55°C (IEC 60947-3)								
In (A)	1 pole		2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	GIY1016A	W612922	GIY2016A	W612934	GIY3016A	W612946	GIY4016A	W612958
20A	GIY1020A	W612923	GIY2020A	W612935	GIY3020A	W612947	GIY4020A	W612959
25A	GIY1025A	W612924	GIY2025A	W612936	GIY3025A	W612948	GIY4025A	W612960
32A	GIY1032A	W612925	GIY2032A	W612937	GIY3032A	W612949	GIY4032A	W612961
40A	GIY1040A	W612926	GIY2040A	W612938	GIY3040A	W612950	GIY4040A	W612962
50A	GIY1050A	W612927	GIY2050A	W612939	GIY3050A	W612951	GIY4050A	W612963
63A	GIY1063A	W612928	GIY2063A	W612940	GIY3063A	W612952	GIY4063A	W612964
70A	GIY1070A	W612929	GIY2070A	W612941	GIY3070A	W612953	GIY4070A	W612965
80A	GIY1080A	W612930	GIY2080A	W612942	GIY3080A	W612954	GIY4080A	W612966
90A	GIY1090A	W612931	GIY2090A	W612943	GIY3090A	W612955	GIY4090A	W612967
100A	GIY1100A	W612932	GIY2100A	W612944	GIY3100A	W612956	GIY4100A	W612968
125A	GIY1125A	W612933	GIY2125A	W612945	GIY3125A	W612957	GIY4125A	W612969

# Frame Size G (16-125) Amperes

Drawing



1  
Moulded Case Circuit Breakers



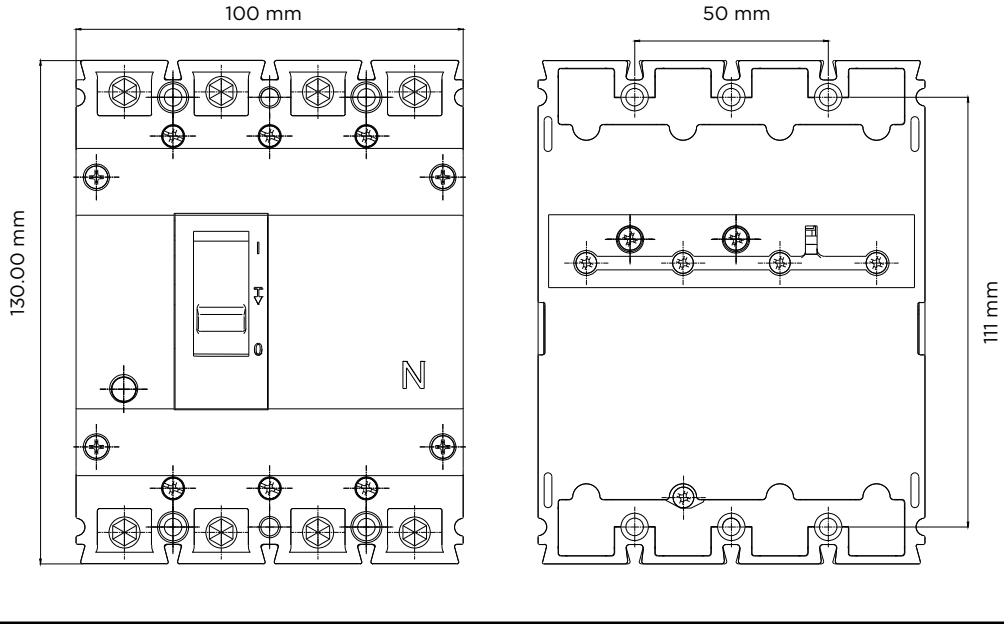
# Frame Size G (16-125) Amperes

Drawing

1

Moulded Case Circuit Breakers

## GI,GS 4 Pole



# Frame Size F (16-160) Amperes



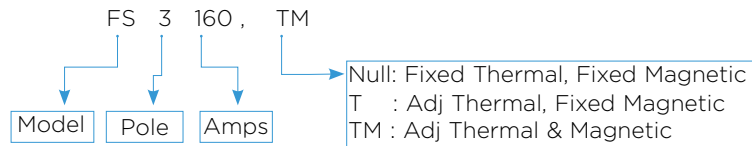
## Product description:

Complying to IEC 60947-2,  
Maximum continuous Ampere rating at 55°C Voltage 240/415V,  
Frequency 50/60Hz

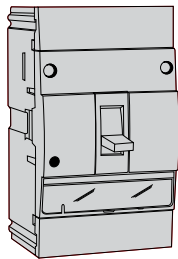
Ue Maximum	415V
Icu	36/50/75 kA
Ics	36/50/75 kA
Ui	800V
Uimp	8kV

Dimension:	H	W	D	Weight Kgs.
2Pole	155	60	87	0.85
3Pole		90		1.4
4Pole		120		1.9

## Marking

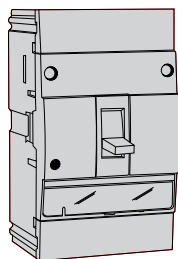


### FS-Frame MCCB 36kA AT 415V (Fixed Thermal & Magnetic) 55°C



In (A)	2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	FS2016	W611645	FS3016	W611658	FS4016	W611671
20A	FS2020	W611646	FS3020	W611659	FS4020	W611672
25A	FS2025	W611647	FS3025	W611660	FS4025	W611673
32A	FS2032	W611648	FS3032	W611661	FS4032	W611674
40A	FS2040	W611649	FS3040	W611662	FS4040	W611675
50A	FS2050	W611650	FS3050	W611663	FS4050	W611676
63A	FS2063	W611651	FS3063	W611664	FS4063	W611677
70A	FS2070	W611652	FS3070	W611665	FS4070	W611678
80A	FS2080	W611653	FS3080	W611666	FS4080	W611679
90A	FS2090	W611654	FS3090	W611667	FS4090	W611680
100A	FS2100	W611655	FS3100	W611668	FS4100	W611681
125A	FS2125	W611656	FS3125	W611669	FS4125	W611682
160A	FS2160	W611657	FS3160	W611670	FS4160	W611683

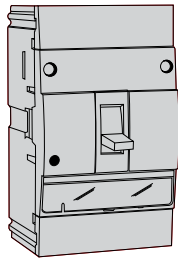
### FH-Frame MCCB 50kA AT 415V (Fixed Thermal & Magnetic) 55°C



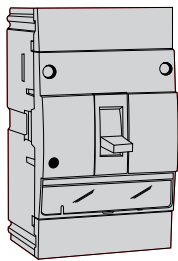
In (A)	2 pole		3 pole		4 pole	
	Cat.No.	Ref.No.	Cat.No.	Ref.No.	Cat.No.	Ref.No.
16A	FH2016	W611684	FH3016	W611697	FH4016	W611710
20A	FH2020	W611685	FH3020	W611698	FH4020	W611711
25A	FH2025	W611686	FH3025	W611699	FH4025	W611712
32A	FH2032	W611687	FH3032	W611700	FH4032	W611713
40A	FH2040	W611688	FH3040	W611701	FH4040	W611714
50A	FH2050	W611689	FH3050	W611702	FH4050	W611715
63A	FH2063	W611690	FH3063	W611703	FH4063	W611716
70A	FH2070	W611691	FH3070	W611704	FH4070	W611717
80A	FH2080	W611692	FH3080	W611705	FH4080	W611718
90A	FH2090	W611693	FH3090	W611706	FH4090	W611719
100A	FH2100	W611694	FH3100	W611707	FH4100	W611720
125A	FH2125	W611695	FH3125	W611708	FH4125	W611721
160A	FH2160	W611696	FH3160	W611709	FH4160	W611722

# Frame Size F (16-160) Amperes

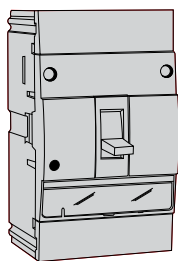
1


**FN-Frame MCCB 75kA AT 415V (Fixed Thermal & Magnetic) 55°C**

In (A)	2 pole		3 pole		4 pole	
	Cat.No.	Ref.No.	Cat.No.	Ref.No.	Cat.No.	Ref.No.
16A	FN2016	W611723	FH3016	W611736	FH4016	W611749
20A	FH2020	W611724	FH3020	W611737	FH4020	W611750
25A	FH2025	W611725	FH3025	W611738	FH4025	W611751
32A	FH2032	W611726	FH3032	W611739	FH4032	W611752
40A	FH2040	W611727	FH3040	W611740	FH4040	W611753
50A	FH2050	W611728	FH3050	W611741	FH4050	W611754
63A	FH2063	W611729	FH3063	W611742	FH4063	W611755
70A	FH2070	W611730	FH3070	W611743	FH4070	W611756
80A	FH2080	W611731	FH3080	W611744	FH4080	W611757
90A	FH2090	W611732	FH3090	W611745	FH4090	W611758
100A	FH2100	W611733	FH3100	W611746	FH4100	W611759
125A	FH2125	W611734	FH3125	W611747	FH4125	W611760
160A	FH2160	W611735	FH3160	W611748	FH4160	W611761


**FS-Frame MCCB 36kA AT 415V (Adjustable Thermal - Fixed Magnetic) 55°C**

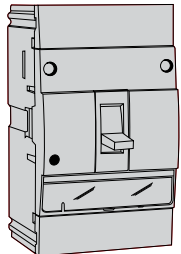
In (A)	2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	FS2016T	W611762	FS3016T	W611775	FS4016T	W611788
20A	FS2020T	W611763	FS3020T	W611776	FS4020T	W611789
25A	FS2025T	W611764	FS3025T	W611777	FS4025T	W611790
32A	FS2032T	W611765	FS3032T	W611778	FS4032T	W611791
40A	FS2040T	W611766	FS3040T	W611779	FS4040T	W611792
50A	FS2050T	W611767	FS3050T	W611780	FS4050T	W611793
63A	FS2063T	W611768	FS3063T	W611781	FS4063T	W611794
70A	FS2070T	W611769	FS3070T	W611782	FS4070T	W611795
80A	FS2080T	W611770	FS3080T	W611783	FS4080T	W611796
90A	FS2090T	W611771	FS3090T	W611784	FS4090T	W611797
100A	FS2100T	W611772	FS3100T	W611785	FS4100T	W611798
125A	FS2125T	W611773	FS3125T	W611786	FS4125T	W611799
160A	FS2160T	W611774	FS3160T	W611787	FS4160T	W611800


**FH-Frame MCCB 50kA AT 415V (Adjustable Thermal - Fixed Magnetic) 55°C**

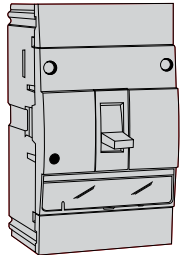
In (A)	2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	FH2016T	W611801	FH3016T	W611814	FH4016T	W611827
20A	FH2020T	W611802	FH3020T	W611815	FH4020T	W611828
25A	FH2025T	W611803	FH3025T	W611816	FH4025T	W611829
32A	FH2032T	W611804	FH3032T	W611817	FH4032T	W611830
40A	FH2040T	W611805	FH3040T	W611818	FH4040T	W611831
50A	FH2050T	W611806	FH3050T	W611819	FH4050T	W611832
63A	FH2063T	W611807	FH3063T	W611820	FH4063T	W611833
70A	FH2070T	W611808	FH3070T	W611821	FH4070T	W611834
80A	FH2080T	W611809	FH3080T	W611822	FH4080T	W611835
90A	FH2090T	W611810	FH3090T	W611823	FH4090T	W611836
100A	FH2100T	W611811	FH3100T	W611824	FH4100T	W611837
125A	FH2125T	W611812	FH3125T	W611825	FH4125T	W611838
160A	FH2160T	W611813	FH3160T	W611826	FH4160T	W611839

# Frame Size F (16-160) Amperes

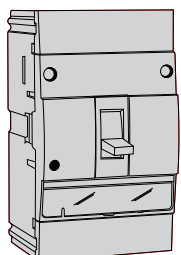
FN-Frame MCCB 50kA AT 415V (Adjustable Thermal - Fixed Magnetic) 55°C							
75 kA	In (A)	2 pole		3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
		16A	FN2016T	W611840	FN3016T	W611853	FN4016T
20A	FN2020T	W611841	FN3020T	W611854	FN4020T	W611867	
25A	FN2025T	W611842	FN3025T	W611855	FN4025T	W611868	
32A	FN2032T	W611843	FN3032T	W611856	FN4032T	W611869	
40A	FN2040T	W611844	FN3040T	W611857	FN4040T	W611870	
50A	FN2050T	W611845	FN3050T	W611858	FN4050T	W611871	
63A	FN2063T	W611846	FN3063T	W611859	FN4063T	W611872	
70A	FN2070T	W611847	FN3070T	W611860	FN4070T	W611873	
80A	FN2080T	W611848	FN3080T	W611861	FN4080T	W611874	
90A	FN2090T	W611849	FN3090T	W611862	FN4090T	W611875	
100A	FN2100T	W611850	FN3100T	W611863	FN4100T	W611876	
125A	FN2125T	W611851	FN3125T	W611864	FN4125T	W611877	
160A	FN2160T	W611852	FN3160T	W611865	FN4160T	W611878	



FS-Frame MCCB 36kA AT 415V (Adjustable Thermal & Magnetic) 55°C							
36 kA	In (A)	2 pole		3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
		16A	FS2016TM	W611879	FS3016TM	W611892	FS4016TM
20A	FS2020TM	W611880	FS3020TM	W611893	FS4020TM	W611906	
25A	FS2025TM	W611881	FS3025TM	W611894	FS4025TM	W611907	
32A	FS2032TM	W611882	FS3032TM	W611895	FS4032TM	W611908	
40A	FS2040TM	W611883	FS3040TM	W611896	FS4040TM	W611909	
50A	FS2050TM	W611884	FS3050TM	W611897	FS4050TM	W611910	
63A	FS2063TM	W611885	FS3063TM	W611898	FS4063TM	W611911	
70A	FS2070TM	W611886	FS3070TM	W611899	FS4070TM	W611912	
80A	FS2080TM	W611887	FS3080TM	W611900	FS4080TM	W611913	
90A	FS2090TM	W611888	FS3090TM	W611901	FS4090TM	W611914	
100A	FS2100TM	W611889	FS3100TM	W611902	FS4100TM	W611915	
125A	FS2125TM	W611890	FS3125TM	W611903	FS4125TM	W611916	
160A	FS2160TM	W611891	FS3160TM	W611904	FS4160TM	W611917	

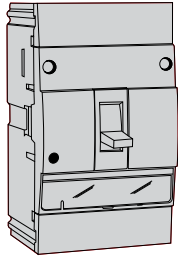


FH-Frame MCCB 50kA AT 415V (Adjustable Thermal & Magnetic) 55°C							
50 kA	In (A)	2 pole		3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
		12.5					
16A	FH2016TM	W611918	FH3016TM	W611931	FH4016TM	W611944	
20A	FH2020TM	W611919	FH3020TM	W611932	FH4020TM	W611945	
25A	FH2025TM	W611920	FH3025TM	W611933	FH4025TM	W611946	
32A	FH2032TM	W611921	FH3032TM	W611934	FH4032TM	W611947	
40A	FH2040TM	W611922	FH3040TM	W611935	FH4040TM	W611948	
50A	FH2050TM	W611923	FH3050TM	W611936	FH4050TM	W611949	
63A	FH2063TM	W611924	FH3063TM	W611937	FH4063TM	W611950	
70A	FH2070TM	W611925	FH3070TM	W611938	FH4070TM	W611951	
80A	FH2080TM	W611926	FH3080TM	W611939	FH4080TM	W611952	
90A	FH2090TM	W611927	FH3090TM	W611940	FH4090TM	W611953	
100A	FH2100TM	W611928	FH3100TM	W611941	FH4100TM	W611954	
125A	FH2125TM	W611929	FH3125TM	W611942	FH4125TM	W611955	
160A	FH2160TM	W611930	FH3160TM	W611943	FH4160TM	W611956	

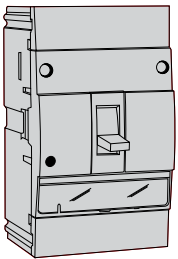


## Frame Size F (16-160) Amperes

1


**FN-Frame MCCB 75kA AT 415V (Adjustable Thermal & Magnetic) 55°C**

12.5	2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	FN2016TM	W611957	FN3016TM	W611557	FN4016TM	W611570
20A	FN2020TM	W611958	FN3020TM	W611558	FN4020TM	W611571
25A	FN2025TM	W611959	FN3025TM	W611559	FN4025TM	W611572
32A	FN2032TM	W611960	FN3032TM	W611560	FN4032TM	W611573
40A	FN2040TM	W611961	FN3040TM	W611561	FN4040TM	W611574
50A	FN2050TM	W611962	FN3050TM	W611562	FN4050TM	W611575
63A	FN2063TM	W611963	FN3063TM	W611563	FN4063TM	W611576
70A	FN2070TM	W611964	FN3070TM	W611564	FN4070TM	W611577
80A	FN2080TM	W611965	FN3080TM	W611565	FN4080TM	W611578
90A	FN2090TM	W611966	FN3090TM	W611566	FN4090TM	W611579
100A	FN2100TM	W611967	FN3100TM	W611567	FN4100TM	W611580
125A	FN2125TM	W611968	FN3125TM	W611568	FN4125TM	W611581
160A	FN2160TM	W611969	FN3160TM	W611569	FN4160TM	W611582

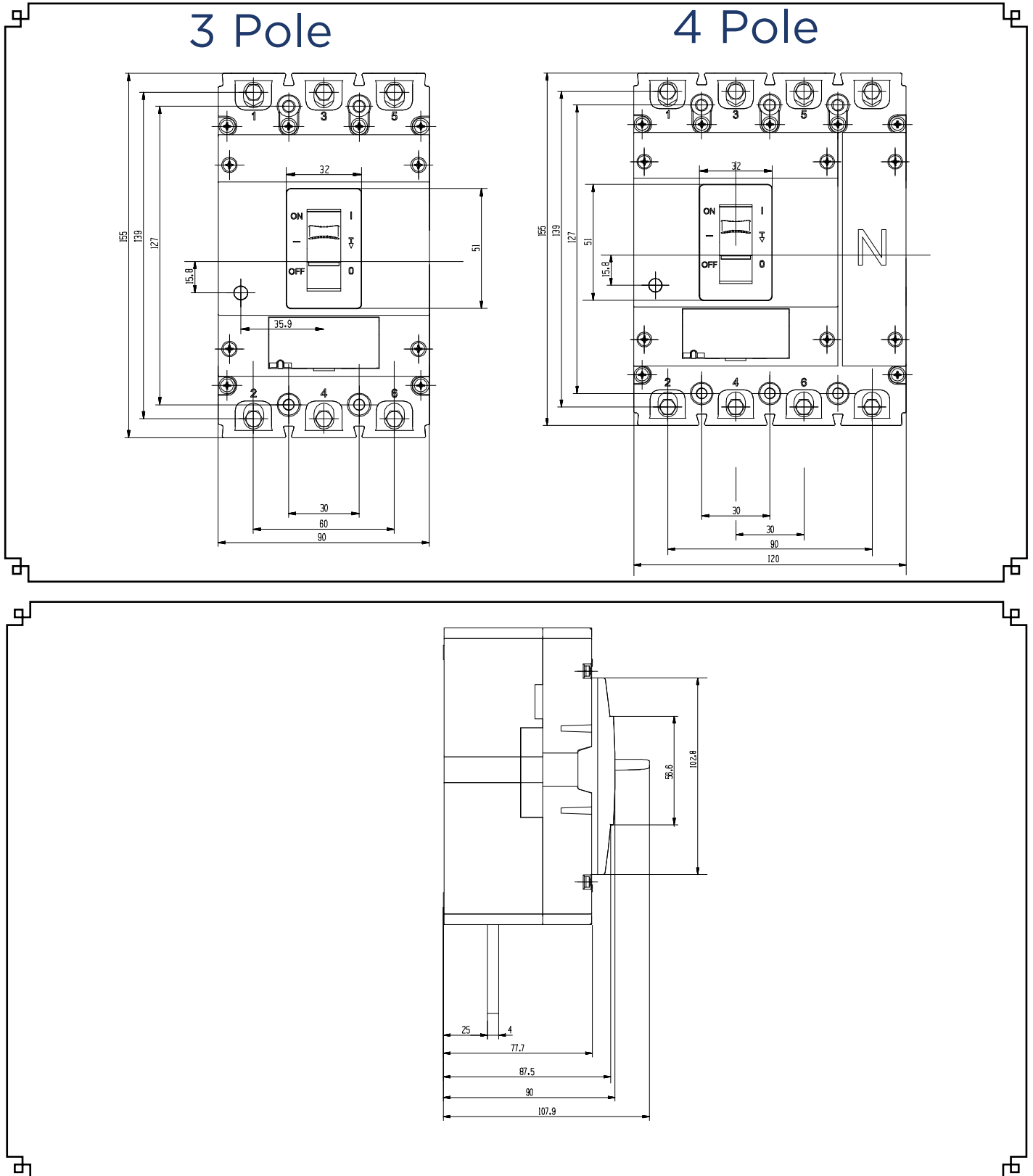
**FNY (Non Automatic Circuit Breaker) 55°C (IEC 60947-3)**


In (A)	2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	FNY2016	W611983	FNY3016	W611996	FNY4016	W612009
20A	FNY2020	W611984	FNY3020	W611997	FNY4020	W612010
25A	FNY2025	W611985	FNY3025	W611998	FNY4025	W612011
32A	FNY2032	W611986	FNY3032	W611999	FNY4032	W612012
40A	FNY2040	W611987	FNY3040	W612000	FNY4040	W612013
50A	FNY2050	W611988	FNY3050	W612001	FNY4050	W612014
63A	FNY2063	W611989	FNY3063	W612002	FNY4063	W612015
70A	FNY2070	W611990	FNY3070	W612003	FNY4070	W612016
80A	FNY2080	W611991	FNY3080	W612004	FNY4080	W612017
90A	FNY2090	W611992	FNY3090	W612005	FNY4090	W612018
100A	FNY2100	W611993	FNY3100	W612006	FNY4100	W612019
125A	FNY2125	W611994	FNY3125	W612007	FNY4125	W612020
160A	FNY2160	W611995	FNY3160	W612008	FNY4160	W612021



