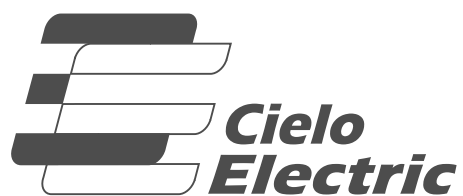


CMC Series Moulded Case Circuit Breaker



MCCB



CMC Series Moulded Case Circuit Breaker

Model name

CMC: Series

225: Ampere frame size

In: Rated current

Ue: Rated operational voltage

Icu: Rated ultimate short-circuit breaking capacity

Ta: Ambient temperature

Uimp: Rated impulse withstand voltage

Ui: Rated insulation voltage

Cat: utilization category

Line side terminal

Ics: Rated service short-circuit breaking capacity

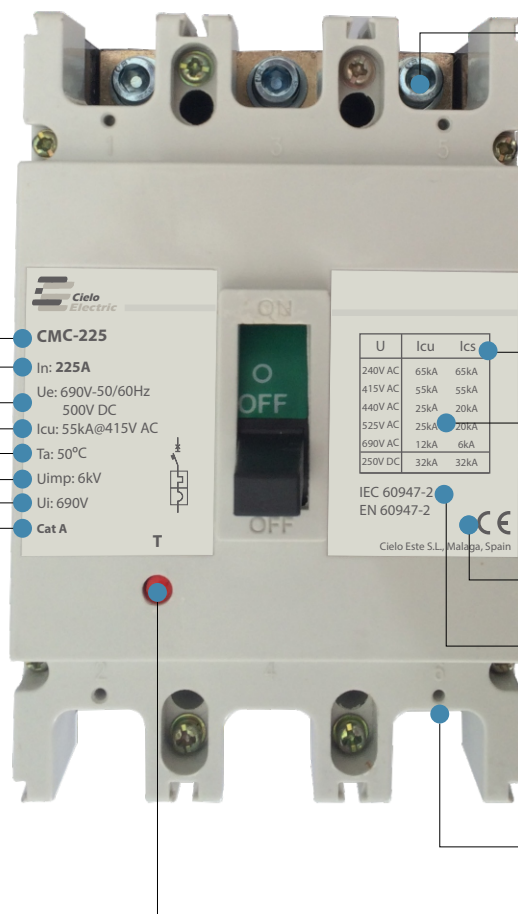
Suitability of isolation

Approvals and certificates

Standard

Load side terminal

Trip button



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CMC Series Moulded Case Circuit Breaker

Features

- 16 to 1600 A current ranges
- 55kA switching capacity
- Offer for protection requirements of industrial and commercial installations
- Thermal magnetic circuit breaker
- Compact design and optimized dimensions
- High reliability
- Comply with standards IEC 60947-1, EN-60947-1, IEC 60947-2, EN-60947-2

Characteristics

Type		CMC-100			CMC-225			CMC-400		CMC-630	
Rated current I_n at 50°C ambient temperature	A	16-25-40- 63-80-100			125-160- 200-225			250-315- 350-400		500-630	
Number of poles		2	3	4	2	3	4	3	4	3	4
Rated operational voltage U_e AC 50/60 Hz	V	690			690			690		690	
DC	V	500			500			500		500	
Switching capacity I_{cu}/I_{cs} RMS value according to IEC 60947-2											
UP to 240V AC	kA	65/65			65/65			65/65		65/65	
UP to 415V AC	kA	55/55			55/55			35/26		35/26	
UP to 440V AC	kA	25/20			25/20			25/20		35/20	
UP to 500/525V AC	kA	25/20			25/20			25/20		25/20	
UP to 690V AC	kA	12/6			12/6			15/8		20/10	
UP to 250V DC	kA	32/32			32/32			32/32		30/30	
Rated insulation voltage U_i	V	690			690			690		690	
Rated impulse withstand voltage U_{imp}	KV	6			6			6		6	
Rated Closing Capacity on short circuit I_{cm} at 415V _{ac}	KA	105			105			105		105	
Category of use	-	A			A			A		A	
Dimensions (L x H x D)											
2-pole	mm	64.5x150x89			73.9x165x111			-		-	
3-Pole		91x150x89			105.5x165x111			148x260x155		181x270x160	
4-Pole		121x150x89			141x165x111			196.5x260x155		238x270x160	
Weight											
2-pole	kg	0.850			1.425			-		-	
3-Pole		1.150			1.900			5.475		7.475	
4-Pole		1.475			2.425			7.075		9.775	