# Frame Size F (16-160) Amperes

Drawing



1  
Moulded Case Circuit Breakers

# Frame Size J (100-250) Amperes



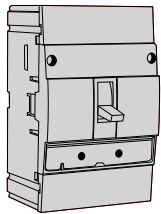
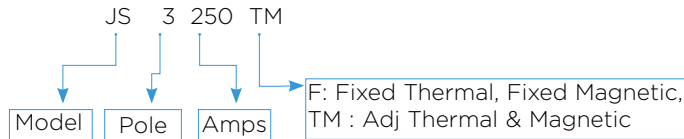
## Product description:

Complying to IEC 60947-2,  
Maximum continuous Ampere rating at 55°C Voltage 240/415V,  
Frequency 50/60Hz

Ue Maximum	415V
Icu	36/50/75 kA
Ics	36/50/75 kA
Ui	800V
Uimp	8kV

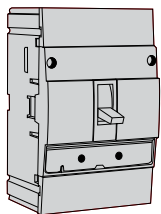
Dimension:	H	W	D	Weight Kgs.
3Pole	165	105	87	1.8
4Pole		140		2.4

## Marking



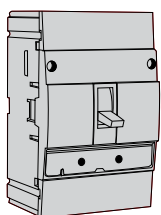
### JS-Frame MCCB 36 kA AT 415V (Fixed Thermal & Magnetic) 55°C

36 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
		100A	JS3100F	W612022	JS4100F
125A	JS3125F	W612023	JS4125F	W612028	
160A	JS3160F	W612024	JS4160F	W612029	
200A	JS3200F	W612025	JS4200F	W612030	
250A	JS3250F	W612026	JS4250F	W612031	



### JH-Frame MCCB 50 kA AT 415V (Fixed Thermal & Magnetic) 55°C

50 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
		100A	JH3100F	W612032	JH4100F
125A	JH3125F	W612033	JH4125F	W612038	
160A	JH3160F	W612034	JH4160F	W612039	
200A	JH3200F	W612035	JH4200F	W612040	
250A	JH3250F	W612036	JH4250F	W612041	

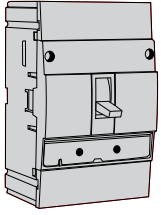


### JN-Frame MCCB 50 kA AT 415V (Fixed Thermal & Magnetic) 55°C

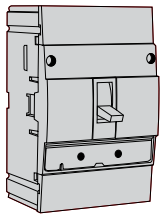
75 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
		100A	JN3100F	W612042	JN4100F
125A	JN3125F	W612043	JN4125F	W612048	
160A	JN3160F	W612044	JN4160F	W612049	
200A	JN3200F	W612045	JN4200F	W612050	
250A	JN3250F	W612046	JN4250F	W612051	

## Frame Size J (100-250) Amperes

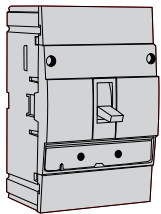
JS-Frame MCCB 36 kA AT 415V (Adjustable Thermal & Magnetic) 55°C					
36 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
	100A	JS3100TM	W612052	JS4100TM	W612057
125A	JS3125TM	W612053	JS4125TM	W612058	
160A	JS3160TM	W612054	JS4160TM	W612059	
200A	JS3200TM	W612055	JS4200TM	W612060	
250A	JS3250TM	W612056	JS4250TM	W612061	



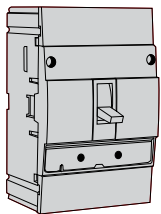
JH-Frame MCCB 50 kA AT 415V (Adjustable Thermal & Magnetic) 55°C					
50 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
	100A	JH3100TM	W612062	JH4100TM	W612067
125A	JH3125TM	W612063	JH4125TM	W612068	
160A	JH3160TM	W612064	JH4160TM	W612069	
200A	JH3200TM	W612065	JH4200TM	W612070	
250A	JH3250TM	W612066	JH4250TM	W612071	



JN-Frame MCCB 75 kA AT 415V (Adjustable Thermal & Magnetic) 55°C					
75 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
	100A	JN3100TM	W611583	JN4100TM	W611588
125A	JN3125TM	W611584	JN4125TM	W611589	
160A	JN3160TM	W611585	JN4160TM	W611590	
200A	JN3200TM	W611586	JN4200TM	W611591	
250A	JN3250TM	W611587	JN4250TM	W611592	



JNY-Frame MCCB (Non-Automatic) 55°C (IEC 60947-3)					
	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
		100A	JNY3100	W612072	JNY4100
	125A	JNY3125	W612073	JNY4125	W612078
	160A	JNY3160	W612074	JNY4160	W612079
	200A	JNY3200	W612075	JNY4200	W612080
	250A	JNY3250	W612076	JNY4250	W612081

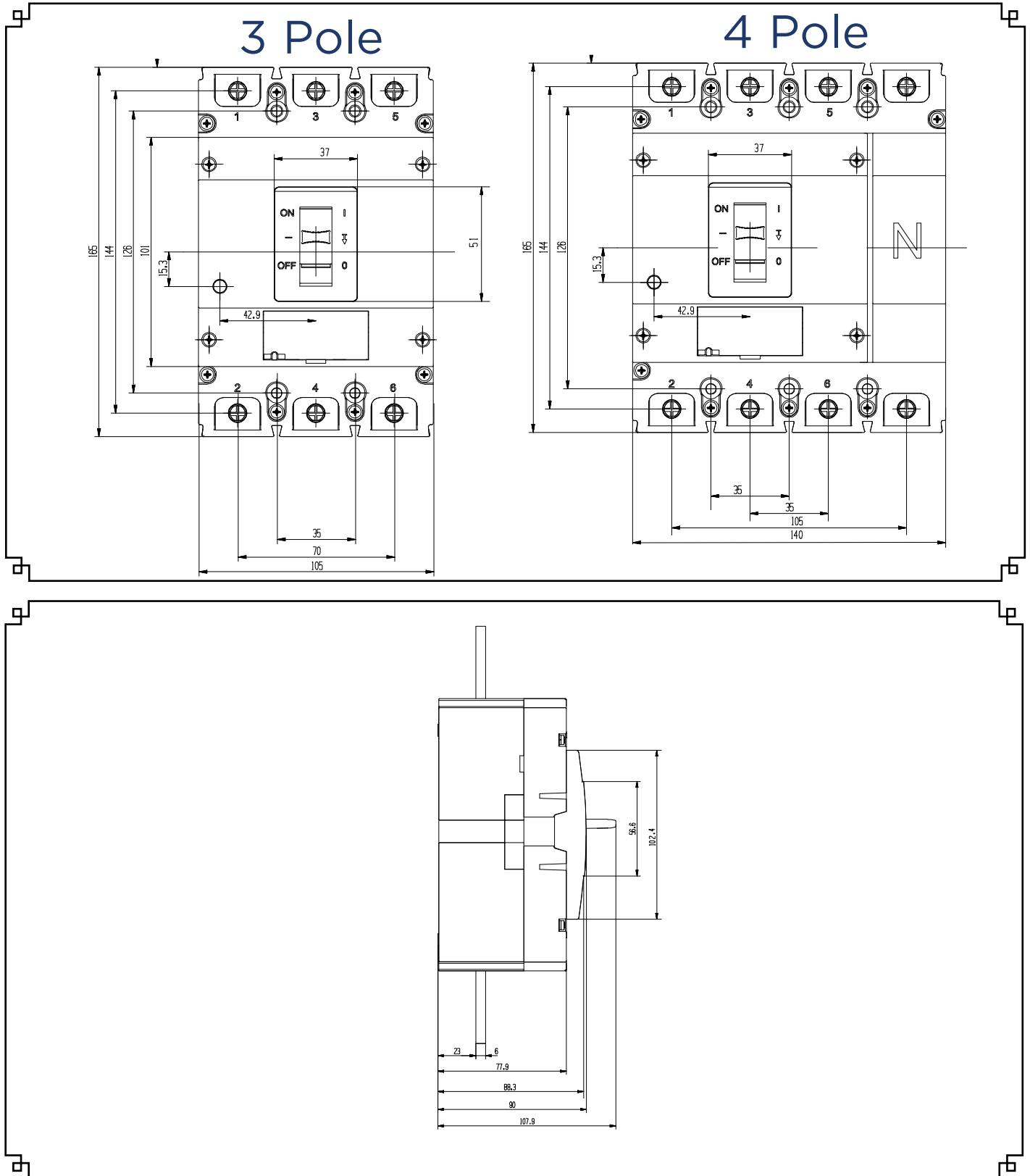


# Frame Size J (100-250) Amperes

Drawing

Moulded Case Circuit Breakers

1



# Frame Size K (250-400) Amperes



## Product description:

Complying to IEC 60947-2,  
Maximum continuous Ampere rating at 55°C Voltage 240/415V,  
Frequency 50/60Hz

Ue Maximum	415V
Icu	36/50/100 kA
Ics	36/50/100 kA
Ui	1000V
Uimp	12kV

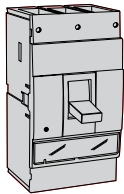
Dimension:	H	W	D	Weight Kgs.
3Pole	257	140	108	4.1
4Pole		184		5.6

Marking  
CE



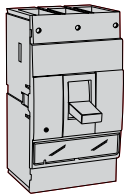
1  
Moulded Case Circuit Breakers

### KS - Frame MCCB 36kA AT 415V (Fixed Thermal & Magnetic) 55°C



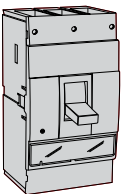
In (A)	3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.
250A	KS3250F	W612082	KS4250F	W612083
300A	KS3300F	W611970	KS4300F	W611974
320A	KS3320F	W611971	KS4320F	W611975
350A	KS3350F	W611972	KS4350F	W611976
400A	KS3400F	W611973	KS4400F	W611977

### KS - Frame MCCB 36kA AT 415V (Adjustable Thermal & Magnetic) 55°C



In (A)	3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.
250A	KS3250TM	W612084	KS4250TM	W612089
300A	KS3300TM	W612085	KS4300TM	W612090
320A	KS3320TM	W612086	KS4320TM	W612091
350A	KS3350TM	W612087	KS4350TM	W612092
400A	KS3400TM	W612088	KS4400TM	W612093

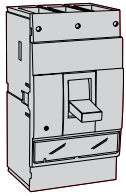
### KH - Frame MCCB 50kA AT 415V (Adjustable Thermal & Magnetic) 55°C



In (A)	3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.
250A	KH3250TM	W612094	KH4250TM	W612099
300A	KH3300TM	W612095	KH4300TM	W612100
320A	KH3320TM	W612096	KH4320TM	W612101
350A	KH3350TM	W612097	KH4350TM	W612102
400A	KH3400TM	W612098	KH4400TM	W612103

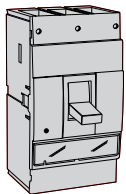


## Frame Size K (250-400) Amperes



KN - Frame MCCB 100kA AT 415V (Adjustable Thermal &amp; Magnetic) 55°C

In (A)	3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.
250A	KN3250TM	W611593	KN4250TM	W611600
300A	KN3300TM	W611594	KN4300TM	W611601
320A	KN3320TM	W611595	KN4320TM	W611602
350A	KN3350TM	W611596	KN4350TM	W611603
400A	KN3400TM	W611597	KN4400TM	W611604

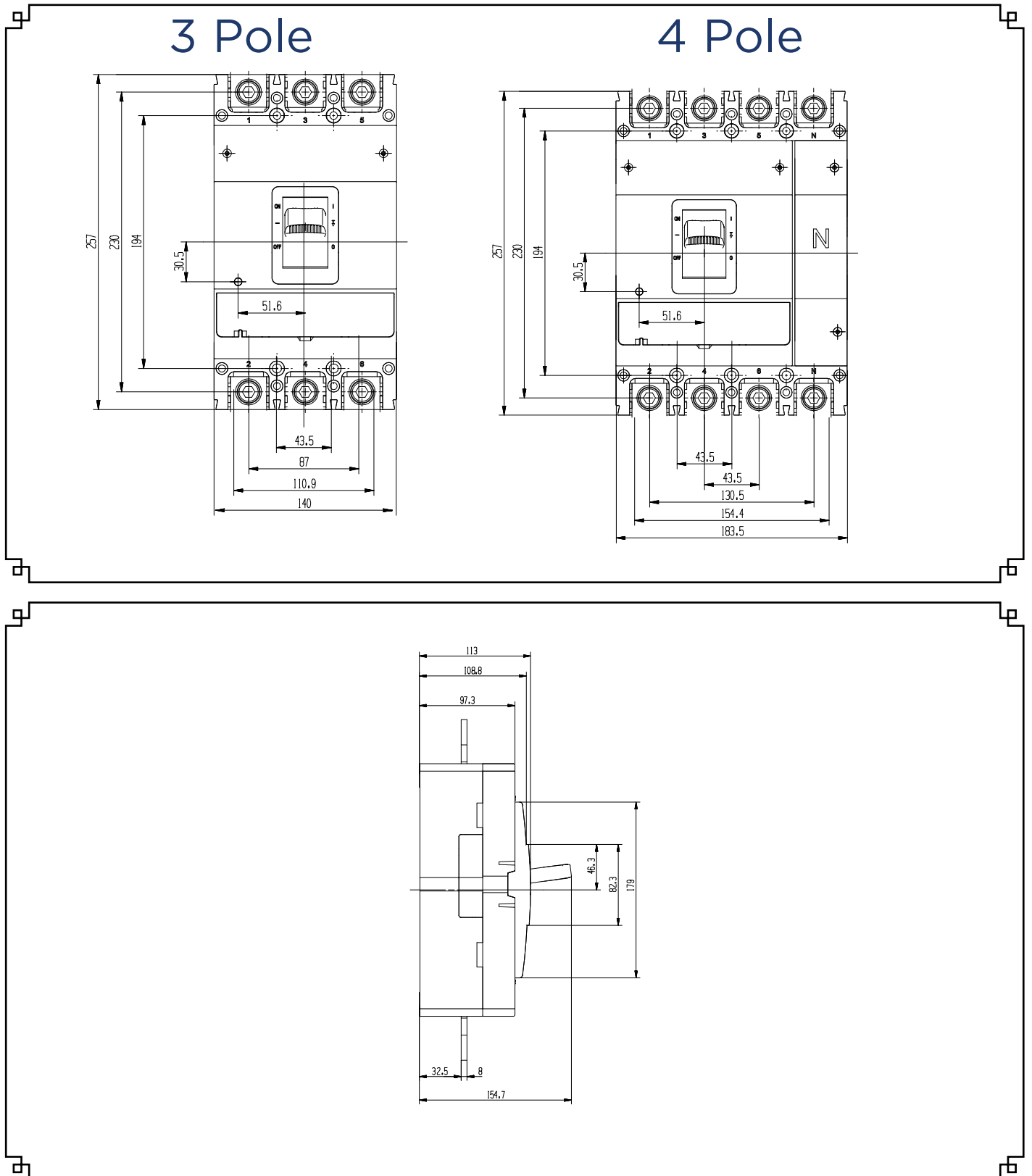


KNY - Frame MCCB (Non-Automatic) 55°C (IEC 60947-3)

In (A)	3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.
250A	KNY3250	W612104	KNY4250	W612109
300A	KNY3300	W612105	KNY4300	W612110
320A	KNY3320	W612106	KNY4320	W612111
350A	KNY3350	W612107	KNY4350	W612112
400A	KNY3400	W612108	KNY4400	W612113

# Frame Size K (250-400) Amperes

Drawing



1  
Moulded Case Circuit Breakers

# Frame Size K (500-630) Amperes



### Product description:

Complying to IEC 60947-2,  
Maximum continuous Ampere rating at 55°C Voltage 240/415V,  
Frequency 50/60Hz

Ue Maximum	415V
Icu	36/50/100 kA
Ics	36/50/100 kA
Ui	1000V
Uimp	12kV

Dimension:	H	W	D	Weight Kgs.
3Pole	257	140	108	4.3
4Pole		185		5.8

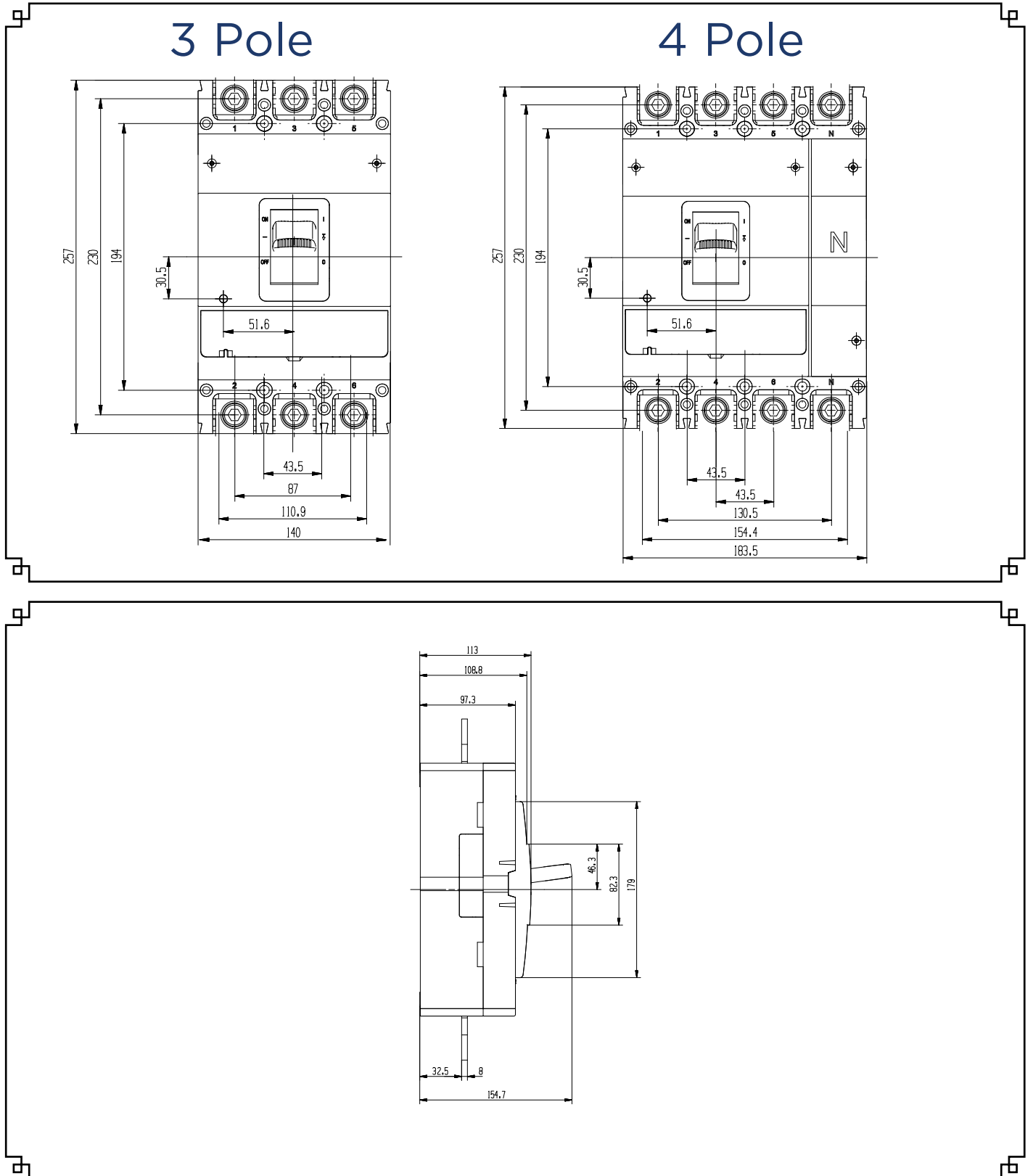
Marking



	KS - Frame MCCB 36kA AT 415V (Fixed Thermal & Magnetic) 55°C					
	36 kA	In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
			500A	KS3500F	W612114	KS4500F
630A	KS3630F	W612115	KS4630F	W612117		
	KS - Frame MCCB 36kA AT 415V (Adjustable Thermal & Magnetic) 55°C					
	36 kA	In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
			500A	KS3500TM	W612118	KS4500TM
630A	KS3630TM	W612119	KS4630TM	W612121		
	KH - Frame MCCB 50kA AT 415V (Adjustable Thermal & Magnetic) 55°C					
	50 kA	In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
			500A	KH3500TM	W612122	KH4500TM
630A	KH3630TM	W612123	KH4630TM	W612125		
	KN - Frame MCCB 100kA AT 415V (Adjustable Thermal & Magnetic) 55°C					
	100 kA	In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
			500A	KN3500TM	W611598	KN4500TM
630A	KN3630TM	W611599	KN4630TM	W611606		
	KNY - Frame MCCB (Non-Automatic) 55°C (IEC 60947-3)					
		In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
			500A	KNY3500	W612126	KNY4500
630A	KNY3630	W612127	KNY4630	W612129		

# Frame Size K (500-630) Amperes

Drawing



1  
Moulded Case Circuit Breakers

# Frame Size L (500-800) Amperes

1



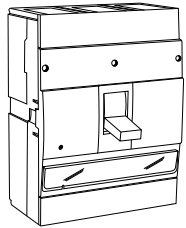
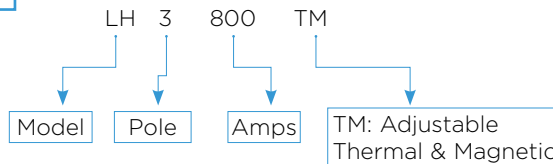
### Product description:

Complying to IEC 60947-2,  
Maximum continuous Ampere rating at 55°C Voltage 240/415V,  
Frequency 50/60Hz

Ue Maximum	415V
Icu	70 kA
Ics	50 kA
Ui	1000V
Uimp	12kV

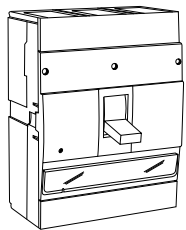
Dimension:	H	W	D	Weight Kgs.
3Pole	275	210	114	9.5
4Pole		280		12.5

Marking  
CE



LH - Frame MCCB 70/50kA AT 415V (Adjustable Thermal & Magnetic) 55°C

70/50 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
500A		LH3500TM	W613114	LH4500TM	W613117
630A		LH3630TM	W613115	LH4630TM	W613118
800A		LH3800TM	W613116	LH4800TM	W613119

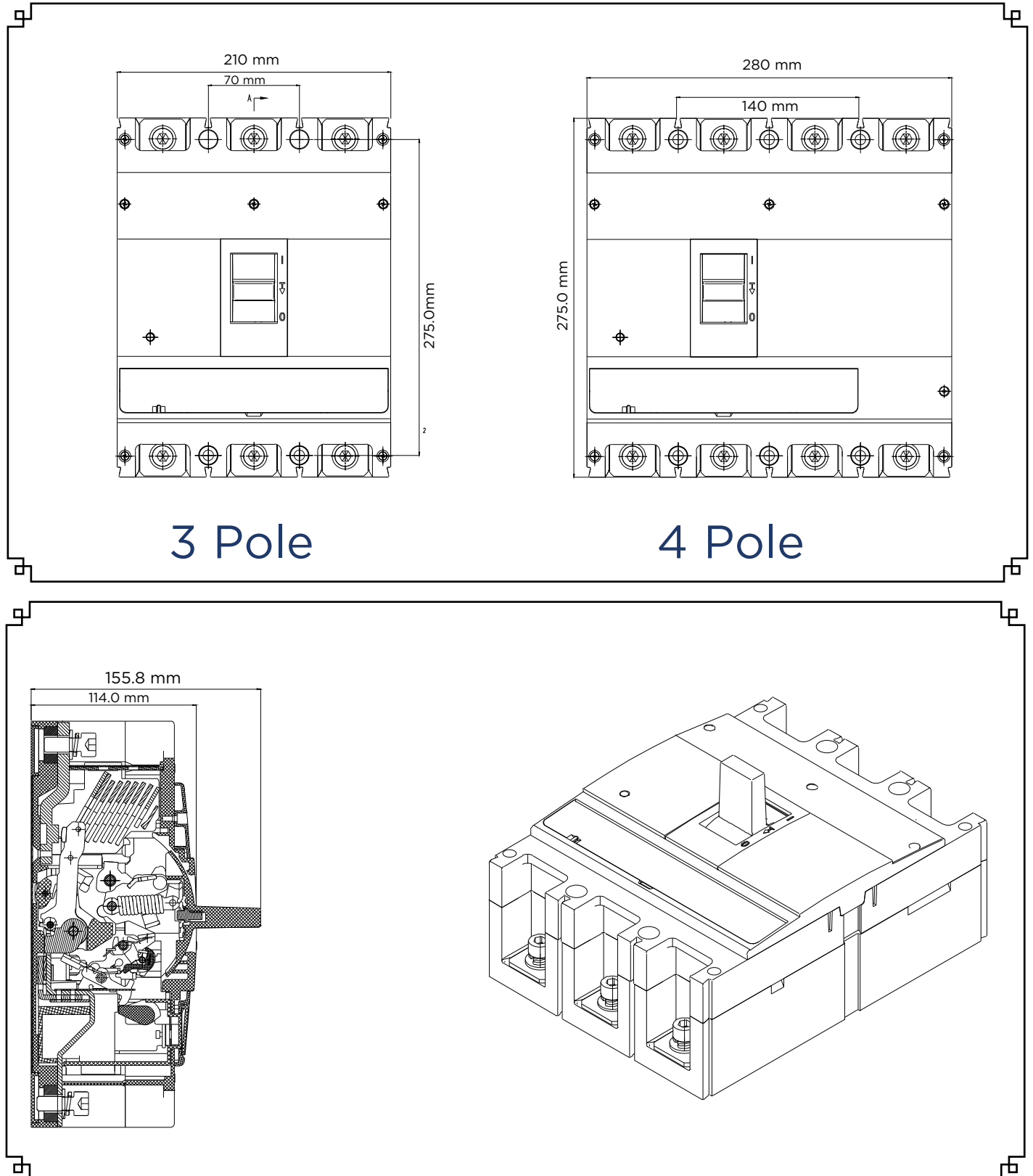


LHY - Frame MCCB (Non-Automatic) 55°C (IEC 60947-3)

In (A)	3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.
500A	LHY3500	W613120	LHY4500	W613123
630A	LHY3630	W613121	LHY4630	W613124
800A	LHY3800	W613122	LHY4800	W613125

# Frame Size L (500-800) Amperes

Drawing



3 Pole

4 Pole

1

Moulded Case Circuit Breakers

# Frame Size N (1000-1250) Amperes

1



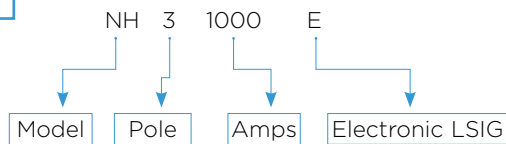
### Product description:

Complying to IEC 60947-2,  
 Maximum continuous Ampere rating at 55°C Voltage 240/415V,  
 Frequency 50/60Hz

Ue Maximum	415V
Icu	70 kA
Ics	50 kA
Ui	1000V
Uimp	12kV

Dimension:	H	W	D	Weight Kgs.
3Pole	406	210	140	21.3
4Pole		280		28.3

Marking



	NH - Frame MCCB 70/50kA AT 415V (Adjustable - LSIG) 55°C					
	70/50 kA	In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
	1000A	NH31000E	W613126	NH41000E	W613128	
	1250A	NH31250E	W613127	NH41250E	W613129	

	NHY - Frame MCCB (Non-Automatic) 55°C (IEC 60947-3)					
		In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
	1000A	NHY31000	W613130	NHY41000	W613132	
	1250A	NHY31250	W613131	NHY41250	W613133	



# Frame Size G (16-125) Amperes



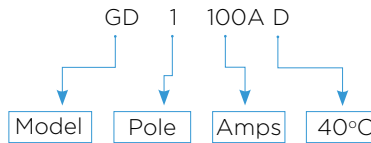
## Product description:

Complying to IEC 60947-2,  
Maximum continuous Ampere rating at 40°C, Voltage 240/415V,  
Frequency 50/60Hz

Ue Maximum	415V
Icu	18/25/36 kA
Ics	18/25/25 kA
Ui	800V
Uimp	8kV

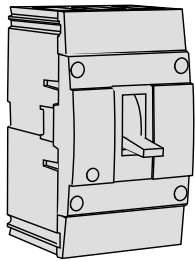
Dimension:	H	W	D	Weight Kgs.
1Pole	130	25	76.8	0.3
2Pole		50		0.5
3Pole		75		0.7
4Pole		100		0.9

Marking  
CE



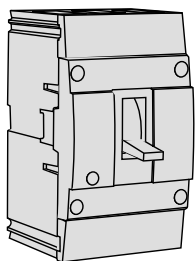
1  
Moulded Case Circuit Breakers

### GI-Frame MCCB 25kA AT 415V Ⓞ (Fixed Thermal & Magnetic) 40°C



In (A)	1 pole		2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	GI1016AD	W612970	GI2016AD	W612982	GI3016AD	W612994	GI4016AD	W613006
20A	GI1020AD	W612971	GI2020AD	W612983	GI3020AD	W612995	GI4020AD	W613007
25A	GI1025AD	W612972	GI2025AD	W612984	GI3025AD	W612996	GI4025AD	W613008
32A	GI1032AD	W612973	GI2032AD	W612985	GI3032AD	W612997	GI4032AD	W613009
40A	GI1040AD	W612974	GI2040AD	W612986	GI3040AD	W612998	GI4040AD	W613010
50A	GI1050AD	W612975	GI2050AD	W612987	GI3050AD	W612999	GI4050AD	W613011
63A	GI1063AD	W612976	GI2063AD	W612988	GI3063AD	W613000	GI4063AD	W613012
70A	GI1070AD	W612977	GI2070AD	W612989	GI3070AD	W613001	GI4070AD	W613013
80A	GI1080AD	W612978	GI2080AD	W612990	GI3080AD	W613002	GI4080AD	W613014
90A	GI1090AD	W612979	GI2090AD	W612991	GI3090AD	W613003	GI4090AD	W613015
100A	GI1100AD	W612980	GI2100AD	W612992	GI3100AD	W613004	GI4100AD	W613016
125A	GI1125AD	W612981	GI2125AD	W612993	GI3125AD	W613005	GI4125AD	W613017

### GS-Frame MCCB 36kA AT 415V Ⓞ (Fixed Thermal & Magnetic) 40°C

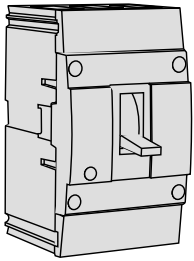


In (A)	1 pole		2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	GS1016AD	W613018	GS2016AD	W613030	GS3016AD	W613042	GS4016AD	W613054
20A	GS1020AD	W613019	GS2020AD	W613031	GS3020AD	W613043	GS4020AD	W613055
25A	GS1025AD	W613020	GS2025AD	W613032	GS3025AD	W613044	GS4025AD	W613056
32A	GS1032AD	W613021	GS2032AD	W613033	GS3032AD	W613045	GS4032AD	W613057
40A	GS1040AD	W613022	GS2040AD	W613034	GS3040AD	W613046	GS4040AD	W613058
50A	GS1050AD	W613023	GS2050AD	W613035	GS3050AD	W613047	GS4050AD	W613059
63A	GS1063AD	W613024	GS2063AD	W613036	GS3063AD	W613048	GS4063AD	W613060
70A	GS1070AD	W613025	GS2070AD	W613037	GS3070AD	W613049	GS4070AD	W613061
80A	GS1080AD	W613026	GS2080AD	W613038	GS3080AD	W613050	GS4080AD	W613062
90A	GS1090AD	W613027	GS2090AD	W613039	GS3090AD	W613051	GS4090AD	W613063
100A	GS1100AD	W613028	GS2100AD	W613040	GS3100AD	W613052	GS4100AD	W613064
125A	GS1125AD	W613029	GS2125AD	W613041	GS3125AD	W613053	GS4125AD	W613065

## Frame Size G (16-125) Amperes

1

Moulded Case Circuit Breakers

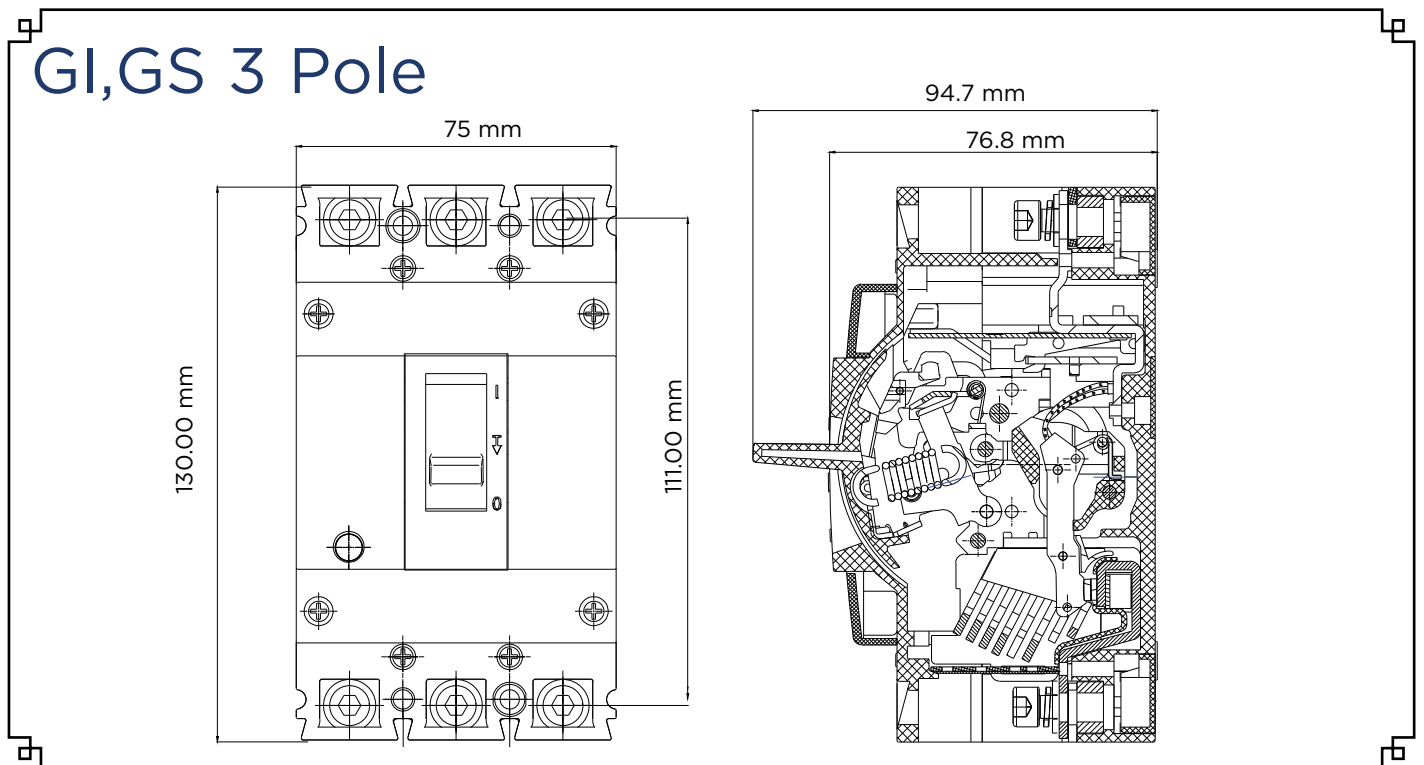
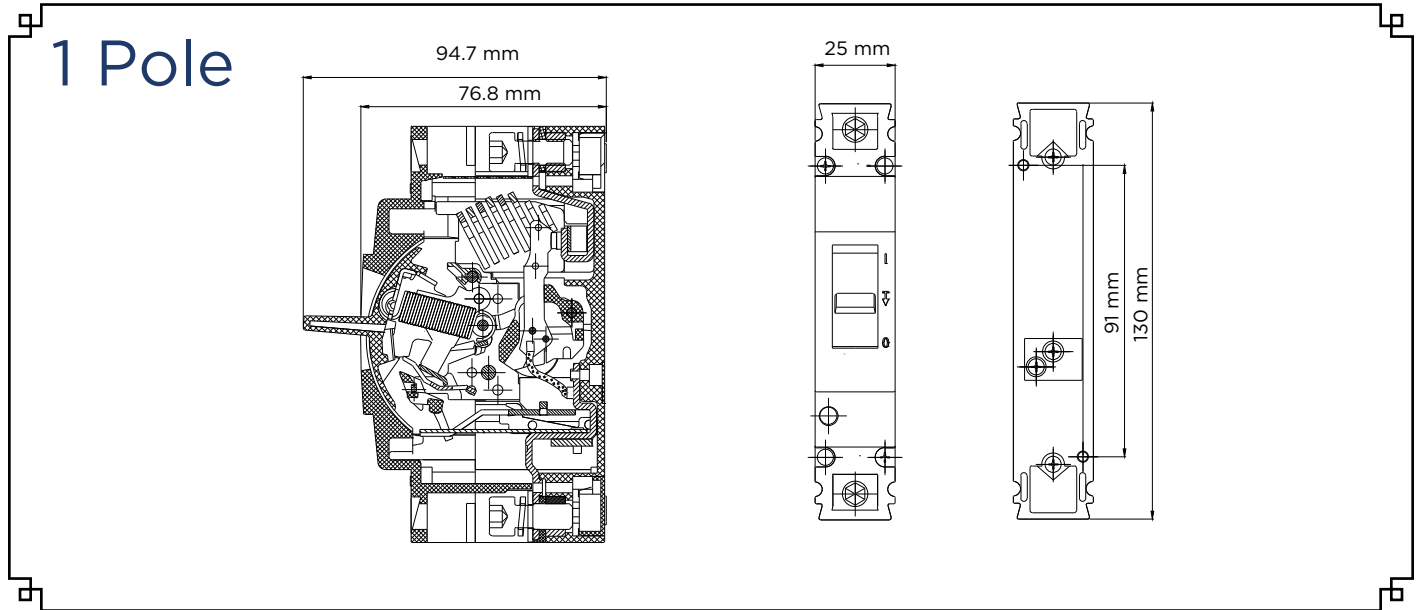


GIY-Frame MCCB Non Automatic Circuit Breaker) 40°C (IEC 60947-3)

In (A)	1 pole		2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	GIY1016AD	W613066	GIY2016AD	W613078	GIY3016AD	W613090	GIY4016AD	W613102
20A	GIY1020AD	W613067	GIY2020AD	W613079	GIY3020AD	W613091	GIY4020AD	W613103
25A	GIY1025AD	W613068	GIY2025AD	W613080	GIY3025AD	W613092	GIY4025AD	W613104
32A	GIY1032AD	W613069	GIY2032AD	W613081	GIY3032AD	W613093	GIY4032AD	W613105
40A	GIY1040AD	W613070	GIY2040AD	W613082	GIY3040AD	W613094	GIY4040AD	W613106
50A	GIY1050AD	W613071	GIY2050AD	W613083	GIY3050AD	W613095	GIY4050AD	W613107
63A	GIY1063AD	W613072	GIY2063AD	W613084	GIY3063AD	W613096	GIY4063AD	W613108
70A	GIY1070AD	W613073	GIY2070AD	W613085	GIY3070AD	W613097	GIY4070AD	W613109
80A	GIY1080AD	W613074	GIY2080AD	W613086	GIY3080AD	W613098	GIY4080AD	W613110
90A	GIY1090AD	W613075	GIY2090AD	W613087	GIY3090AD	W613099	GIY4090AD	W613111
100A	GIY1100AD	W613076	GIY2100AD	W613088	GIY3100AD	W613100	GIY4100AD	W613112
125A	GIY1125AD	W613077	GIY2125AD	W613089	GIY3125AD	W613101	GIY4125AD	W613113

# Frame Size G (16-125) Amperes

Drawing



1  
Moulded Case Circuit Breakers

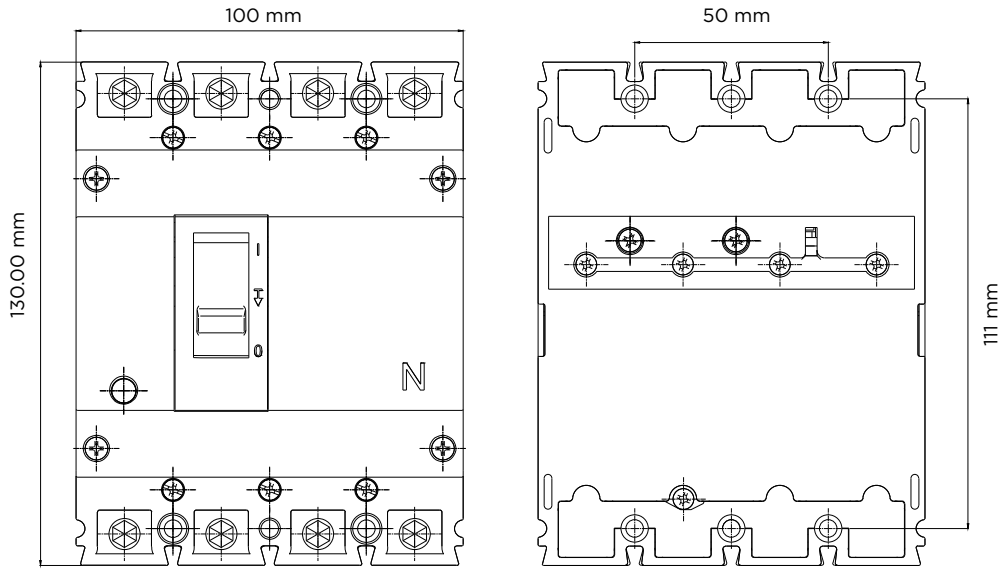
# Frame Size G (16-125) Amperes

Drawing

Moulded Case Circuit Breakers

1

## GI,GS 4 Pole



# Frame Size F (16-160) Amperes



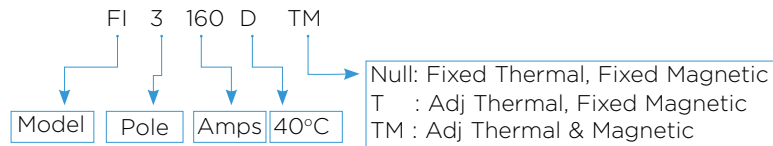
## Product description:

Complying to IEC 60947-2,  
Maximum continuous Ampere rating at 40°C Voltage 240/415V,  
Frequency 50/60Hz

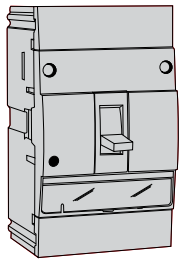
Ue Maximum	415V
Icu	36/50/75 kA
Ics	36/50/75 kA
Ui	800V
Uimp	8kV

Dimension:	H	W	D	Weight Kgs.
2Pole	155	60	87	0.85
3Pole		90		1.4
4Pole		120		1.9

Marking  
CE

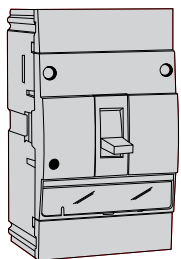


### FS-Frame MCCB 36kA AT 415V (Fixed Thermal & Magnetic) 40°C



In (A)	2 pole		3 pole		4 pole	
	Cat.No.	Ref.No.	Cat.No.	Ref.No.	Cat.No.	Ref.No.
16A	FS2016D	W612276	FS3016D	W612289	FS4016D	W612302
20A	FS2020D	W612277	FS3020D	W612290	FS4020D	W612303
25A	FS2025D	W612278	FS3025D	W612291	FS4025D	W612304
32A	FS2032D	W612279	FS3032D	W612292	FS4032D	W612305
40A	FS2040D	W612280	FS3040D	W612293	FS4040D	W612306
50A	FS2050D	W612281	FS3050D	W612294	FS4050D	W612307
63A	FS2063D	W612282	FS3063D	W612295	FS4063D	W612308
70A	FS2070D	W612283	FS3070D	W612296	FS4070D	W612309
80A	FS2080D	W612284	FS3080D	W612297	FS4080D	W612310
90A	FS2090D	W612285	FS3090D	W612298	FS4090D	W612311
100A	FS2100D	W612286	FS3100D	W612299	FS4100D	W612312
125A	FS2125D	W612287	FS3125D	W612300	FS4125D	W612313
160A	FS2160D	W612288	FS3160D	W612301	FS4160D	W612314