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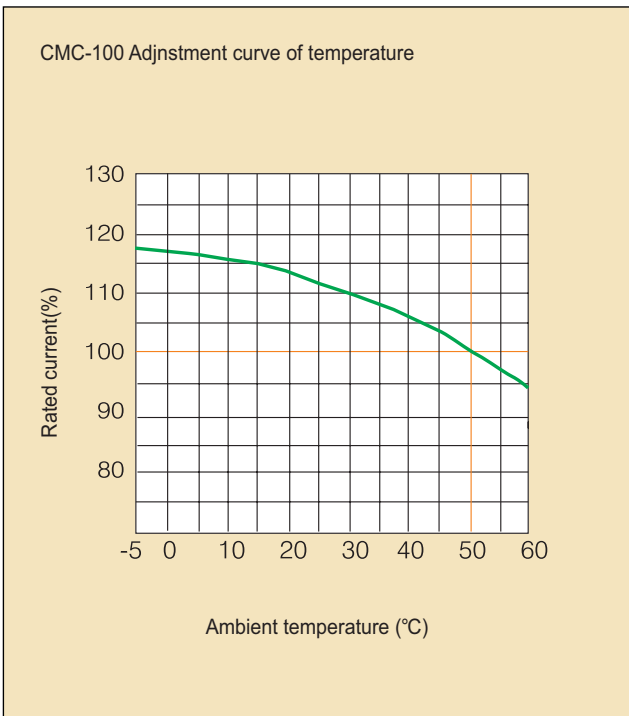
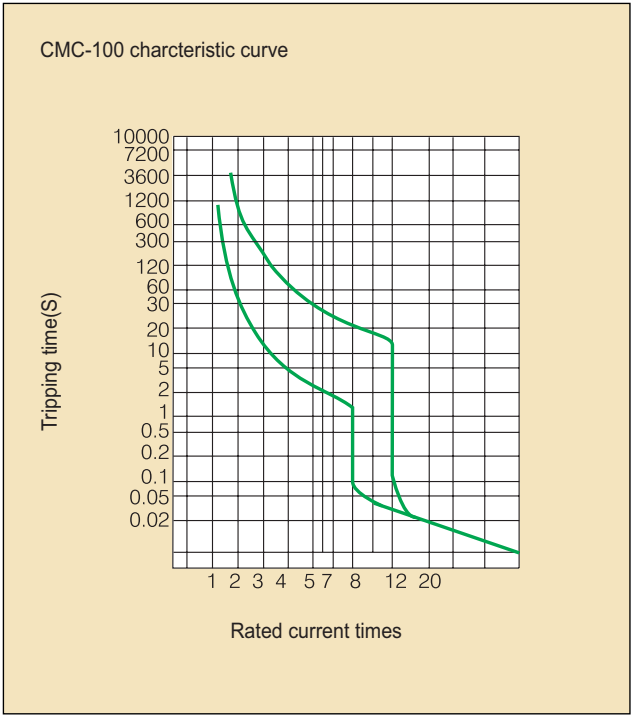
CMC Series Moulded Case Circuit Breaker

CMC-100 Characteristics Curves



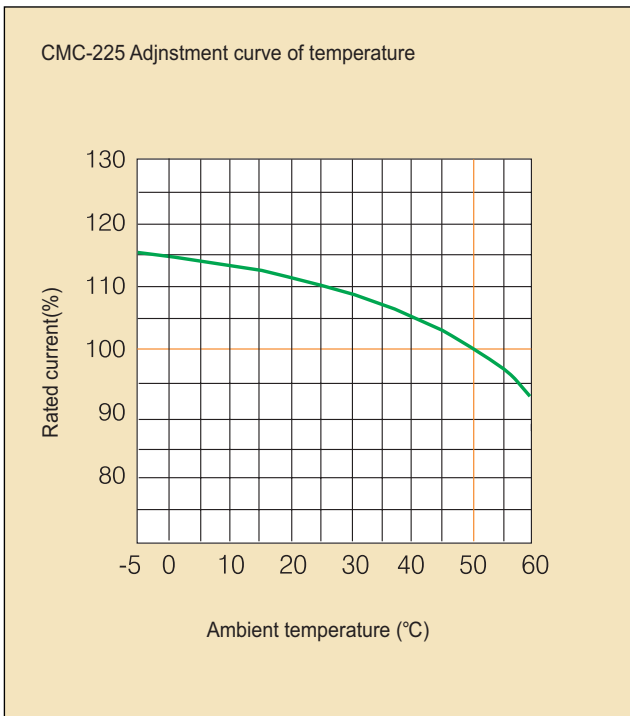
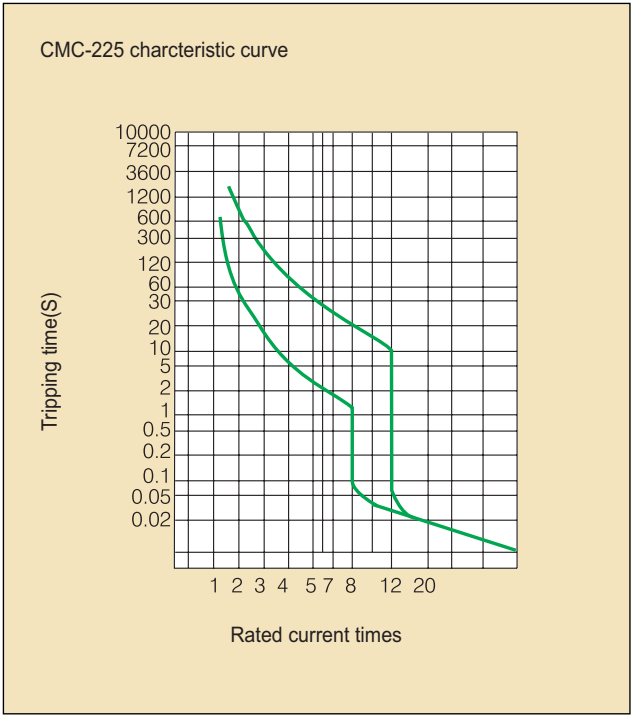
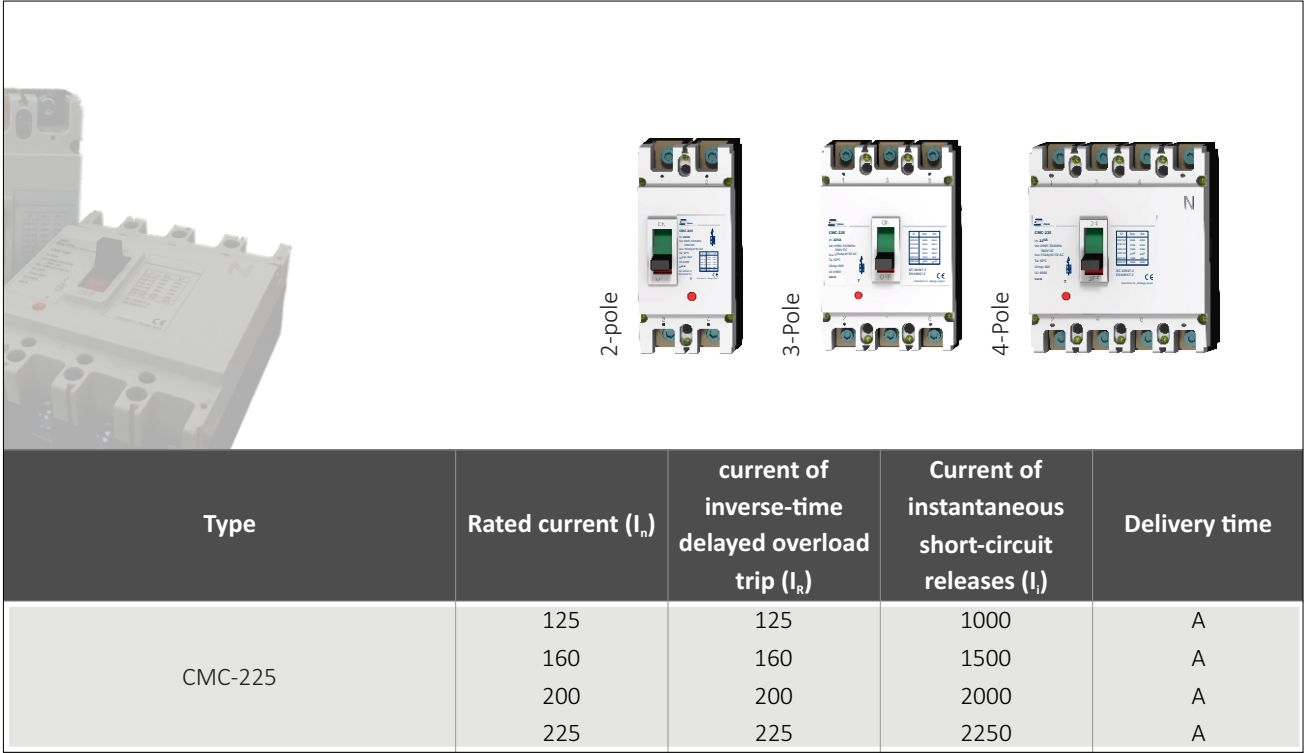


Type	Rated current (I_n)	current of inverse-time delayed overload trip (I_R)	Current of instantaneous short-circuit releases (I_i)	Delivery time
CMC-100	16	16	300	A
	25	25	300	A
	40	40	600	A
	63	63	600	A
	80	80	1000	A
	100	100	1000	A