### FH-Frame MCCB 50kA AT 415V (Fixed Thermal & Magnetic) 40°C

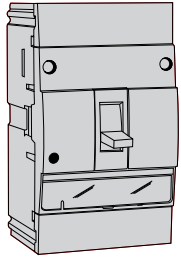


In (A)	2 pole		3 pole		4 pole	
	Cat.No.	Ref.No.	Cat.No.	Ref.No.	Cat.No.	Ref.No.
16A	FH2016D	W612315	FH3016D	W612328	FH4016D	W612341
20A	FH2020D	W612316	FH3020D	W612329	FH4020D	W612342
25A	FH2025D	W612317	FH3025D	W612330	FH4025D	W612343
32A	FH2032D	W612318	FH3032D	W612331	FH4032D	W612344
40A	FH2040D	W612319	FH3040D	W612332	FH4040D	W612345
50A	FH2050D	W612320	FH3050D	W612333	FH4050D	W612346
63A	FH2063D	W612321	FH3063D	W612334	FH4063D	W612347
70A	FH2070D	W612322	FH3070D	W612335	FH4070D	W612348
80A	FH2080D	W612323	FH3080D	W612336	FH4080D	W612349
90A	FH2090D	W612324	FH3090D	W612337	FH4090D	W612350
100A	FH2100D	W612325	FH3100D	W612338	FH4100D	W612351
125A	FH2125D	W612326	FH3125D	W612339	FH4125D	W612352
160A	FH2160D	W612327	FH3160D	W612340	FH4160D	W612353

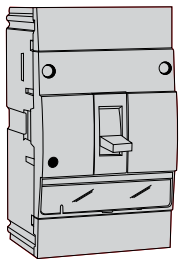
1  
Moulded Case Circuit Breakers

# Frame Size F (16-160) Amperes

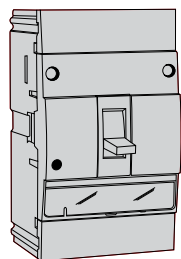
1


**FN-Frame MCCB 75kA AT 415V (Fixed Thermal & Magnetic) 40°C**

In (A)	2 pole		3 pole		4 pole	
	Cat.No.	Ref.No.	Cat.No.	Ref.No.	Cat.No.	Ref.No.
16A	FN2016D	W612354	FN3016D	W612367	FN4016D	W612380
20A	FN2020D	W612355	FN3020D	W612368	FN4020D	W612381
25A	FN2025D	W612356	FN3025D	W612369	FN4025D	W612382
32A	FN2032D	W612357	FN3032D	W612370	FN4032D	W612383
40A	FN2040D	W612358	FN3040D	W612371	FN4040D	W612384
50A	FN2050D	W612359	FN3050D	W612372	FN4050D	W612385
63A	FN2063D	W612360	FN3063D	W612373	FN4063D	W612386
70A	FN2070D	W612361	FN3070D	W612374	FN4070D	W612387
80A	FN2080D	W612362	FN3080D	W612375	FN4080D	W612388
90A	FN2090D	W612363	FN3090D	W612376	FN4090D	W612389
100A	FN2100D	W612364	FN3100D	W612377	FN4100D	W612390
125A	FN2125D	W612365	FN3125D	W612378	FN4125D	W612391
160A	FN2160D	W612366	FN3160D	W612379	FN4160D	W612392


**FS-Frame MCCB 36kA AT 415V (Adjustable Thermal - Fixed Magnetic) 40°C**

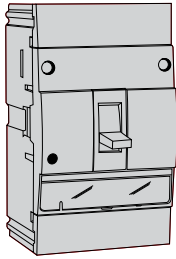
In (A)	2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	FS2016DT	W612393	FS3016DT	W612406	FS4016DT	W612419
20A	FS2020DT	W612394	FS3020DT	W612407	FS4020DT	W612420
25A	FS2025DT	W612395	FS3025DT	W612408	FS4025DT	W612421
32A	FS2032DT	W612396	FS3032DT	W612409	FS4032DT	W612422
40A	FS2040DT	W612397	FS3040DT	W612410	FS4040DT	W612423
50A	FS2050DT	W612398	FS3050DT	W612411	FS4050DT	W612424
63A	FS2063DT	W612399	FS3063DT	W612412	FS4063DT	W612425
70A	FS2070DT	W612400	FS3070DT	W612413	FS4070DT	W612426
80A	FS2080DT	W612401	FS3080DT	W612414	FS4080DT	W612427
90A	FS2090DT	W612402	FS3090DT	W612415	FS4090DT	W612428
100A	FS2100DT	W612403	FS3100DT	W612416	FS4100DT	W612429
125A	FS2125DT	W612404	FS3125DT	W612417	FS4125DT	W612430
160A	FS2160DT	W612405	FS3160DT	W612418	FS4160DT	W612431


**FH-Frame MCCB 50kA AT 415V (Adjustable Thermal - Fixed Magnetic) 40°C**

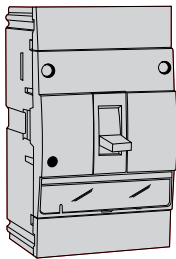
In (A)	2 pole		3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
16A	FH2016DT	W612432	FH3016DT	W612445	FH4016DT	W612458
20A	FH2020DT	W612433	FH3020DT	W612446	FH4020DT	W612459
25A	FH2025DT	W612434	FH3025DT	W612447	FH4025DT	W612460
32A	FH2032DT	W612435	FH3032DT	W612448	FH4032DT	W612461
40A	FH2040DT	W612436	FH3040DT	W612449	FH4040DT	W612462
50A	FH2050DT	W612437	FH3050DT	W612450	FH4050DT	W612463
63A	FH2063DT	W612438	FH3063DT	W612451	FH4063DT	W612464
70A	FH2070DT	W612439	FH3070DT	W612452	FH4070DT	W612465
80A	FH2080DT	W612440	FH3080DT	W612453	FH4080DT	W612466
90A	FH2090DT	W612441	FH3090DT	W612454	FH4090DT	W612467
100A	FH2100DT	W612442	FH3100DT	W612455	FH4100DT	W612468
125A	FH2125DT	W612443	FH3125DT	W612456	FH4125DT	W612469
160A	FH2160DT	W612444	FH3160DT	W612457	FH4160DT	W612470

# Frame Size F (16-160) Amperes

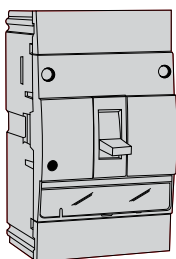
FN-Frame MCCB 75kA AT 415V (Adjustable Thermal - Fixed Magnetic) 40°C							
75 kA	In (A)	2 pole		3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
		16A	FN2016DT	W612471	FN3016DT	W612484	FN4016DT
20A	FN2020DT	W612472	FN3020DT	W612485	FN4020DT	W612498	
25A	FN2025DT	W612473	FN3025DT	W612486	FN4025DT	W612499	
32A	FN2032DT	W612474	FN3032DT	W612487	FN4032DT	W612500	
40A	FN2040DT	W612475	FN3040DT	W612488	FN4040DT	W612501	
50A	FN2050DT	W612476	FN3050DT	W612489	FN4050DT	W612502	
63A	FN2063DT	W612477	FN3063DT	W612490	FN4063DT	W612503	
70A	FN2070DT	W612478	FN3070DT	W612491	FN4070DT	W612504	
80A	FN2080DT	W612479	FN3080DT	W612492	FN4080DT	W612505	
90A	FN2090DT	W612480	FN3090DT	W612493	FN4090DT	W612506	
100A	FN2100DT	W612481	FN3100DT	W612494	FN4100DT	W612507	
125A	FN2125DT	W612482	FN3125DT	W612495	FN4125DT	W612508	
160A	FN2160DT	W612483	FN3160DT	W612496	FN4160DT	W612509	



FS-Frame MCCB 36kA AT 415V (Adjustable Thermal & Magnetic) 40°C							
36 kA	In (A)	2 pole		3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
		16A	FS2016DTM	W612510	FS3016DTM	W612523	FS4016DTM
20A	FS2020DTM	W612511	FS3020DTM	W612524	FS4020DTM	W612537	
25A	FS2025DTM	W612512	FS3025DTM	W612525	FS4025DTM	W612538	
32A	FS2032DTM	W612513	FS3032DTM	W612526	FS4032DTM	W612539	
40A	FS2040DTM	W612514	FS3040DTM	W612527	FS4040DTM	W612540	
50A	FS2050DTM	W612515	FS3050DTM	W612528	FS4050DTM	W612541	
63A	FS2063DTM	W612516	FS3063DTM	W612529	FS4063DTM	W612542	
70A	FS2070DTM	W612517	FS3070DTM	W612530	FS4070DTM	W612543	
80A	FS2080DTM	W612518	FS3080DTM	W612531	FS4080DTM	W612544	
90A	FS2090DTM	W612519	FS3090DTM	W612532	FS4090DTM	W612545	
100A	FS2100DTM	W612520	FS3100DTM	W612533	FS4100DTM	W612546	
125A	FS2125DTM	W612521	FS3125DTM	W612534	FS4125DTM	W612547	
160A	FS2160DTM	W612522	FS3160DTM	W612535	FS4160DTM	W612548	



FH-Frame MCCB 50kA AT 415V (Adjustable Thermal & Magnetic) 40°C							
50 kA	12.5	2 pole		3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.
		16A	FH2016DTM	W612549	FH3016DTM	W612562	FH4016DTM
20A	FH2020DTM	W612550	FH3020DTM	W612563	FH4020DTM	W612576	
25A	FH2025DTM	W612551	FH3025DTM	W612564	FH4025DTM	W612577	
32A	FH2032DTM	W612552	FH3032DTM	W612565	FH4032DTM	W612578	
40A	FH2040DTM	W612553	FH3040DTM	W612566	FH4040DTM	W612579	
50A	FH2050DTM	W612554	FH3050DTM	W612567	FH4050DTM	W612580	
63A	FH2063DTM	W612555	FH3063DTM	W612568	FH4063DTM	W612581	
70A	FH2070DTM	W612556	FH3070DTM	W612569	FH4070DTM	W612582	
80A	FH2080DTM	W612557	FH3080DTM	W612570	FH4080DTM	W612583	
90A	FH2090DTM	W612558	FH3090DTM	W612571	FH4090DTM	W612584	
100A	FH2100DTM	W612559	FH3100DTM	W612572	FH4100DTM	W612585	
125A	FH2125DTM	W612560	FH3125DTM	W612573	FH4125DTM	W612586	
160A	FH2160DTM	W612561	FH3160DTM	W612574	FH4160DTM	W612587	

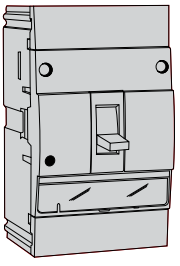




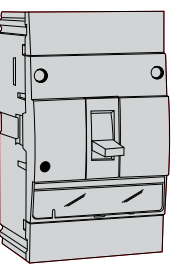
# Frame Size F (16-160) Amperes

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Moulded Case Circuit Breakers



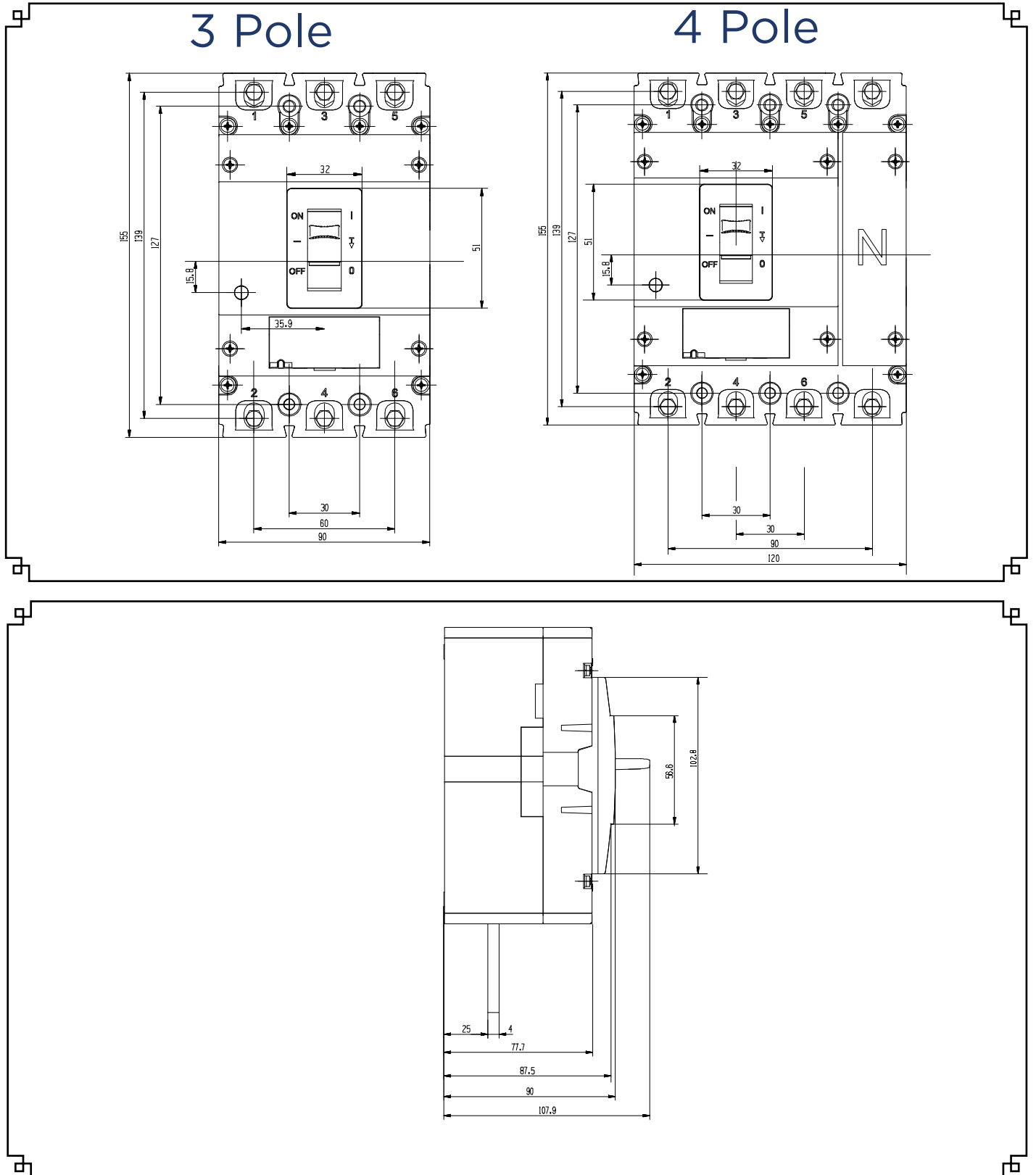
FN-Frame MCCB 75kA AT 415V (Adjustable Thermal & Magnetic) 40°C							
In (A)	2 pole		3 pole		4 pole		
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.	
16A	FN2016DTM	W612588	FN3016DTM	W612601	FN4016DTM	W612614	
20A	FN2020DTM	W612589	FN3020DTM	W612602	FN4020DTM	W612615	
25A	FN2025DTM	W612590	FN3025DTM	W612603	FN4025DTM	W612616	
32A	FN2032DTM	W612591	FN3032DTM	W612604	FN4032DTM	W612617	
40A	FN2040DTM	W612592	FN3040DTM	W612605	FN4040DTM	W612618	
50A	FN2050DTM	W612593	FN3050DTM	W612606	FN4050DTM	W612619	
63A	FN2063DTM	W612594	FN3063DTM	W612607	FN4063DTM	W612620	
70A	FN2070DTM	W612595	FN3070DTM	W612608	FN4070DTM	W612621	
80A	FN2080DTM	W612596	FN3080DTM	W612609	FN4080DTM	W612622	
90A	FN2090DTM	W612597	FN3090DTM	W612610	FN4090DTM	W612623	
100A	FN2100DTM	W612598	FN3100DTM	W612611	FN4100DTM	W612624	
125A	FN2125DTM	W612599	FN3125DTM	W612612	FN4125DTM	W612625	
160A	FN2160DTM	W612600	FN3160DTM	W612613	FN4160DTM	W612626	



FNY (Non Automatic Circuit Breaker) 40°C (IEC 60947-3)							
In (A)	2 pole		3 pole		4 pole		
	Cat. No.	Ref.No.	Cat. No.	Ref.No.	Cat. No.	Ref.No.	
16A	FNY2016D	W612627	FNY3016D	W612640	FNY4016D	W612653	
20A	FNY2020D	W612628	FNY3020D	W612641	FNY4020D	W612654	
25A	FNY2025D	W612629	FNY3025D	W612642	FNY4025D	W612655	
32A	FNY2032D	W612630	FNY3032D	W612643	FNY4032D	W612656	
40A	FNY2040D	W612631	FNY3040D	W612644	FNY4040D	W612657	
50A	FNY2050D	W612632	FNY3050D	W612645	FNY4050D	W612658	
63A	FNY2063D	W612633	FNY3063D	W612646	FNY4063D	W612659	
70A	FNY2070D	W612634	FNY3070D	W612647	FNY4070D	W612660	
80A	FNY2080D	W612635	FNY3080D	W612648	FNY4080D	W612661	
90A	FNY2090D	W612636	FNY3090D	W612649	FNY4090D	W612662	
100A	FNY2100D	W612637	FNY3100D	W612650	FNY4100D	W612663	
125A	FNY2125D	W612638	FNY3125D	W612651	FNY4125D	W612664	
160A	FNY2160D	W612639	FNY3160D	W612652	FNY4160D	W612665	

# Frame Size F (16-160) Amperes

Drawing



1  
Moulded Case Circuit Breakers

# Frame Size J (100-250) Amperes



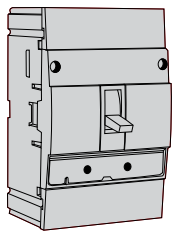
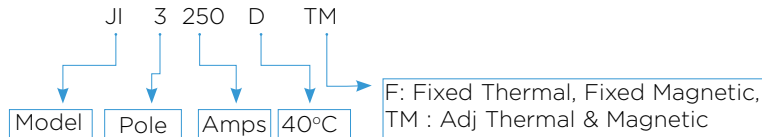
## Product description:

Complying to IEC 60947-2,  
Maximum continuous Ampere rating at 40°C Voltage 240/415V,  
Frequency 50/60Hz

Ue Maximum	415V
Icu	36/50/70 kA
Ics	36/50/70 kA
Ui	800V
Uimp	8kV

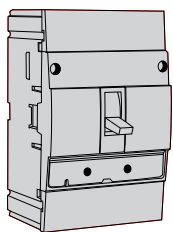
Dimension:	H	W	D	Weight Kgs.
3Pole	165	105	87	1.8
4Pole		140		2.4

Marking  
CE



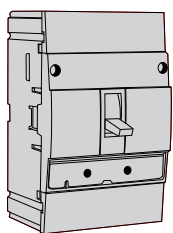
### JS-Frame MCCB 36 kA AT 415V (Fixed Thermal & Magnetic) 40°C

36 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
		100A	JS3100DF	W612666	JS4100DF
125A	JS3125DF	W612667	JS4125DF	W612672	
160A	JS3160DF	W612668	JS4160DF	W612673	
200A	JS3200DF	W612669	JS4200DF	W612674	
250A	JS3250DF	W612670	JS4250DF	W612675	



### JH-Frame MCCB 50 kA AT 415V (Fixed Thermal & Magnetic) 40°C

50 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
		100A	JH3100DF	W612676	JH4100DF
125A	JH3125DF	W612677	JH4125DF	W612682	
160A	JH3160DF	W612678	JH4160DF	W612683	
200A	JH3200DF	W612679	JH4200DF	W612684	
250A	JH3250DF	W612680	JH4250DF	W612685	



### JN-Frame MCCB 75 kA AT 415V (Fixed Thermal & Magnetic) 40°C

75 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
		100A	JN3100DF	W612686	JN4100DF
125A	JN3125DF	W612687	JN4125DF	W612692	
160A	JN3160DF	W612688	JN4160DF	W612693	
200A	JN3200DF	W612689	JN4200DF	W612694	
250A	JN3250DF	W612690	JN4250DF	W612695	

## Frame Size J (100-250) Amperes

JS-Frame MCCB 36 kA AT 415V (Adjustable Thermal & Magnetic) 40°C					
36 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
	100A	JS3100DTM	W612696	JS4100DTM	W612701
	125A	JS3125DTM	W612697	JS4125DTM	W612702
	160A	JS3160DTM	W612698	JS4160DTM	W612703
	200A	JS3200DTM	W612699	JS4200DTM	W612704
	250A	JS3250DTM	W612700	JS4250DTM	W612705

JH-Frame MCCB 50 kA AT 415V (Adjustable Thermal & Magnetic) 40°C					
50 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
	100A	JH3100DTM	W612706	JH4100DTM	W612711
	125A	JH3125DTM	W612707	JH4125DTM	W612712
	160A	JH3160DTM	W612708	JH4160DTM	W612713
	200A	JH3200DTM	W612709	JH4200DTM	W612714
	250A	JH3250DTM	W612710	JH4250DTM	W612715

JN-Frame MCCB 75 kA AT 415V (Adjustable Thermal & Magnetic) 40°C					
75 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
	100A	JN3100DTM	W612716	JN4100DTM	W612721
	125A	JN3125DTM	W612717	JN4125DTM	W612722
	160A	JN3160DTM	W612718	JN4160DTM	W612723
	200A	JN3200DTM	W612719	JN4200DTM	W612724
	250A	JN3250DTM	W612720	JN4250DTM	W612725