CMC Series Moulded Case Circuit Breaker

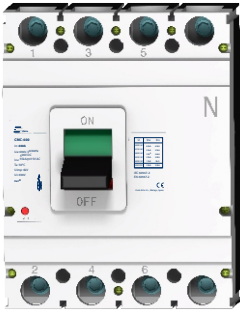
CMC-225 Characteristics Curves



CMC Series Moulded Case Circuit Breaker

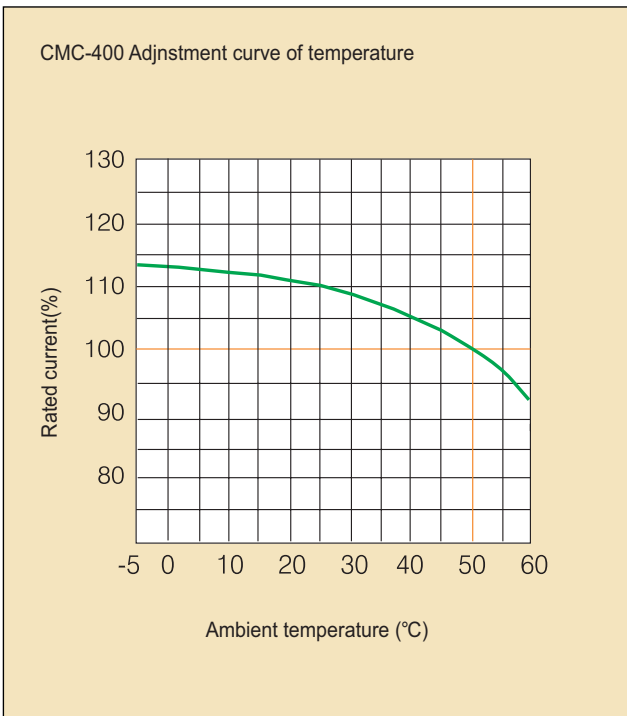
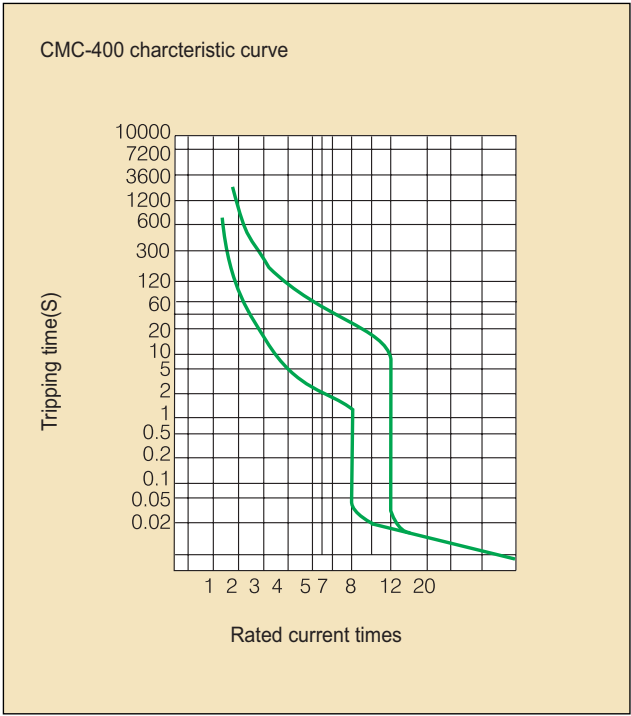
CMC-400 Characteristics Curves



3-Pole
4-Pole

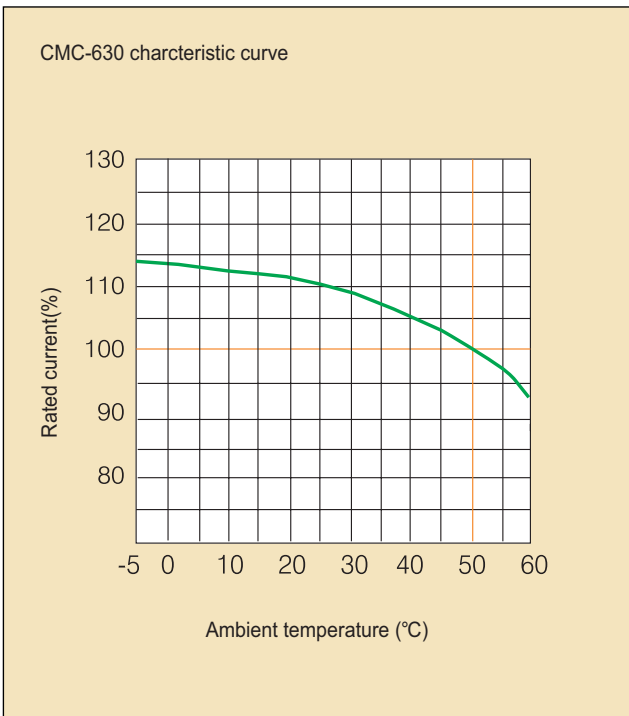
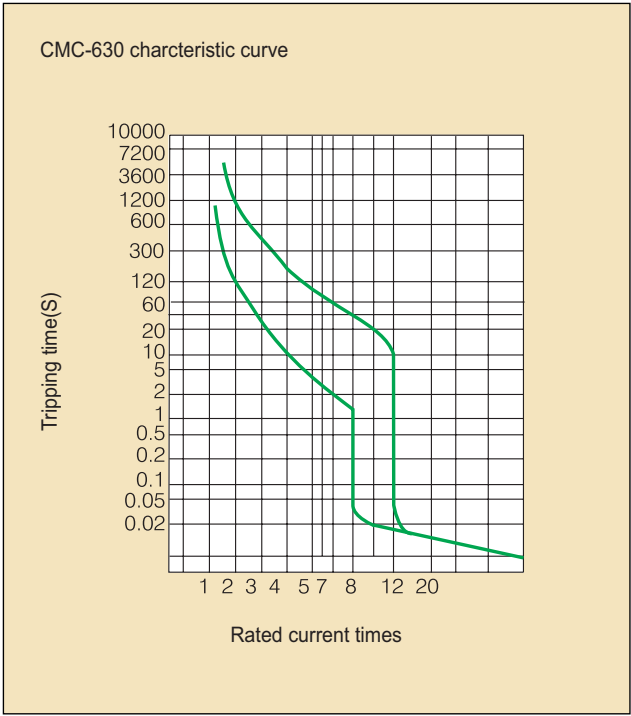
Type	Rated current (I_n)	current of inverse-time delayed overload trip (I_R)	Current of instantaneous short-circuit releases (I_i)	Delivery time
CMC-400	250	250	2500	A
	315	315	3150	A
	350	350	3500	A
	400	400	4000	A



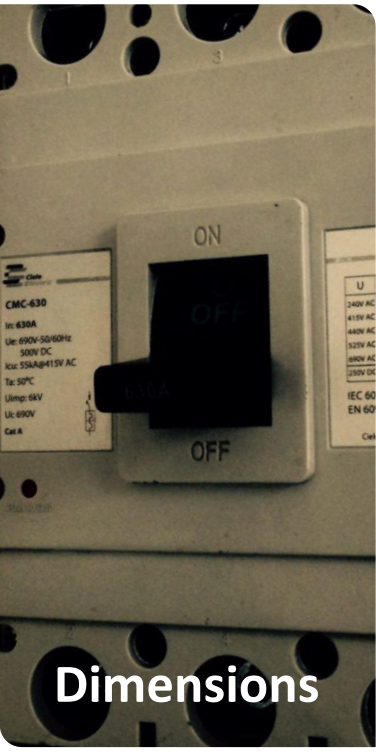
CMC Series Moulded Case Circuit Breaker

CMC-630 Characteristics Curves

 3-Pole  4-Pole 				
Type	Rated current (I_n)	current of inverse-time delayed overload trip (I_R)	Current of instantaneous short-circuit releases (I_i)	Delivery time
CMC-630	125	125	1000	A
	160	160	1500	A

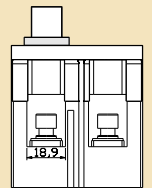
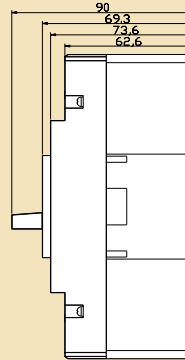
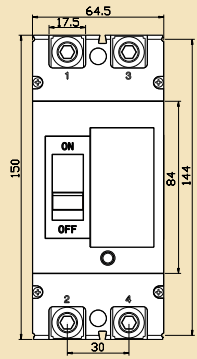


CMC Series Moulded Case Circuit Breaker

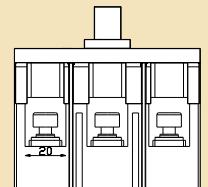
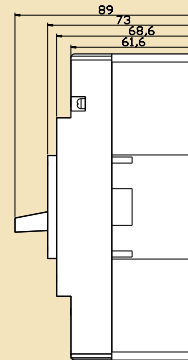
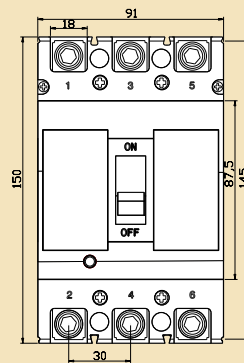


Dimensions

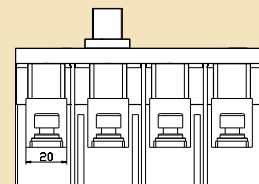
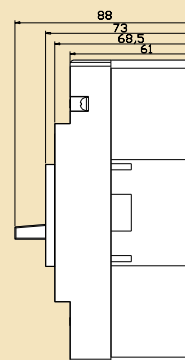
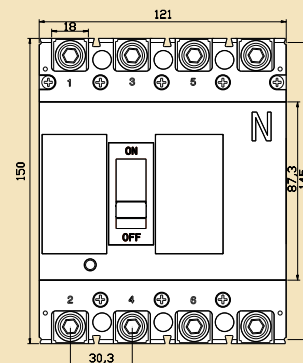
CMC-100
2P



CMC-100
3P



CMC-100
4P

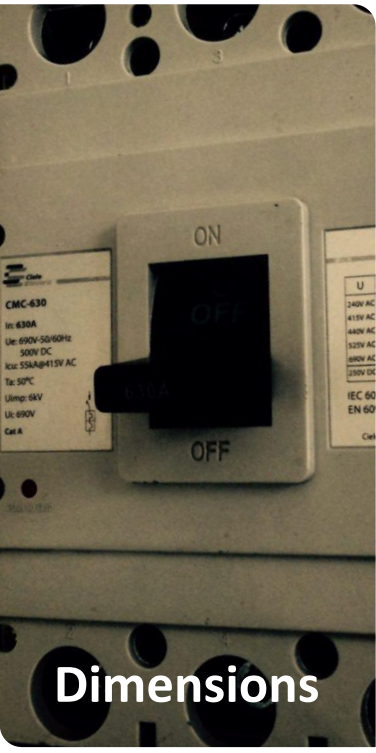


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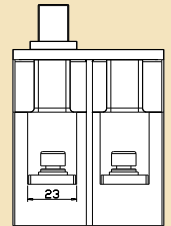
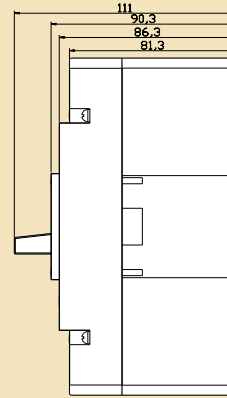
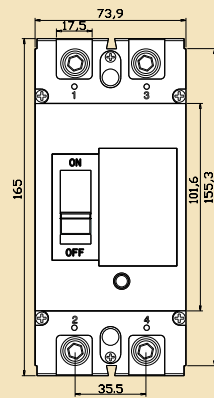
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CMC Series Moulded Case Circuit Breaker