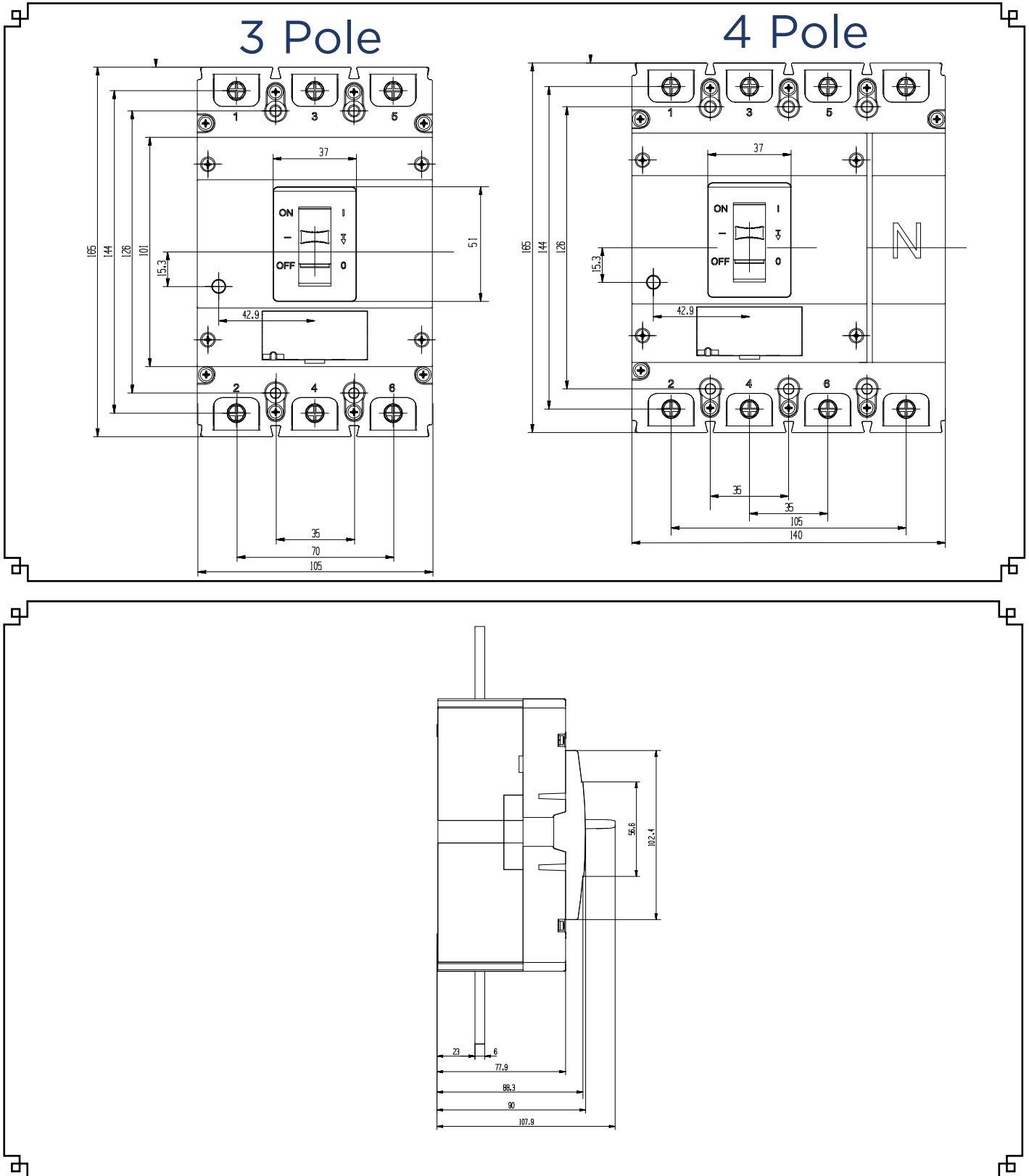
JNY-Frame MCCB (Non-Automatic) 40°C (IEC 60947-3)					
	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
	100A	JNY3100D	W612726	JNY4100D	W612731
	125A	JNY3125D	W612727	JNY4125D	W612732
	160A	JNY3160D	W612728	JNY4160D	W612733
	200A	JNY3200D	W612729	JNY4200D	W612734
	250A	JNY3250D	W612730	JNY4250D	W612735

# Frame Size J (100-250) Amperes

Drawing

Moulded Case Circuit Breakers

1



# Frame Size K (250-400) Amperes



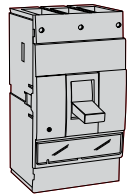
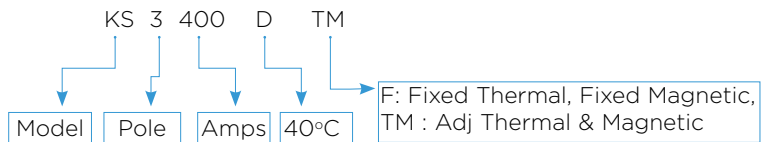
## Product description:

Complying to IEC 60947-2,  
Maximum continuous Ampere rating at 40°C Voltage 240/415V,  
Frequency 50/60Hz

Ue Maximum	415V
Icu	36/50/100 kA
Ics	36/50/100 kA
Ui	1000V
Uimp	12kV

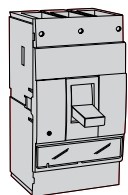
Dimension:	H	W	D	Weight Kgs.
3Pole	257	140	108	4.1
4Pole		184		5.6

Marking  
CE



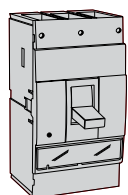
### KS - Frame MCCB 36kA AT 415V (Fixed Thermal & Magnetic) 40°C

In (A)	3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.
250A	KS3250DF	W612736	KS4250DF	W612741
300A	KS3300DF	W612737	KS4300DF	W612742
320A	KS3320DF	W612738	KS4320DF	W612743
350A	KS3350DF	W612739	KS4350DF	W612744
400A	KS3400DF	W612740	KS4400DF	W612745



### KS - Frame MCCB 36kA AT 415V (Adjustable Thermal & Magnetic) 40°C

In (A)	3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.
250A	KS3250DTM	W612746	KS4250DTM	W612751
300A	KS3300DTM	W612747	KS4300DTM	W612752
320A	KS3320DTM	W612748	KS4320DTM	W612753
350A	KS3350DTM	W612749	KS4350DTM	W612754
400A	KS3400DTM	W612750	KS4400DTM	W612755



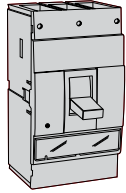
### KH - Frame MCCB 50kA AT 415V (Adjustable Thermal & Magnetic) 40°C

In (A)	3 pole		4 pole	
	Cat. No.	Ref.No.	Cat. No.	Ref.No.
250A	KH3250DTM	W612756	KH4250DTM	W612761
300A	KH3300DTM	W612757	KH4300DTM	W612762
320A	KH3320DTM	W612758	KH4320DTM	W612763
350A	KH3350DTM	W612759	KH4350DTM	W612764
400A	KH3400DTM	W612760	KH4400DTM	W612765

## Frame Size K (250-400) Amperes

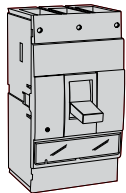
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Moulded Case Circuit Breakers



KN - Frame MCCB 100kA AT 415V (Adjustable Thermal & Magnetic) 40°C

100 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
		250A	KN3250DTM	W612766	KN4250DTM
300A	KN3300DTM	W612767	KN4300DTM	W612772	
320A	KN3320DTM	W612768	KN4320DTM	W612773	
350A	KN3350DTM	W612769	KN4350DTM	W612774	
400A	KN3400DTM	W612770	KN4400DTM	W612775	



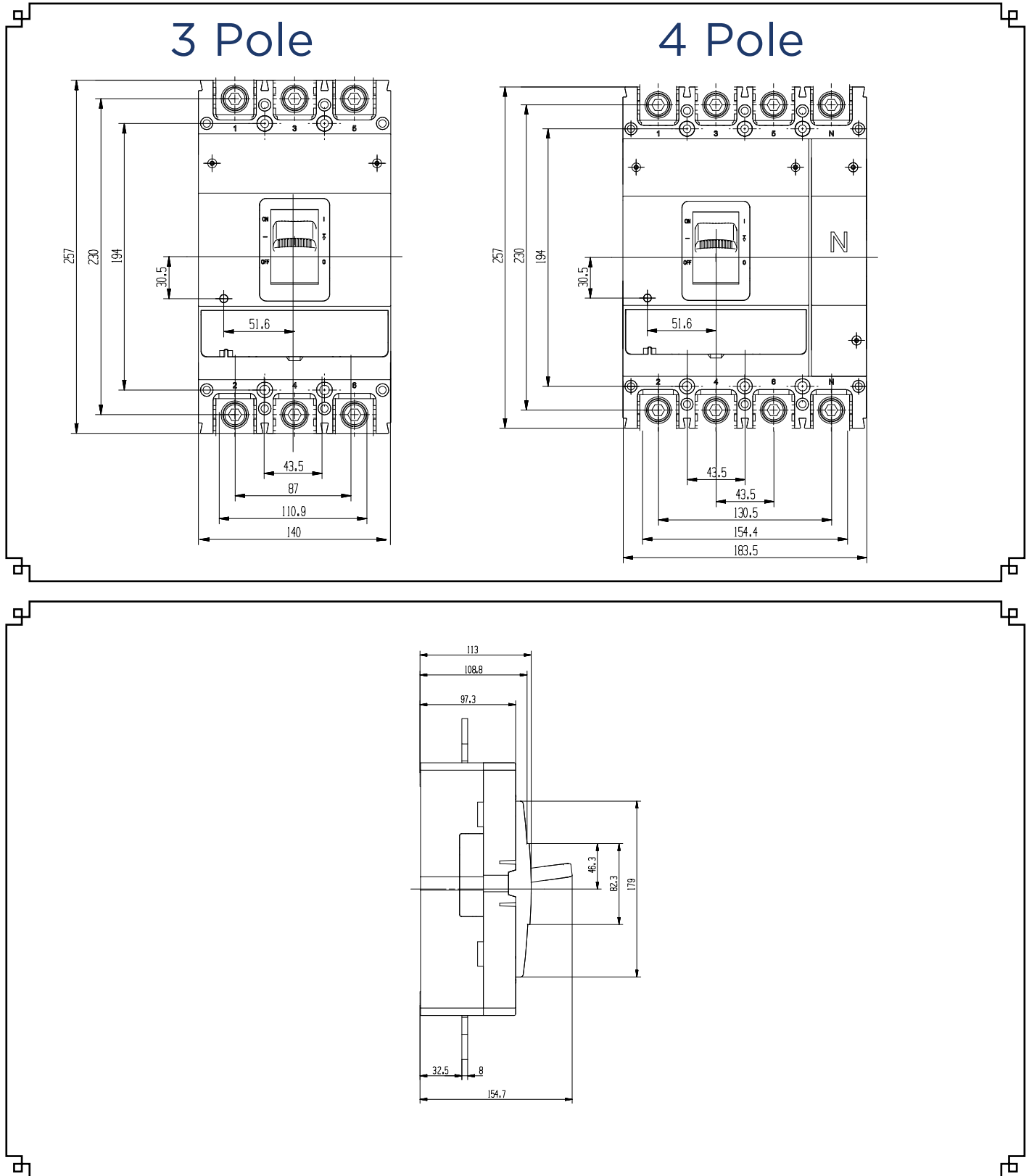
KNY - Frame MCCB (Non-Automatic) 40°C (IEC 60947-3)

100 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
		250A	KNY3250D	W612776	KNY4250D
300A	KNY3300D	W612777	KNY4300D	W612782	
320A	KNY3320D	W612778	KNY4320D	W612783	
350A	KNY3350D	W612779	KNY4350D	W612784	
400A	KNY3400D	W612780	KNY4400D	W612785	



# Frame Size K (250-400) Amperes

Drawing



1  
Moulded Case Circuit Breakers

# Frame Size K (500-630) Amperes



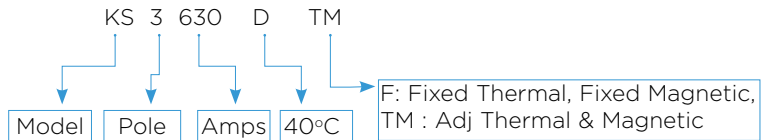
## Product description:

Complying to IEC 60947-2,  
Maximum continuous Ampere rating at 40°C Voltage 240/415V,  
Frequency 50/60Hz

Ue Maximum	415V
Icu	36/50/100 kA
Ics	36/50/100 kA
Ui	1000V
Uimp	12kV

Dimension:	H	W	D	Weight Kgs.
3Pole	257	140	108	4.3
4Pole		185		5.8

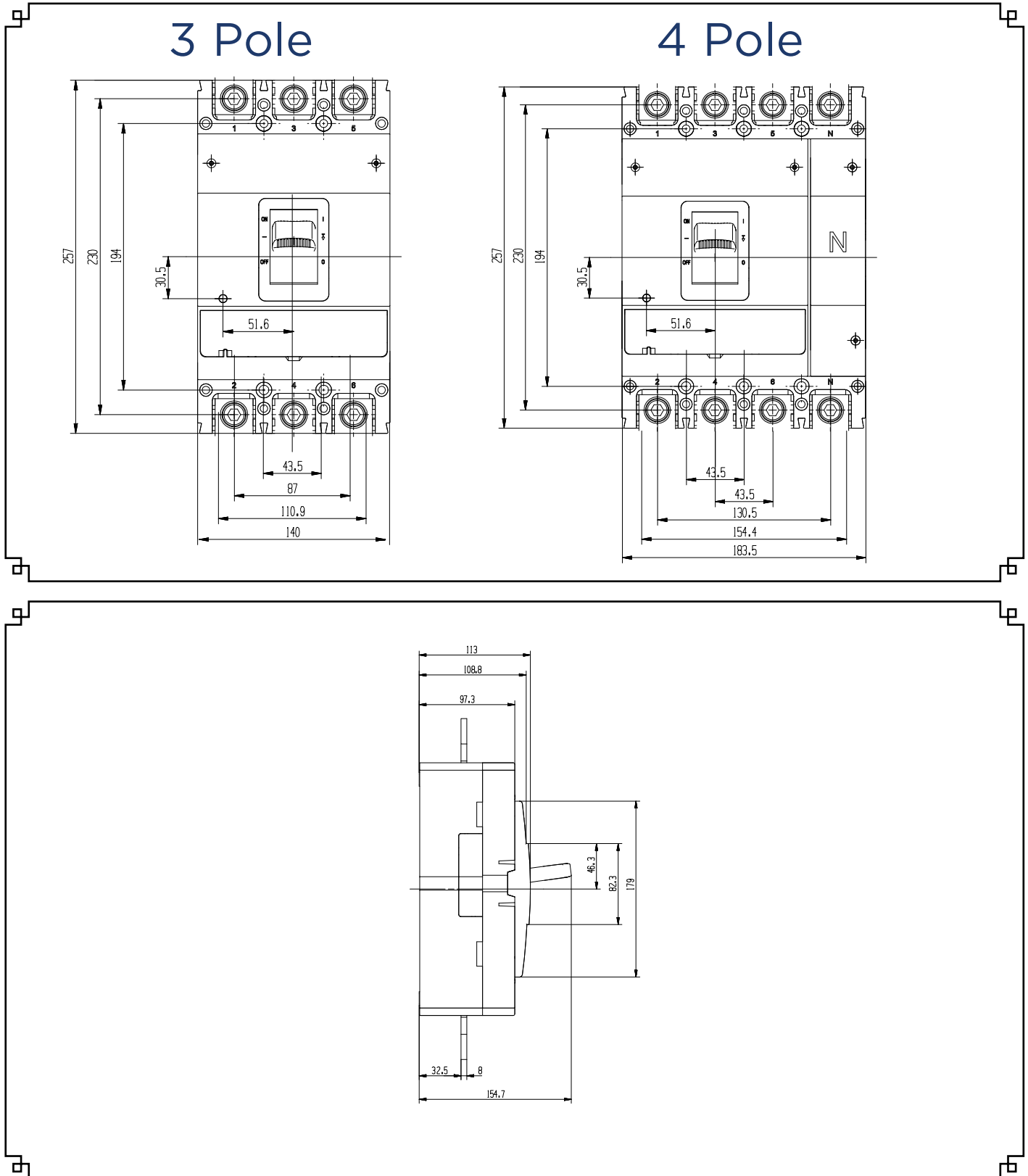
Marking  
CE



KS - Frame MCCB 36kA AT 415V (Fixed Thermal & Magnetic) 40°C						
	36 kA	In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
		500A	KS3500DF	W612786	KS4500DF	W612788
		630A	KS3630DF	W612787	KS4630DF	W612789
KS - Frame MCCB 36kA AT 415V (Adjustable Thermal & Magnetic) 40°C						
	36 kA	In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
		500A	KS3500DTM	W612790	KS4500DTM	W612792
		630A	KS3630DTM	W612791	KS4630DTM	W612793
KH - Frame MCCB 50kA AT 415V (Adjustable Thermal & Magnetic) 40°C						
	50 kA	In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
		500A	KH3500DTM	W612794	KH4500DTM	W612796
		630A	KH3630DTM	W612795	KH4630DTM	W612797
KN - Frame MCCB 100kA AT 415V (Adjustable Thermal & Magnetic) 40°C						
	100 kA	In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
		500A	KN3500DTM	W612798	KN4500DTM	W612800
		630A	KN3630DTM	W612799	KN4630DTM	W612801
KNY - Frame MCCB (Non-Automatic) 40°C (IEC 60947-3)						
	In (A)	3 pole		4 pole		
		Cat. No.	Ref.No.	Cat. No.	Ref.No.	
		500A	KNY3500D	W612802	KNY4500D	W612804
		630A	KNY3630D	W612803	KNY4630D	W612805

# Frame Size K (500-630) Amperes

Drawing



1  
Moulded Case Circuit Breakers

# Frame Size L (500-800) Amperes

1



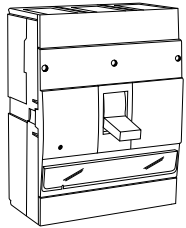
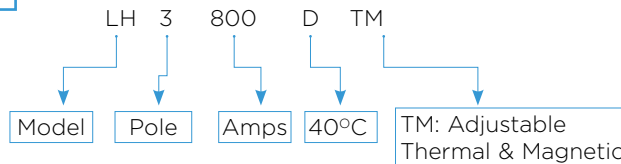
### Product description:

Complying to IEC 60947-2,  
Maximum continuous Ampere rating at 40°C Voltage 240/415V,  
Frequency 50/60Hz

Ue Maximum	415V
Icu	70 kA
Ics	50 kA
Ui	1000V
Uimp	12kV

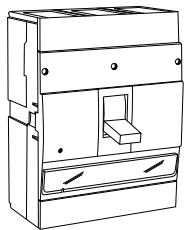
Dimension:	H	W	D	Weight Kgs.
3Pole	275	210	114	9.5
4Pole		280		12.5

### Marking



LH - Frame MCCB 70/50kA AT 415V (Adjustable Thermal & Magnetic) 40°C

70/50 kA	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
	500A	LH3500DTM	W612806	LH4500DTM	W612809
	630A	LH3630DTM	W612807	LH4630DTM	W612810
	800A	LH3800DTM	W612808	LH4800DTM	W612811

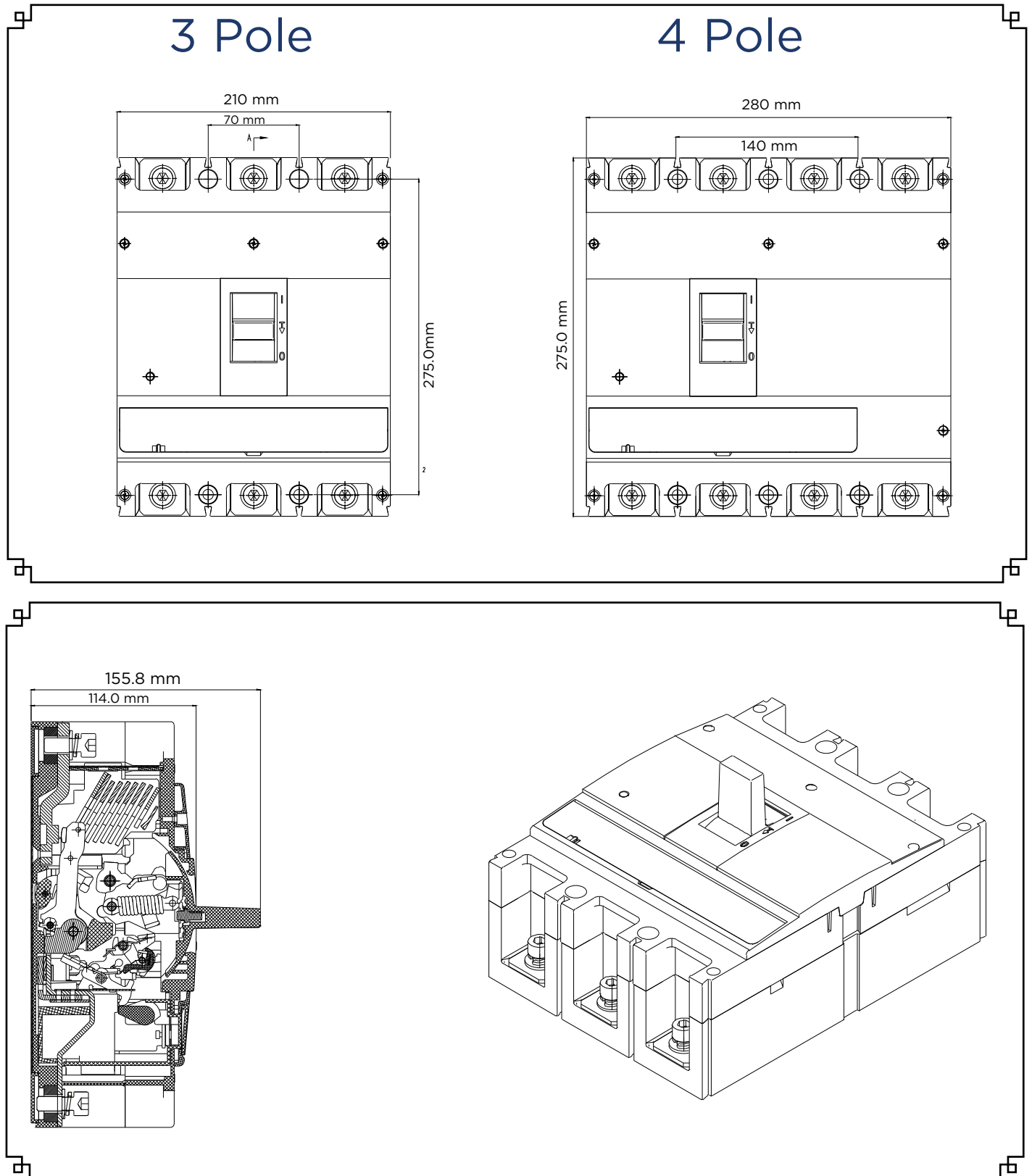


LHY - Frame MCCB (Non-Automatic) 40°C (IEC 60947-3)