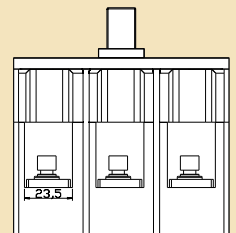
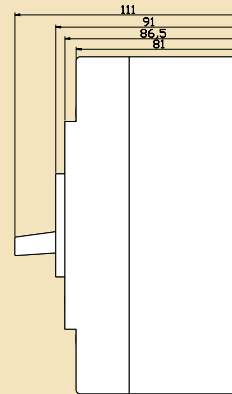
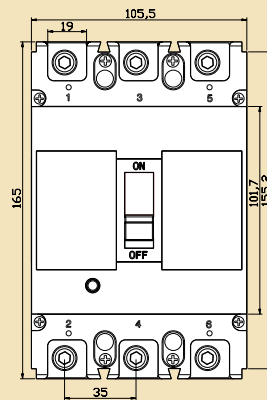


Dimensions

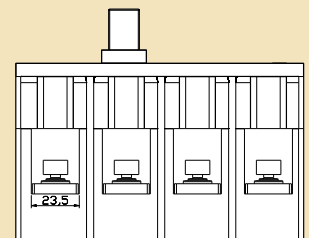
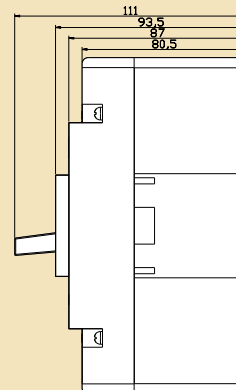
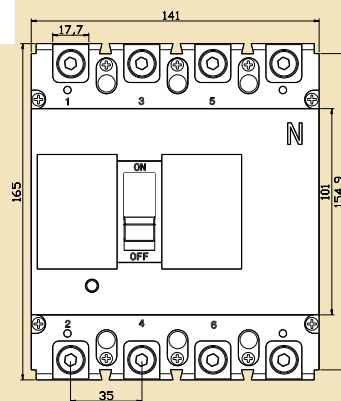
CMC-225
2P



CMC-225
3P



CMC-225
4P



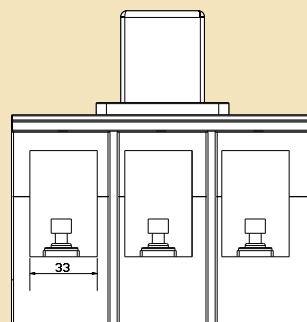
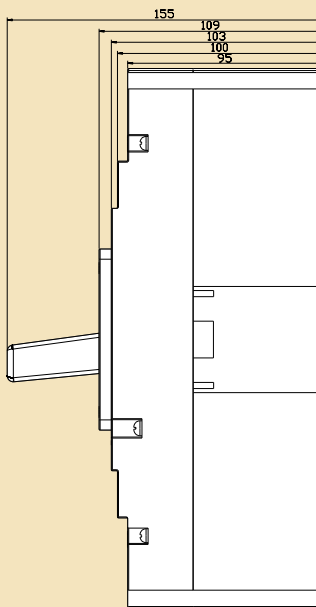
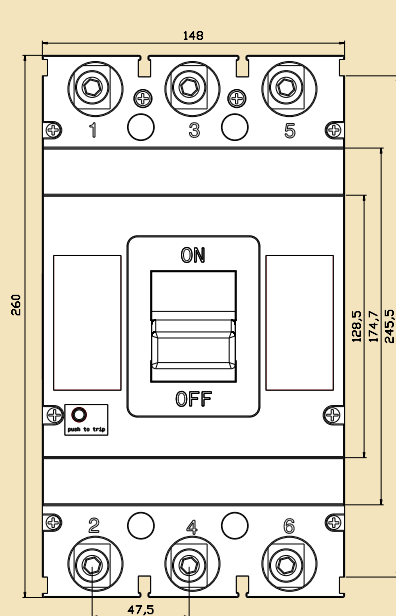
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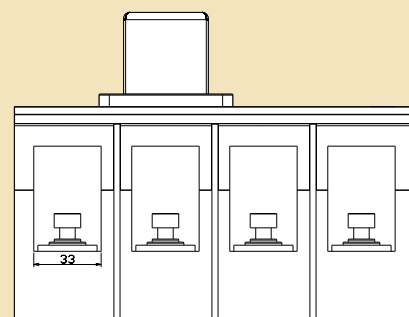
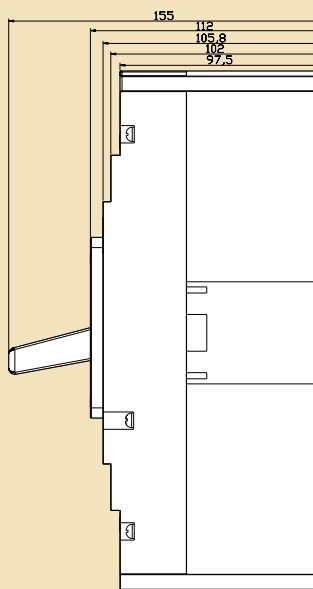
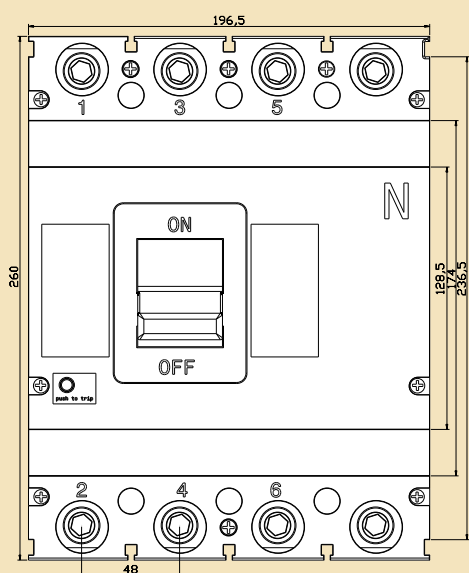
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CMC Series Moulded Case Circuit Breaker