	In (A)	3 pole		4 pole	
		Cat. No.	Ref.No.	Cat. No.	Ref.No.
	500A	LHY3500D	W612812	LHY4500D	W612815
	630A	LHY3630D	W612813	LHY4630D	W612816
	800A	LHY3800D	W612814	LHY4800D	W612817

# Frame Size L (500-800) Amperes

Drawing



1  
Moulded Case Circuit Breakers

# Frame Size N (1000-1250) Amperes

1



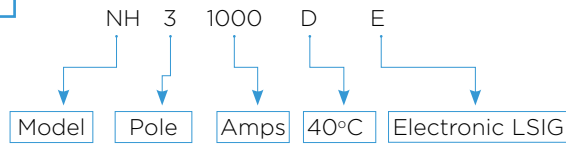
### Product description:

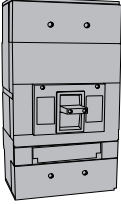
Complying to IEC 60947-2,  
 Maximum continuous Ampere rating at 40°C Voltage 240/415V,  
 Frequency 50/60Hz

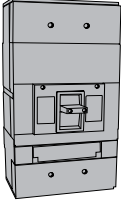
Ue Maximum	415V
Icu	70 kA
Ics	50 kA
Ui	1000V
Uimp	12kV

Dimension:	H	W	D	Weight Kgs.
3Pole	406	210	140	21.3
4Pole		280		28.3

### Marking

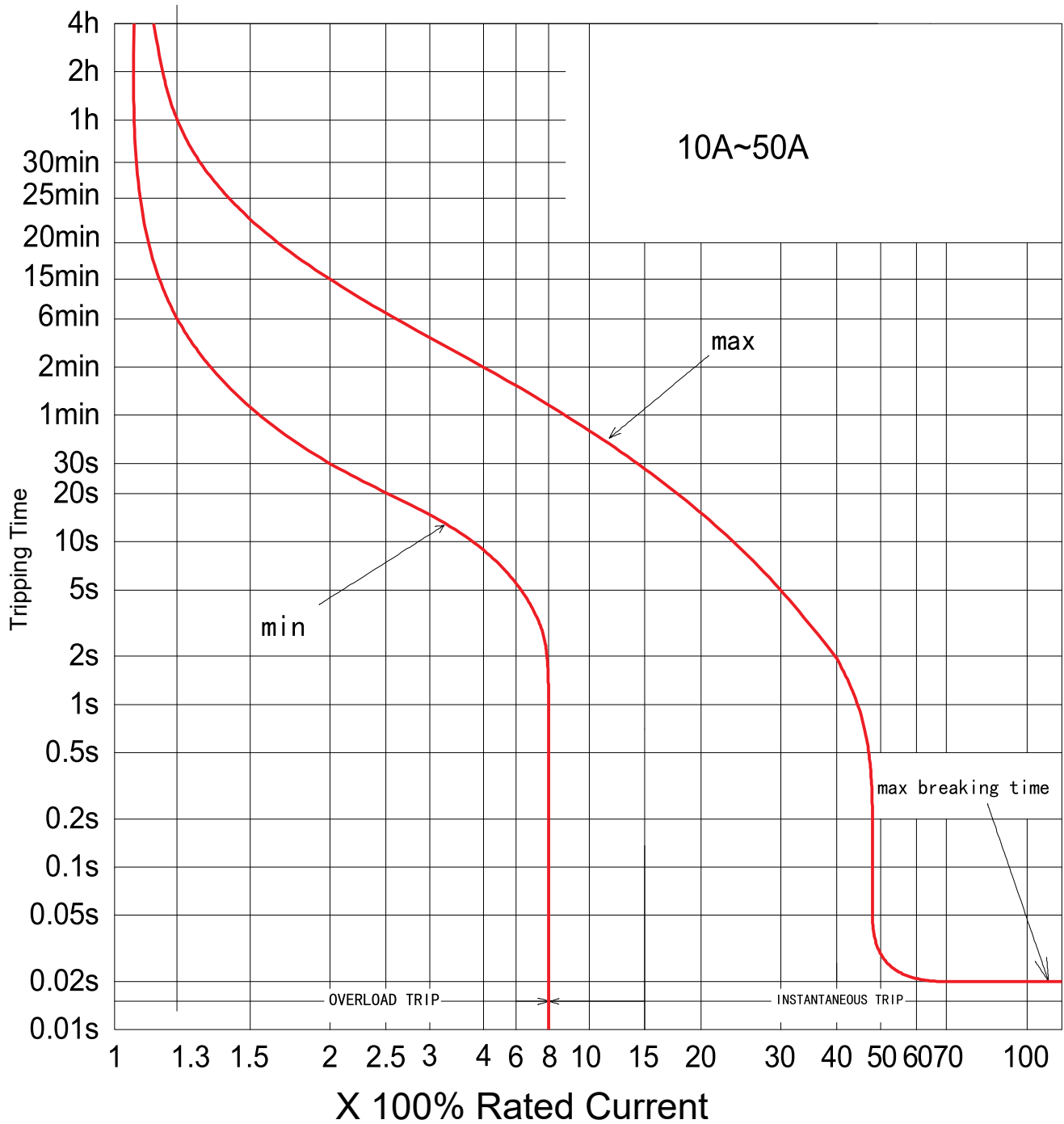


	NH - Frame MCCB 70/50kA AT 415V (Adjustable - LSIG) 40°C					
	70/50 kA	In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
	1000A	NH31000ED	W612818	NH41000ED	W612820	
	1250A	NH31250ED	W612819	NH41250ED	W612821	

	NHY - Frame MCCB (Non-Automatic) 40°C (IEC 60947-3)					
		In (A)	3 pole		4 pole	
			Cat. No.	Ref.No.	Cat. No.	Ref.No.
	1000A	NHY31000D	W612822	NHY41000D	W612824	
	1250A	NHY31250D	W612823	NHY41250D	W612825	

# Time Current Curve

GD, GI, GS MOULDED CASE CIRCUIT BREAKER 10-50A



Instantaneous Trip Current  
600A±200A(AC)

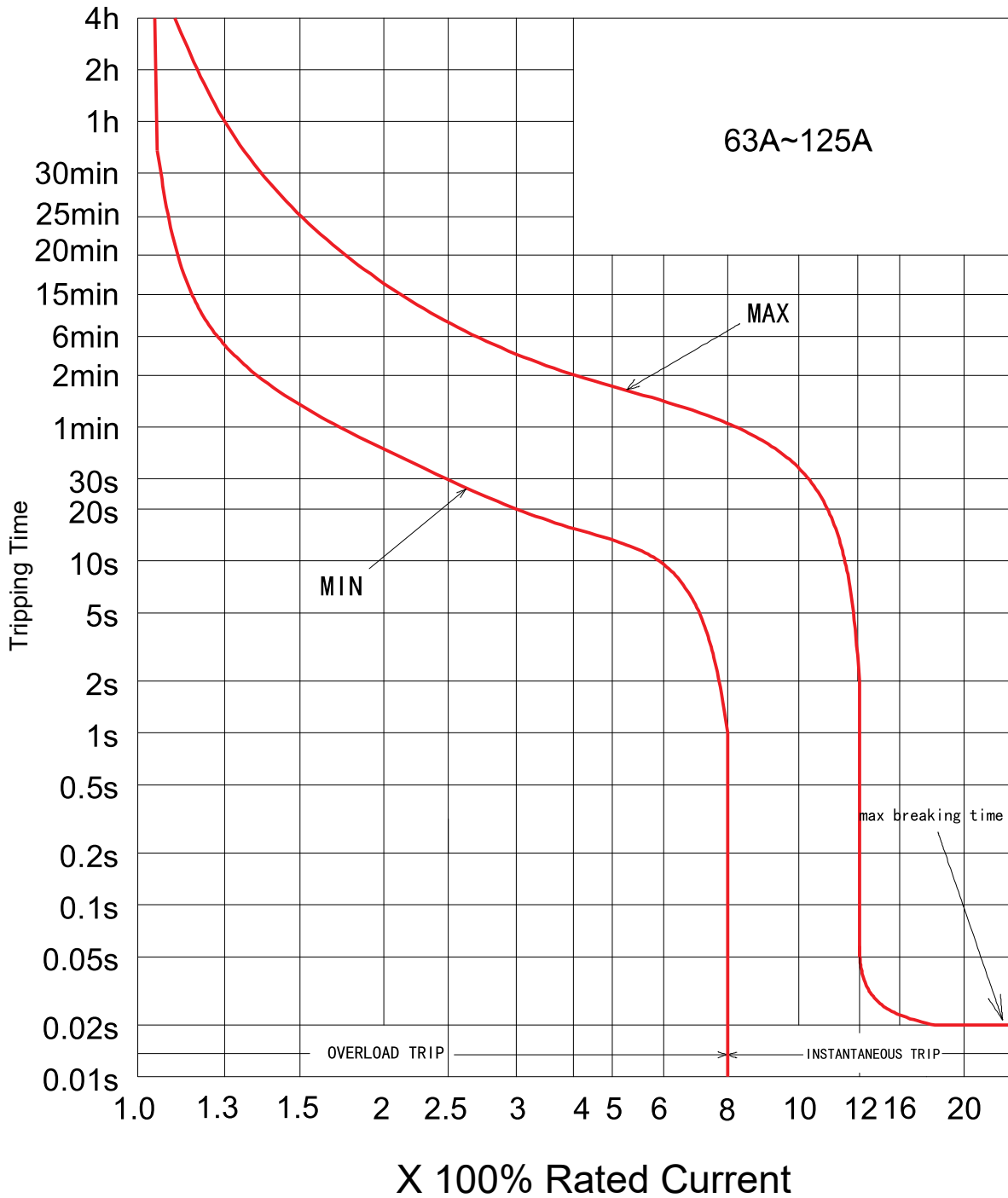


# Time Current Curve

GD, GI, GS MOULDED CASE CIRCUIT BREAKER 63-125A

1

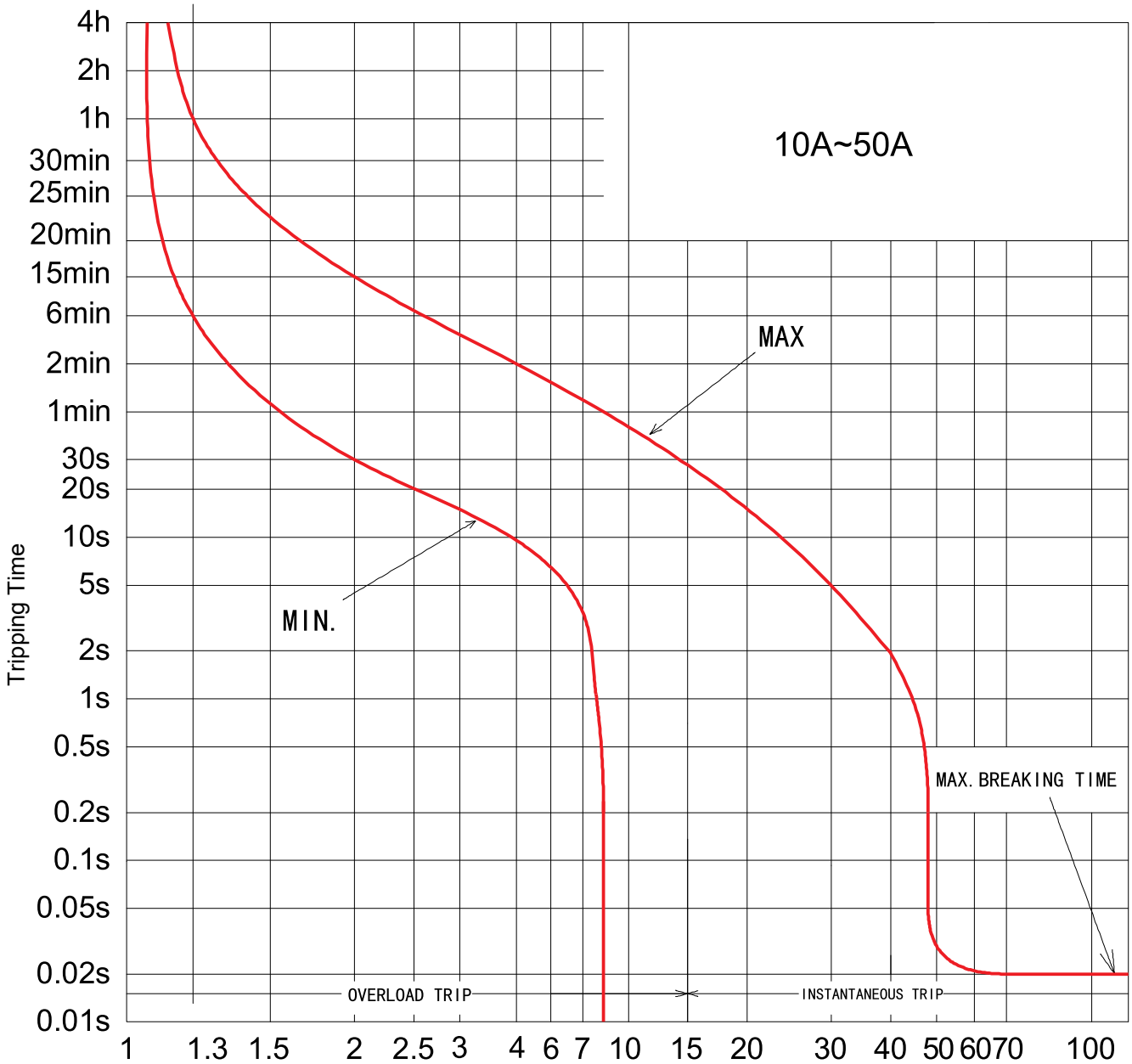
Moulded Case Circuit Breakers



Instantaneous Trip Current  
600A±200A(AC)

# Time Current Curve

FI,FS, FH MOULDED CASE CIRCUIT BREAKER 10-50A

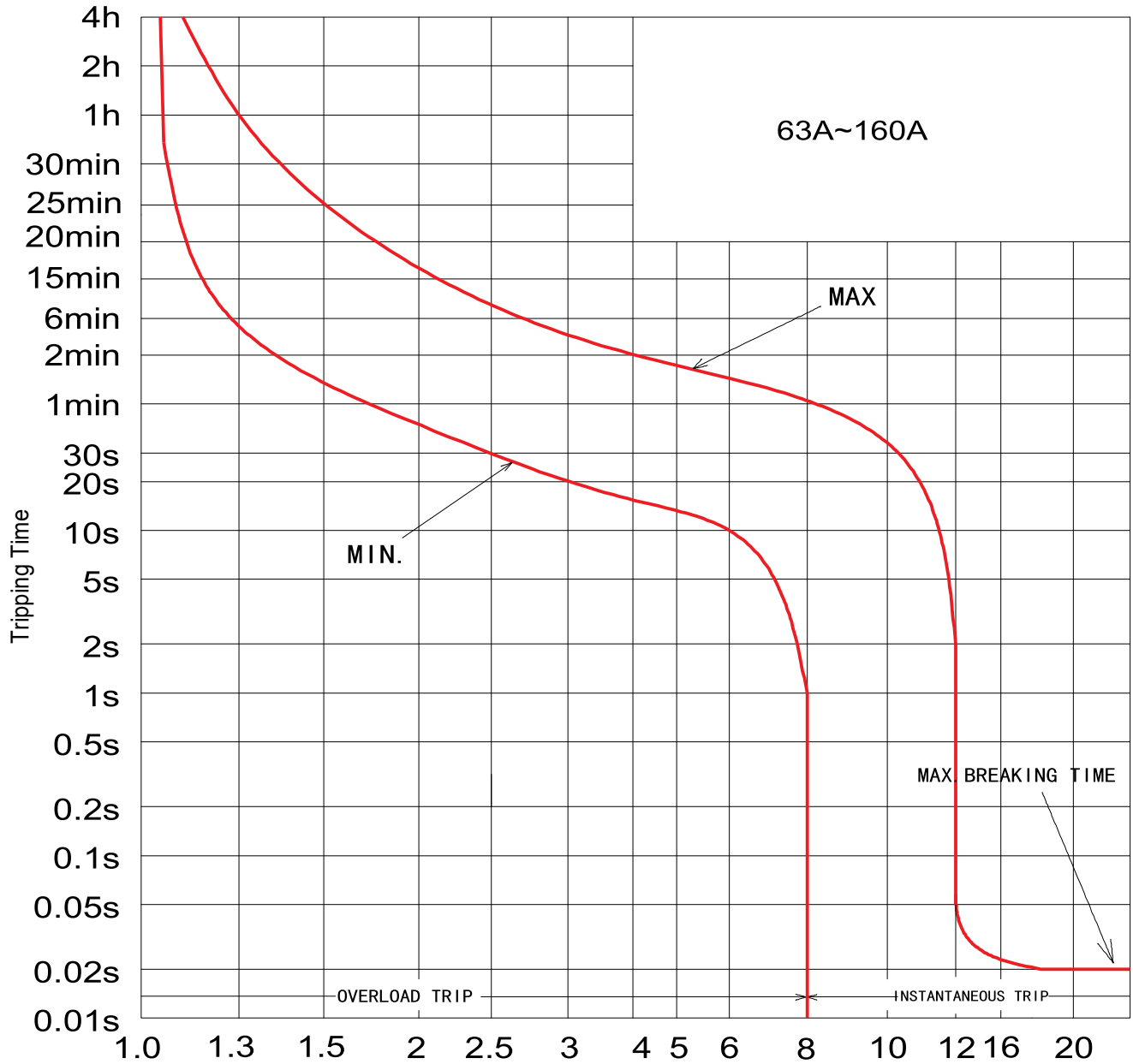


X 100% Rated Current

Instantaneous Trip Current  
600A±120A(AC)

# Time Current Curve

FI,FS, FH MOULDED CASE CIRCUIT BREAKER 63-160A

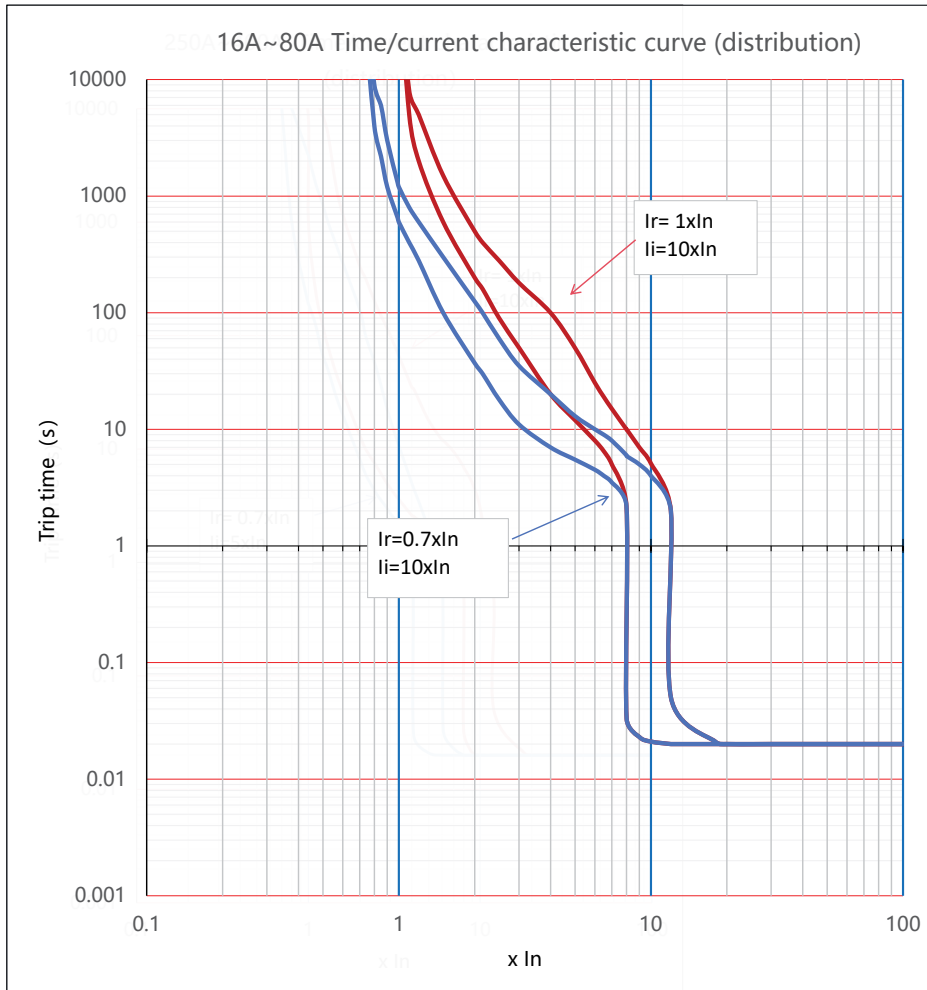


X 100% Rated Current

Instantaneous Trip Current  
600A±120A(AC)

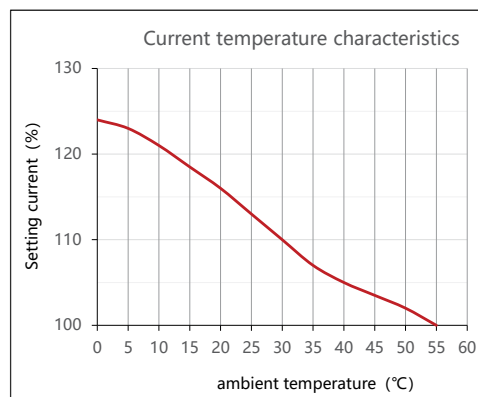
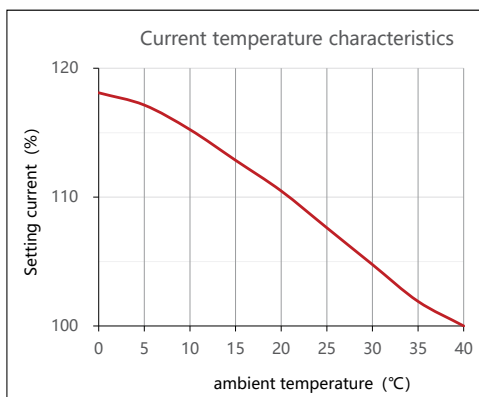
# Time Current Curve