CMC-400
3P



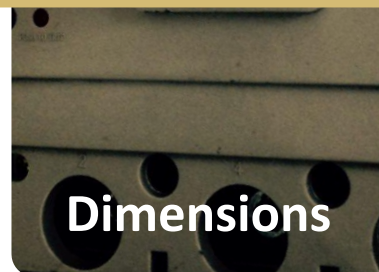
CMC-400
4P



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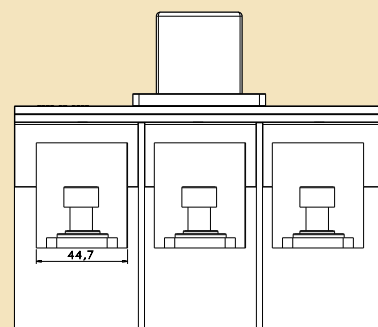
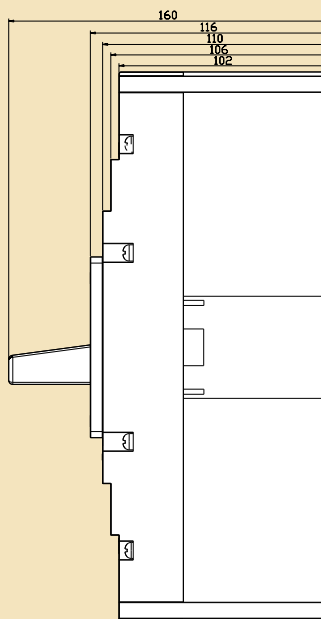
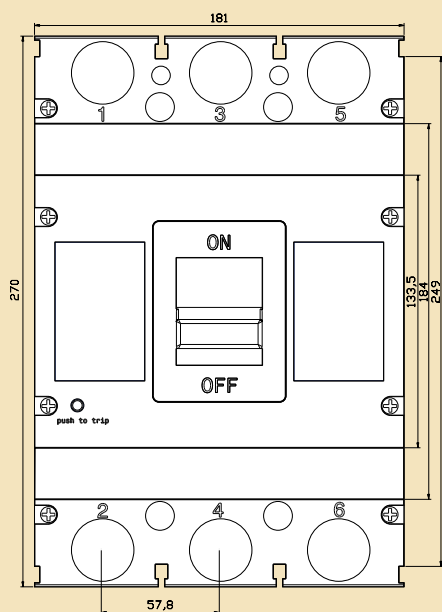


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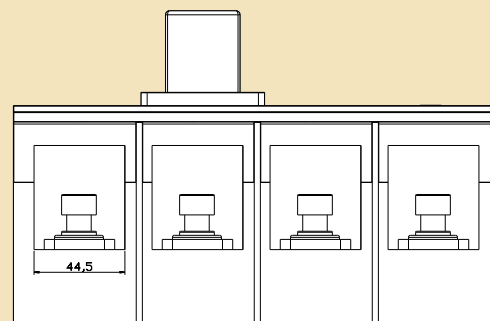
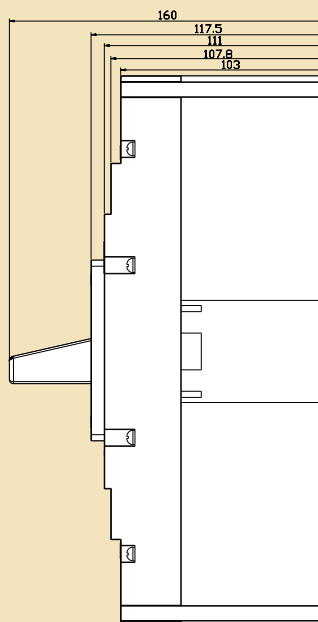
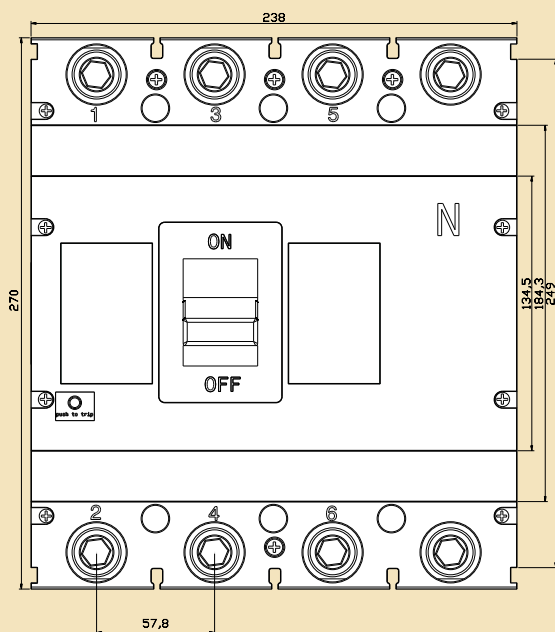