FN MOULDED CASE CIRCUIT BREAKER 16-80A



1

Moulded Case Circuit Breakers

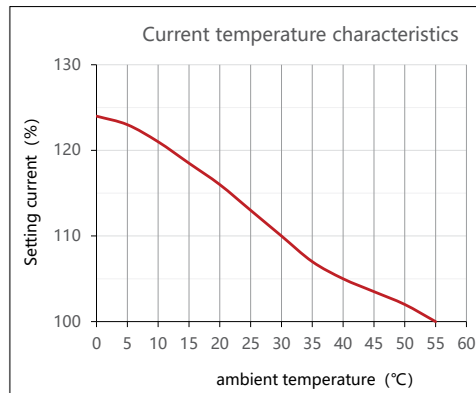
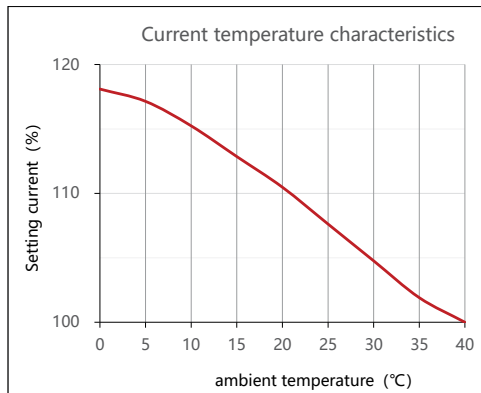
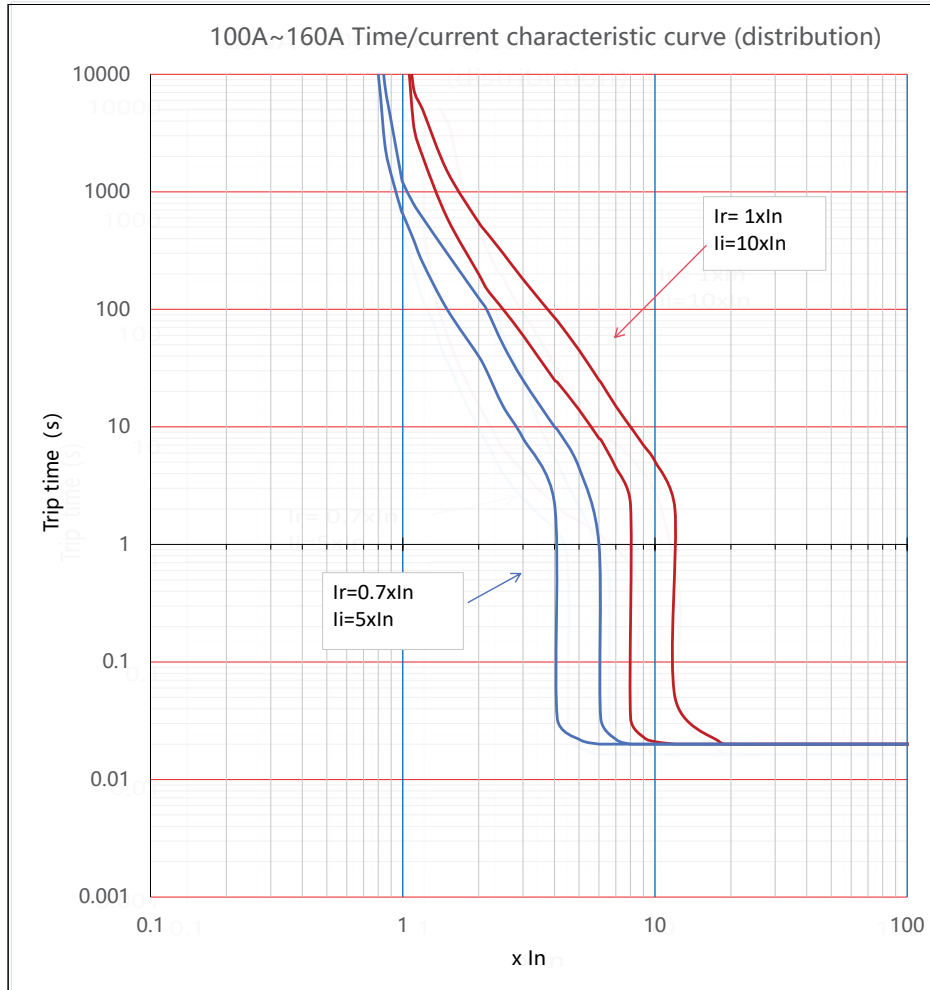


# Time Current Curve

FN MOULDED CASE CIRCUIT BREAKER 100-160A

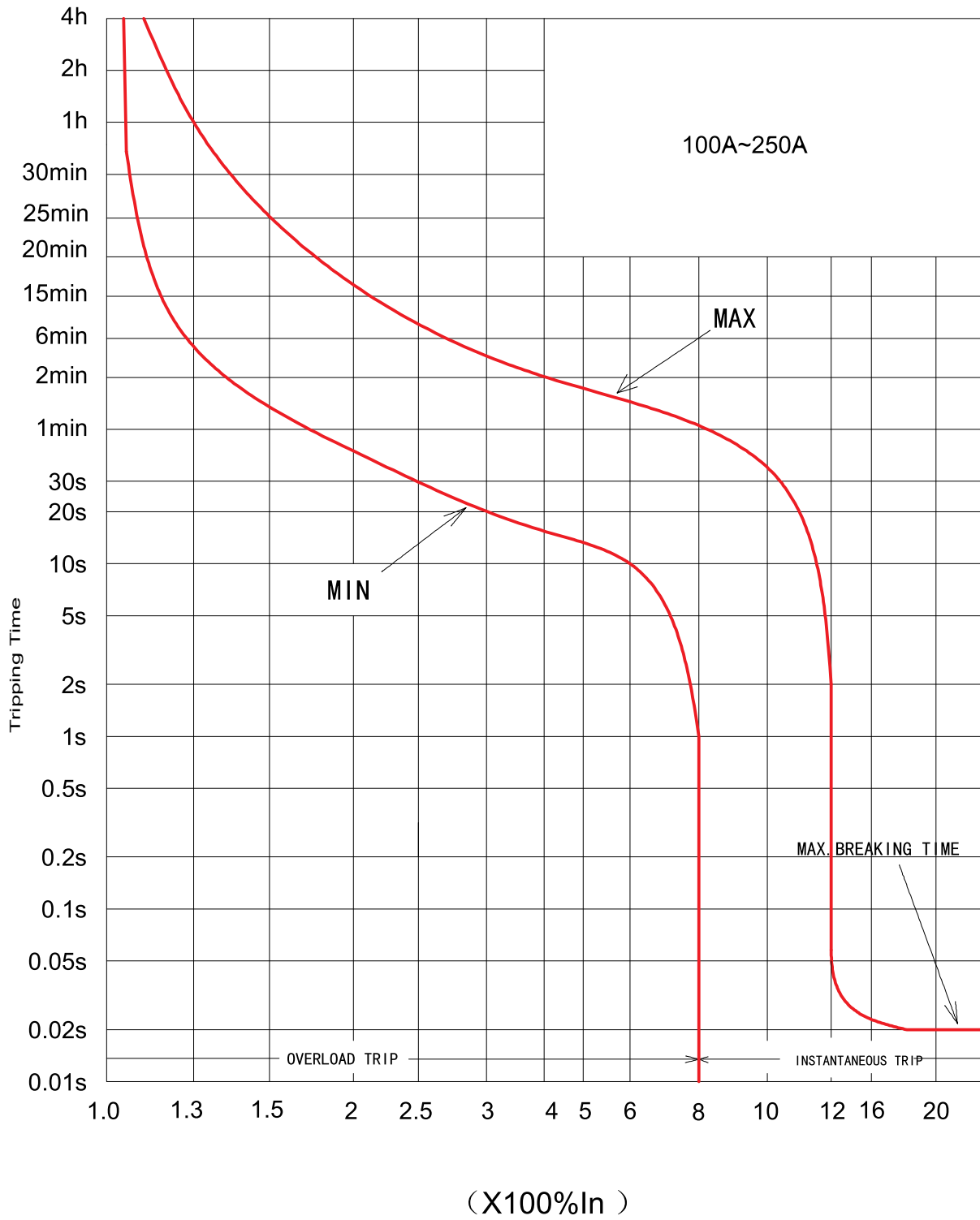
1

Moulded Case Circuit Breakers



# Time Current Curve

JS, JH MOULDED CASE CIRCUIT BREAKER 100-250A

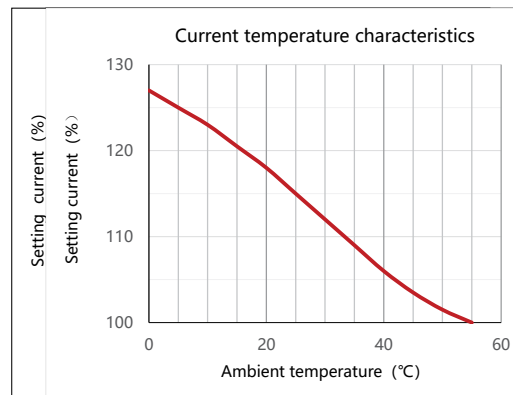
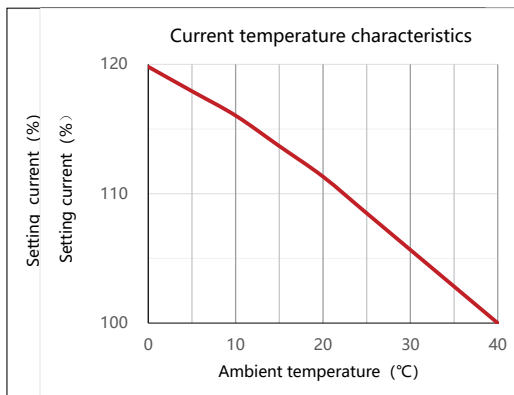
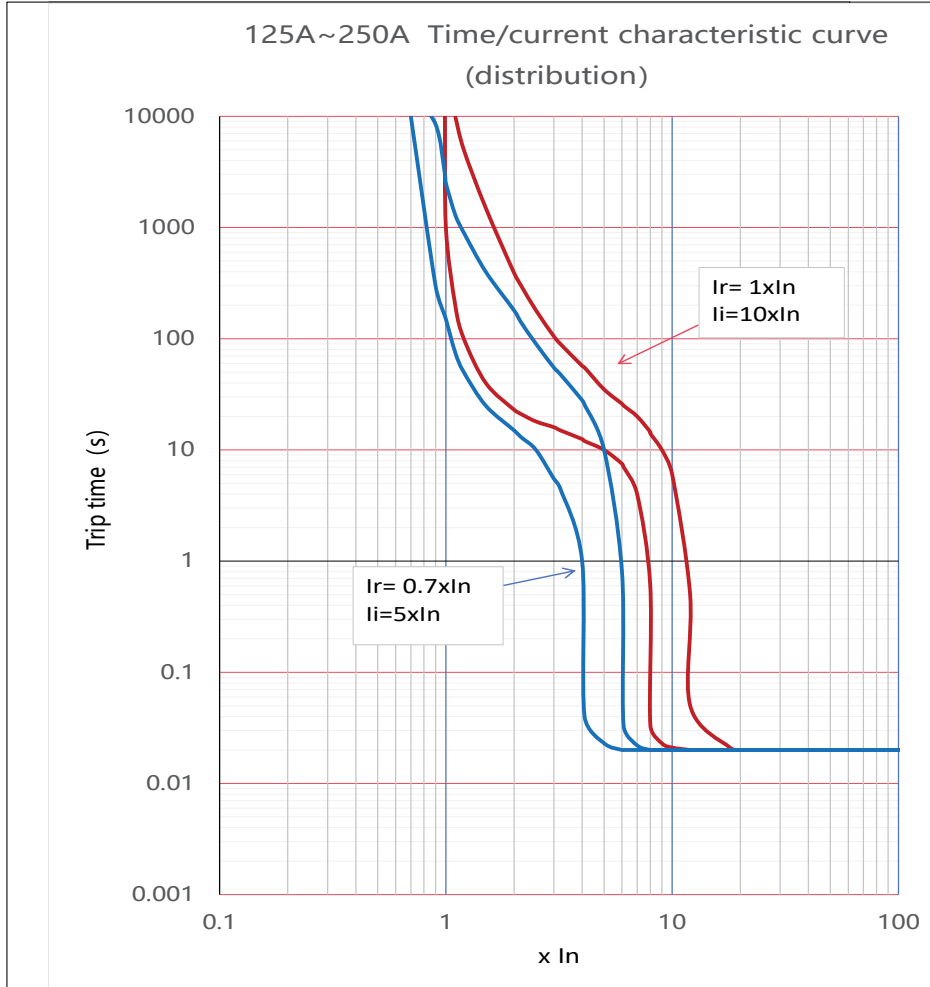


# Time Current Curve

JN MOULDED CASE CIRCUIT BREAKER 100-250A

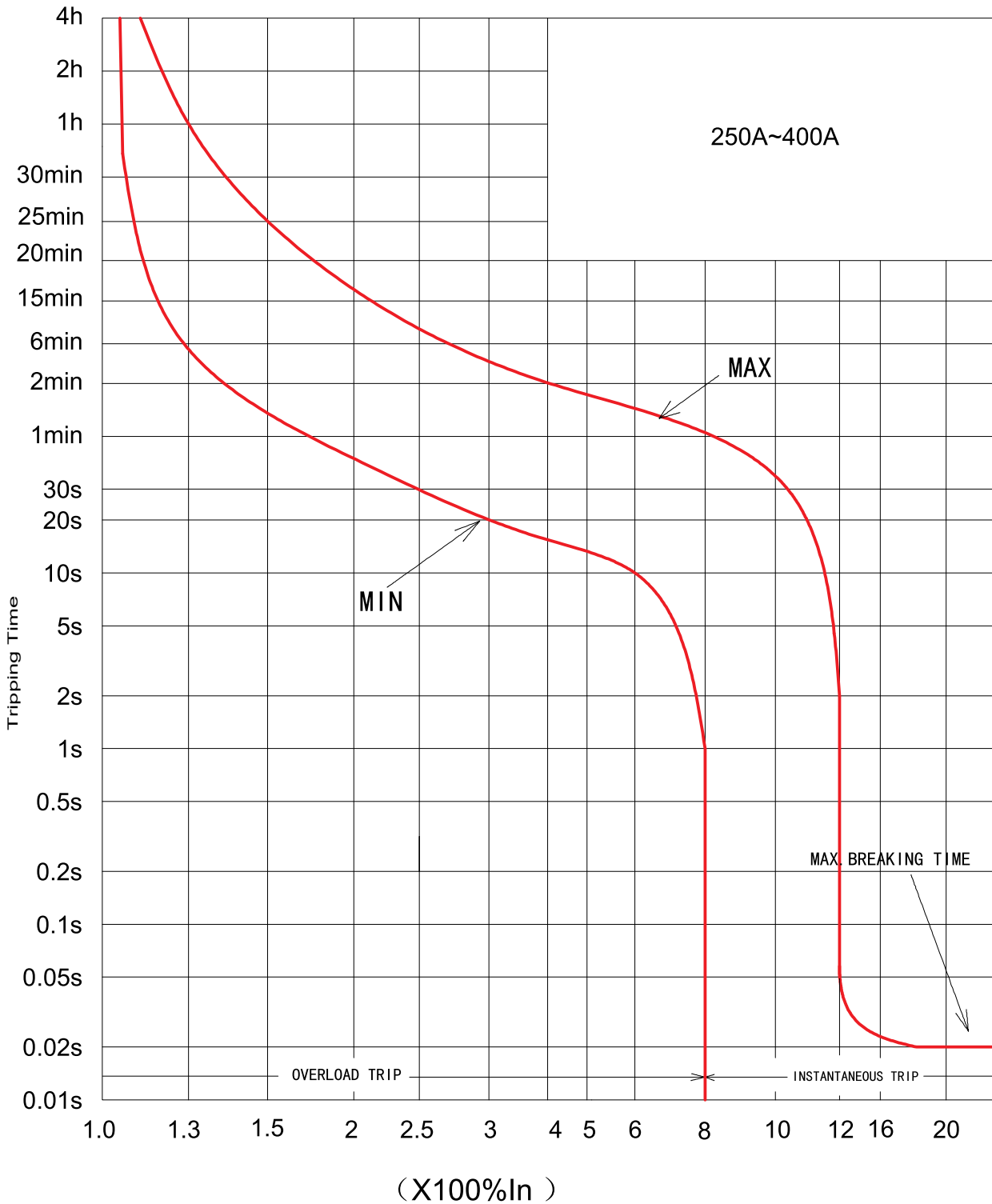
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Moulded Case Circuit Breakers



# Time Current Curve

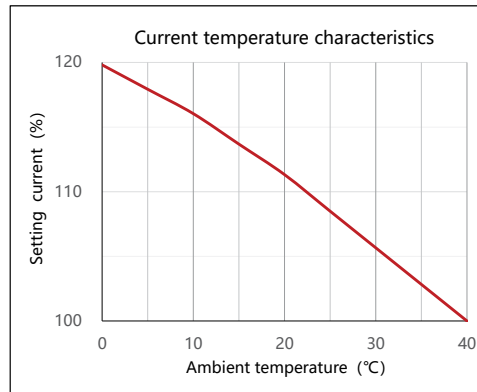
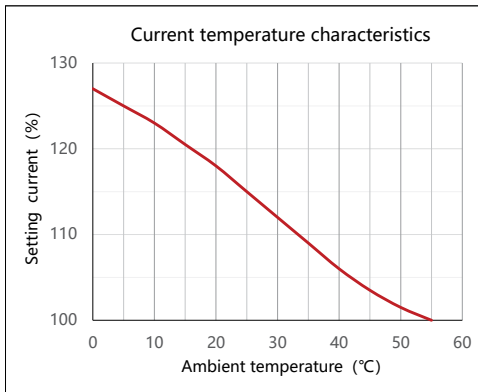
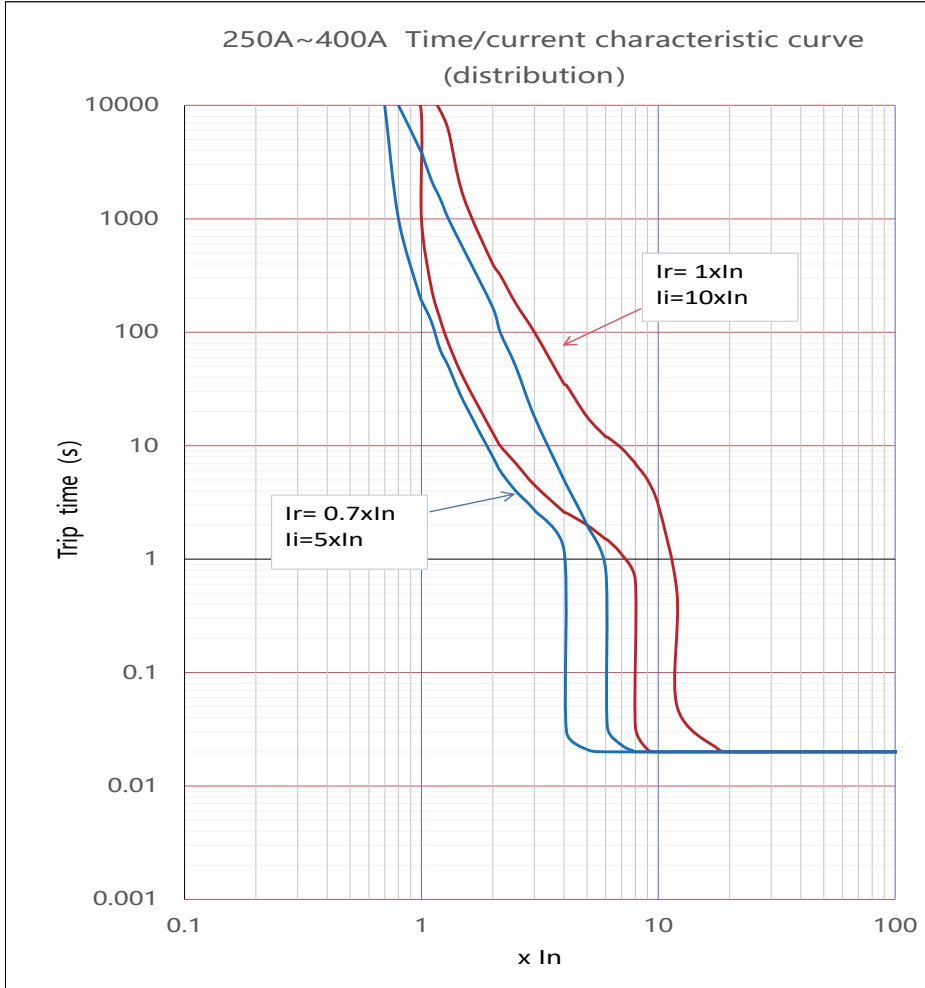
KI,KS,KH MOULDED CASE CIRCUIT BREAKER 250-400A





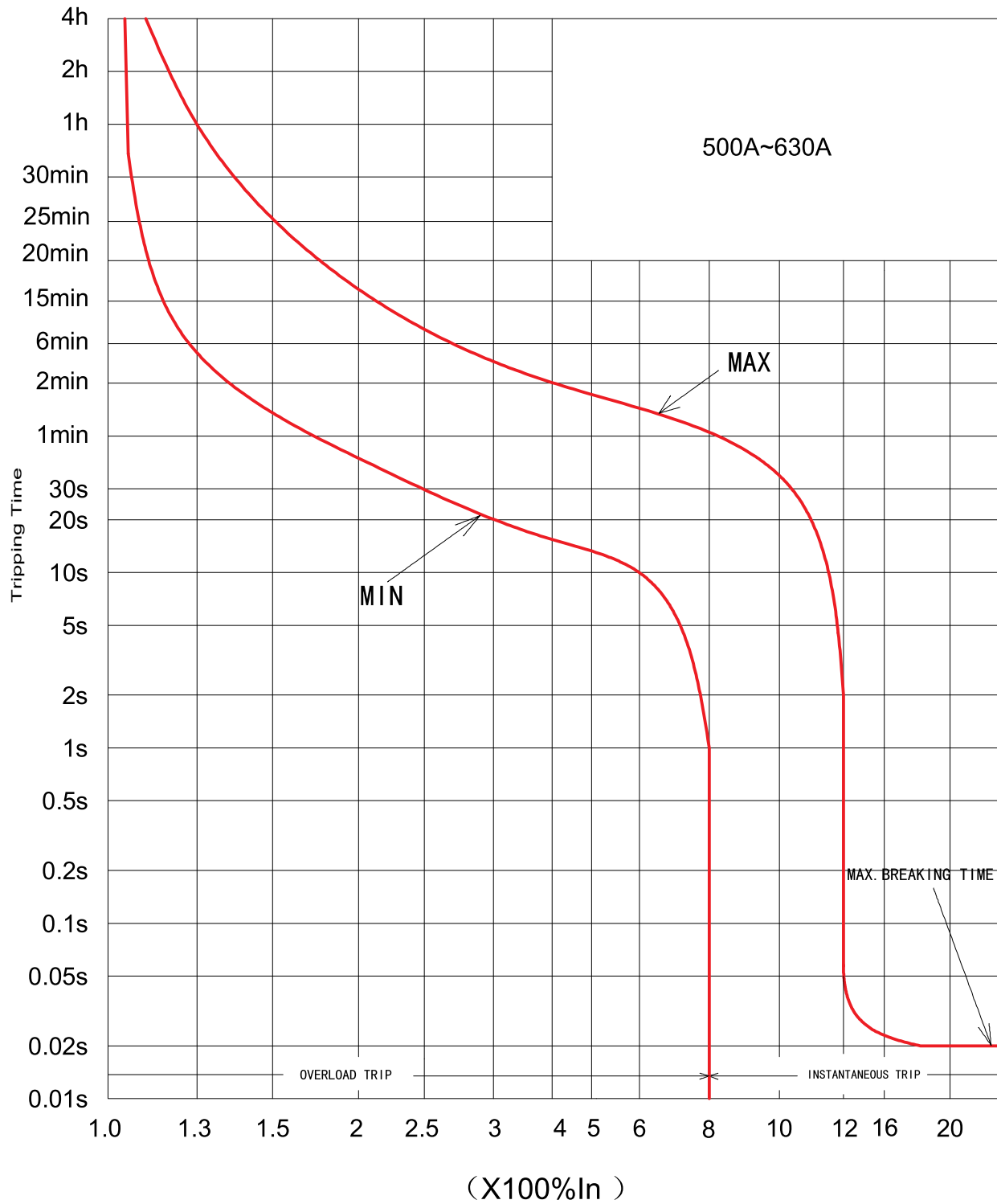
# Time Current Curve

KN MOULDED CASE CIRCUIT BREAKER 250-400A



# Time Current Curve

KI, KS, KH MOULDED CASE CIRCUIT BREAKER 500-630A

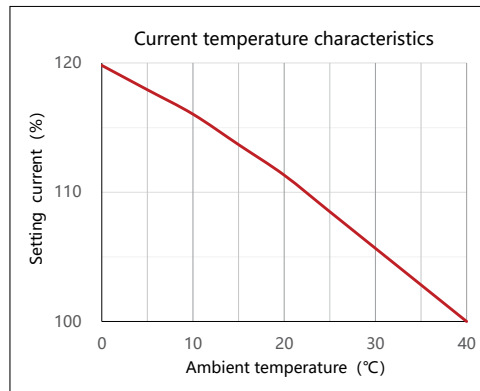
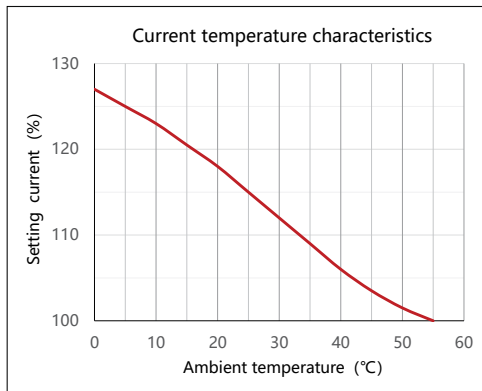
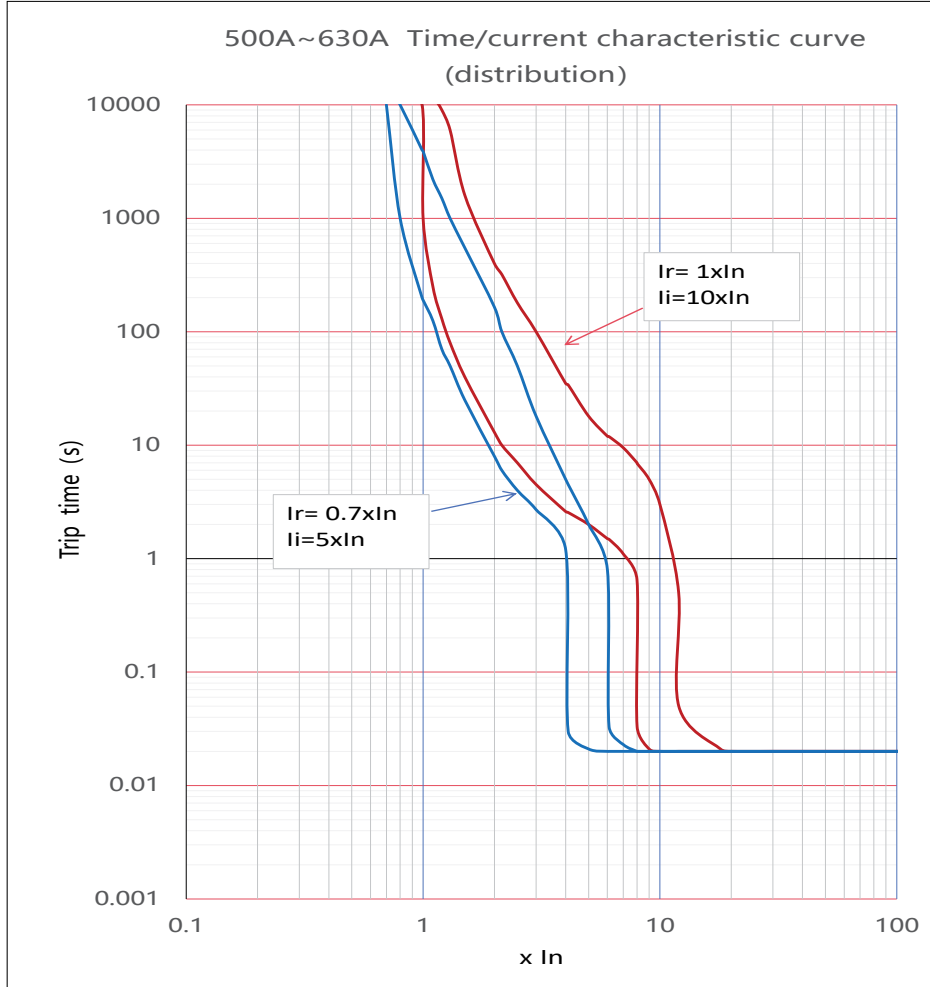


# Time Current Curve

KN MOULDED CASE CIRCUIT BREAKER 500-630A

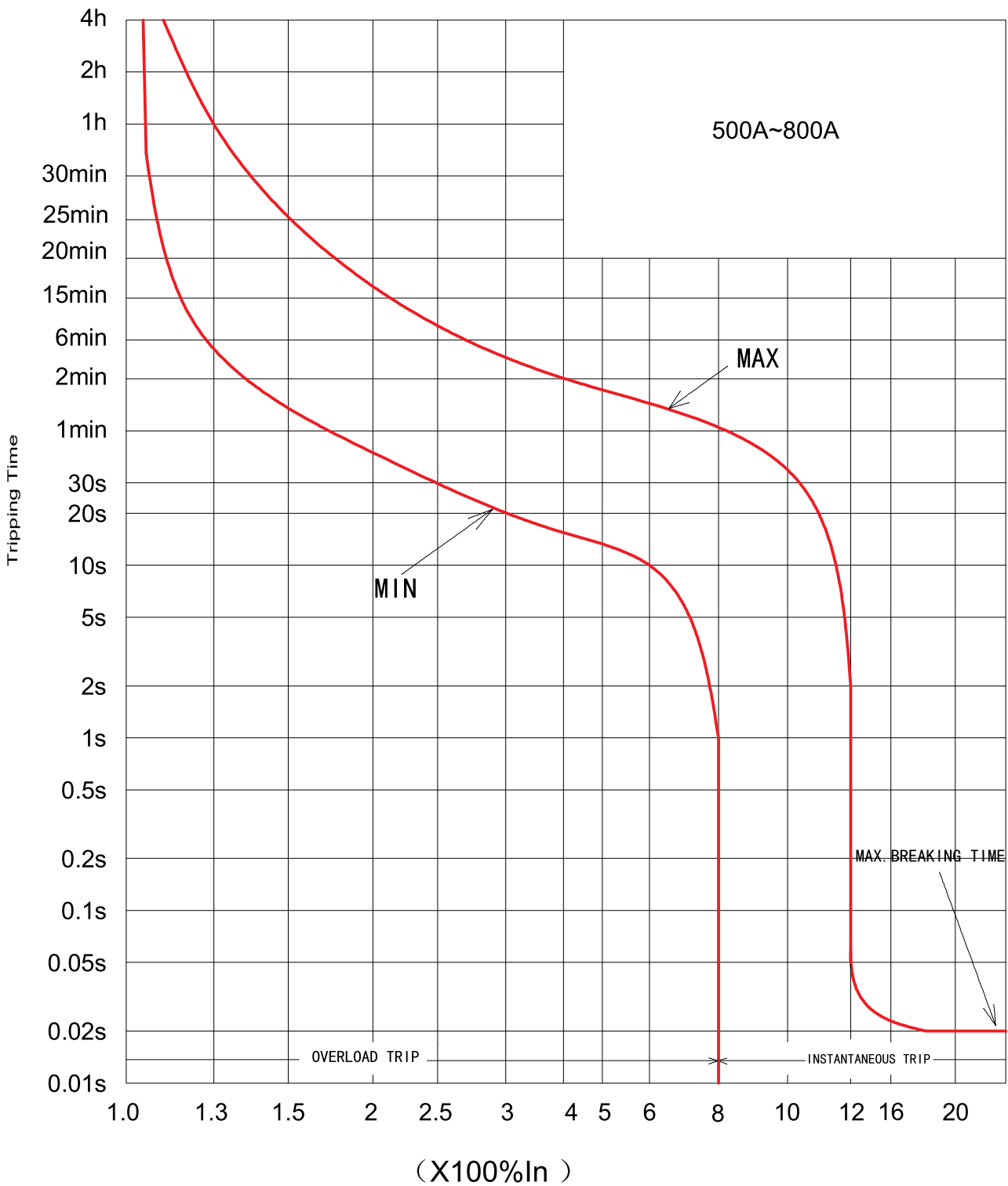
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Moulded Case Circuit Breakers



# Time Current Curve

LH MOULDED CASE CIRCUIT BREAKER 500-800A



# MCCB Accessories

Moulded Case Circuit Breakers

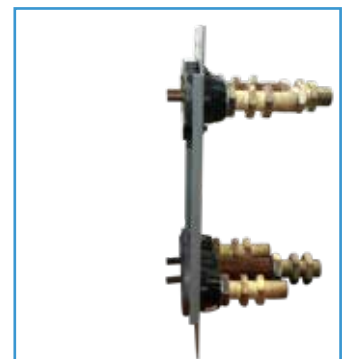
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Accessories		Frame						
		G-Frame	F-Frame	J-Frame	K-Frame	L-Frame	N-Frame	
Auxiliary Switch (1NO+1NC Changeover contact)		W612160	W612174	W612188	W612202	W612216	W612230	
Auxiliary Switch 2Nos (1NO+1NC) Changeover contact)		W612161	W612175	W612189	W612203	W612217	W612231	
Auxiliary Switch + Alarm Lockout (1NO+1NC Changeover contact)		W612162	W612176	W612190	W612204	W612218	W612232	
Alarm Switch (1NO)		W612163	W612177	W612191	W612205	W612219	W612233	
Shunt Trip - Standard		24 VDC	W612164	W612178	W612192	W612206	W612220	W612234
		48 VDC	W612165	W612179	W612193	W612207	W612221	W612235
		120 VAC	W612166	W612180	W612194	W612208	W612222	W612236
		240 VAC	W612167	W612181	W612195	W612209	W612223	W612237
		380 VAC	W612168	W612182	W612196	W612210	W612224	W612238
Undervoltage Release Mechanism		24 VDC	W612169	W612183	W612197	W612211	W612225	W612239
		48 VDC	W612170	W612184	W612198	W612212	W612226	W612240
		120 VAC	W612171	W612185	W612199	W612213	W612227	W612241
		240 VAC	W612172	W612186	W612200	W612214	W612228	W612242
		380 VAC	W612173	W612187	W612201	W612215	W612229	W612243

## Plug-in Adapters

Plug-in Adapters simplify installation and front removal of circuit breakers. Individual line and load plug-in adapters are available for rear connection applications on 2-, 3- and 4-pole circuit breakers. Common mounting plates for line and load-end adapters are available. One Plug-in Adapter Kit is required for line-end and one for load-end.

Frame	Part No.	Continuous Current Rating (Amp)	Ref.No.
F-Frame	LCPFAN	100 - 160	W612244
	LCPFMAN	Mounting Plate	W612245
J-Frame	LCPJAN	250	W612246
	LCPJMAN	Mounting Plate	W612247
K-Frame	LCPKAN	315-630	W612248
	LCPKMAN	Mounting Plate	W612249
L-Frame	LCPLAN	500-800	W612250
	LCPLMAN	Mounting Plate	W612251
N-Frame	LCPNAN	1000-1600	W612252
	LCPNMAN	Mounting Plate	W612253



## Padlockable Handle Lock

The Padlockable Handle Lock allows the handle to be locked in the OFF or ON position, (Trip-free operation allows the circuit breaker to trip when the handle lock holds the circuit breaker handle in the ON position.) The mounts on the circuit breaker cover within the trimline. The cover is predrilled on both sides of the operating handle so that the hasp can be mounted on either side of the handle. The Lock will accommodate up to three padlocks with 1/4-inch (6 mm) shackles, one per circuit breaker

Frame	Part No.	Description	Ref.No.
G-FRAME 1 POLE	WHPLKG01N	Padlockable Handle Lock for G Frame 1 pole	W612254
G-FRAME 3,4 POLE	WHPLKG03N	Padlockable Handle Lock for G Frame 3 pole	W612255
F-FRAME 3,4 POLE	WHPLKF03N	Padlockable Handle Lock for F Frame 3, 4 pole	W612256
J-Frame 3,4 POLE	WHPLKJ03N	Padlockable Handle Lock for J Frame 3, 4 pole	W612257
K-Frame 3,4 POLE	WHPLKK03N	Padlockable Handle Lock for K Frame 3, 4 pole	W612258
L-Frame 3,4 POLE	WHPLKL03N	Padlockable Handle Lock for L Frame 3, 4 pole	W612259
N-Frame 3,4 POLE	WHPLKN03N	Padlockable Handle Lock for N Frame 3, 4 pole	W612260

## Drawout Cassettes

The Drawout Cassette is available for use with J Frame, K Frame, L Frame, and N Frame, 3- and 4 pole breakers. Also available are drawout cassettes for use with the standard 3-pole 36kA and 50kA/480 Vac. The cassettes consist of two separate components: the movable mechanism, which attaches to the breaker, and the stationary mechanism which houses in the cassette. The stationary mechanism is shipped separately the J Frame, K Frame, L Frame, and N Frame Drawout cassettes, all necessary parts of installation are included in the one catalog number. Features of the drawout cassettes for J Frame, K Frame, L Frame, and N Frame include:

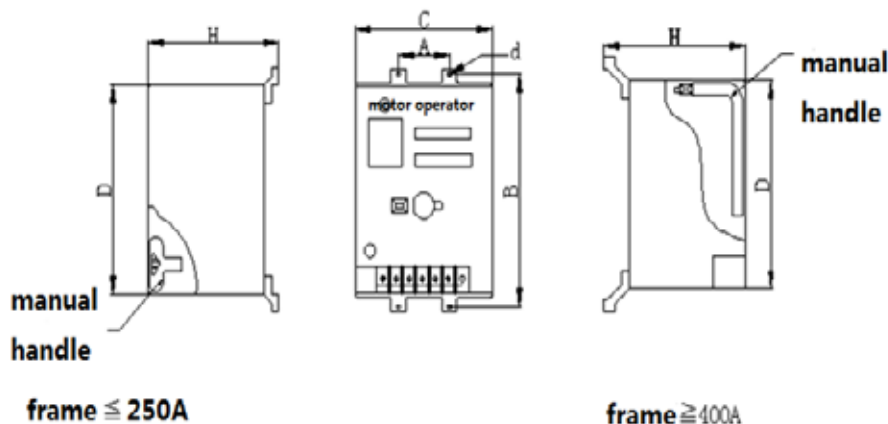
- Trip on drawout – Breaker will trip if it is in the ON position when withdrawn from the cassette.
- Secondary Terminal Block – The drawout cassettes include a secondary terminal block for easier

Frame	Part No.	Ref.No.
J-Frame	JDCT250N	W612261
K-Frame	KDCT630N	W612262
L-Frame	LDCT800N	W612263
N-Frame	NDCT16N	W612264

## Motor Operator For MCCB



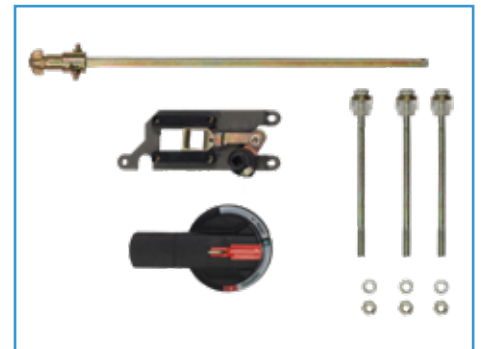
Frame	Part No.	Ref.No.	Voltage	Installation and overall dimensions					
				A(mm)	B(mm)	C(mm)	D(mm)	H(mm)	d(ø mm)
G-Frame	WMOPG240N	W612265	AC/DC 240V	25	111	74	102	98	4.5
F-Frame	WMOPF240N	W612266	AC/DC 240V	30	132	90	116	97	4.5
J-Frame	WMOPJ240N	W612267	AC/DC 240V	35	w125	90	116	98	4.5
K-Frame	WMOPK240N	W612268	AC/DC 240V	44	194	130	176	152	6.5
L-Frame	WMOPL240N	W612269	AC/DC 240V	70	243	130	176	152	6.5



# Rotary Handle Mechanisms



Frame	Part No.	Ref.No.	Rotary Handle Part No.	Shaft Length
G-Frame	WRHMG1	W612270	120 WRH.7245	290mm
F-Frame	WRHMFN	W612271	120 WRH.7345	290mm
J-Frame	WRHMJN	W612272	120WRH.7445	290mm
K-Frame	WRHMKN	W612273	120WRH.7545	290mm
L-Frame	WRHMLN	W612274	120WRH.7645	290mm
N-Frame	WRHMN	W612275	120WRH.7745	290mm



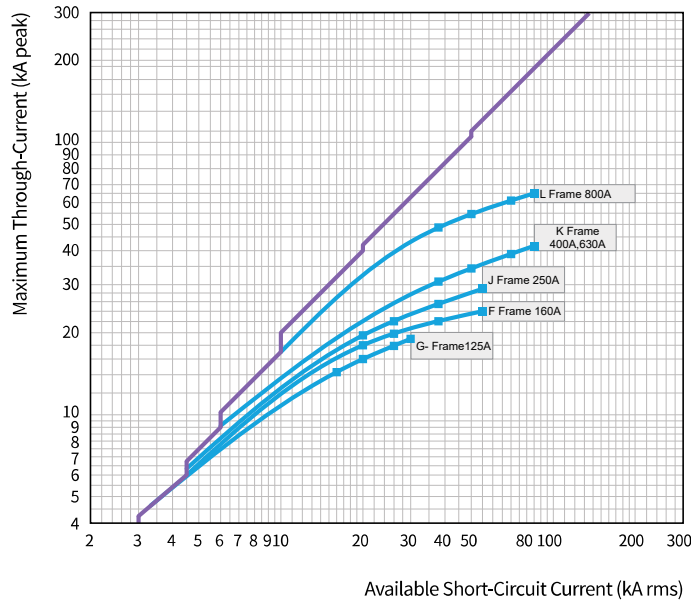


# Current & Energy-Limiting Characteristic Curve

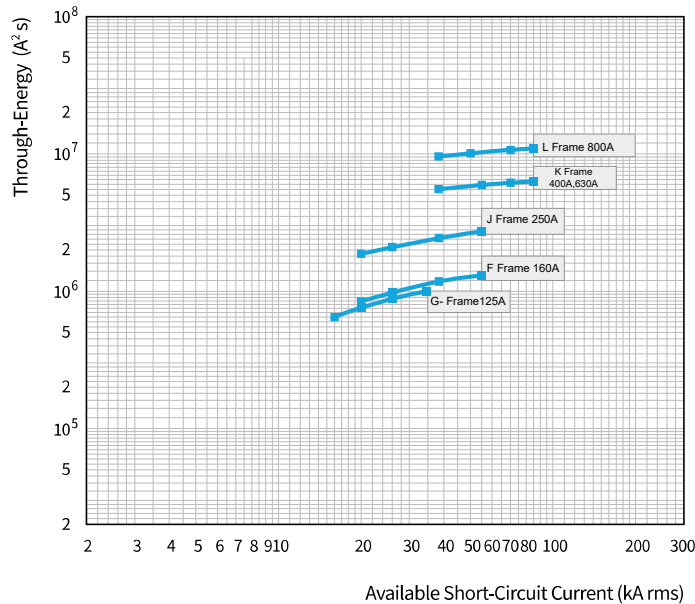
Current - Limiting Characteristic Curve  
400/415V

1

Moulded Case Circuit Breakers



Energy - Limiting Characteristic Curve  
400/415V





# Worldwide

## OUR PROMISE

Westinghouse is built upon a tradition of dependability and innovation.

Today, we strive to make everyday life a little better by offering a wide range of quality products and services you can trust.



## WHY WESTINGHOUSE ?

Since 1886, Westinghouse has brought the best to life. Today, Westinghouse Electric Corporation remains a trusted name globally in consumer and industrial products. Built on a heritage of innovation and entrepreneurial spirit. Today, Westinghouse continues to grow its diverse portfolio, which includes a wide range of product categories, including home appliances, consumer electronics, power generation, Transmission & distribution and lighting.



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Dubai, UAE

Westinghouse LV MV Product  
Istanbul, Turkey

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Email: [info@westinghouselvmv.com](mailto:info@westinghouselvmv.com)

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