CMC Series Moulded Case Circuit Breaker

CMC-630
3P



CMC-630
4P



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C-EN-35/00



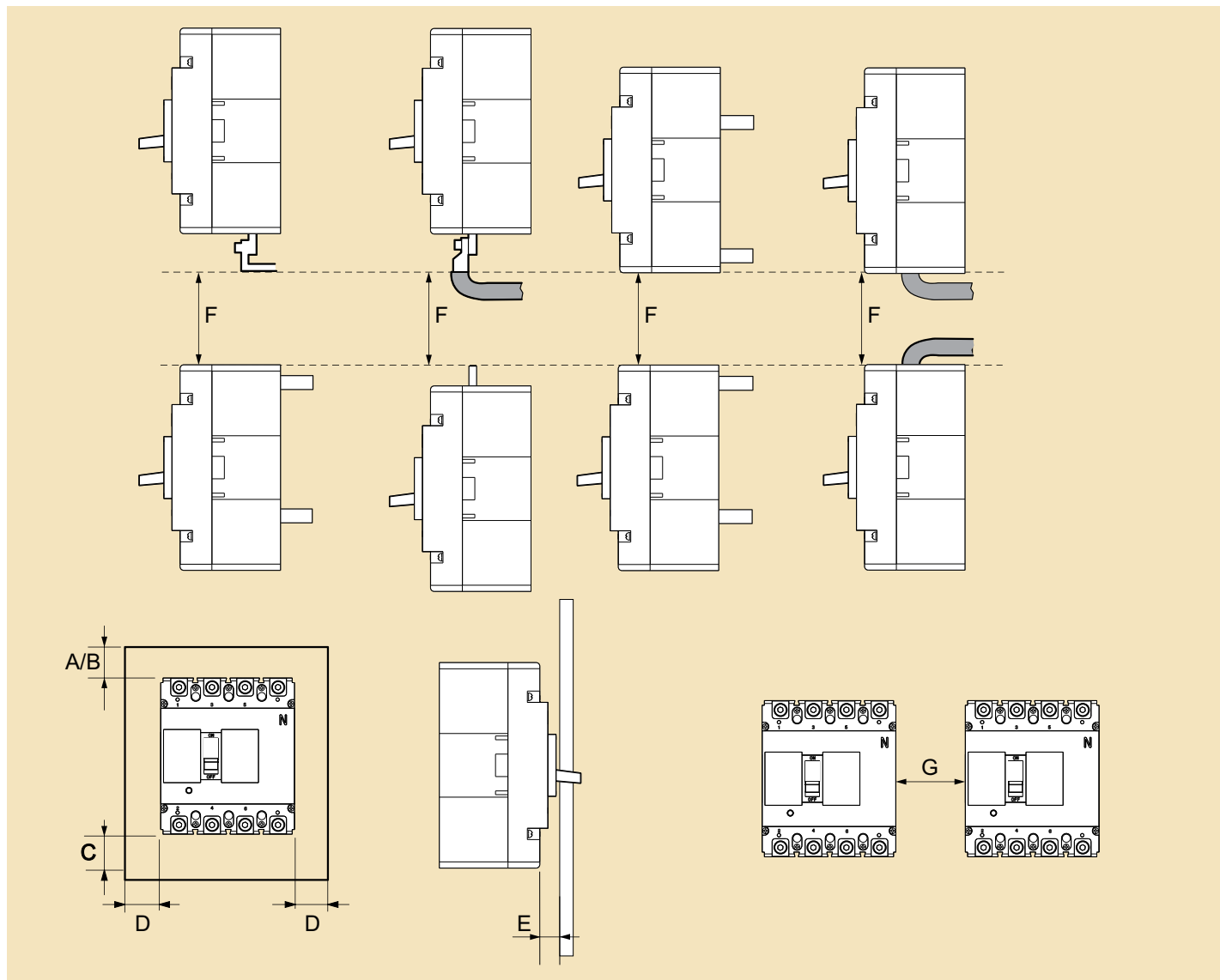
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Dimensions

CMC Series Moulded Case Circuit Breaker

Installation

Mechanical



Minimum distances

MCCB	Nominal rating	Mass wall	Insulating wall	Mass wall	Metal side	Panel door	Distance between two MCCBs	
	In (A)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
CMC-100	16 to 100	60	30	20	20	0	80	0
CMC-225	125 to 225	70	25	25	25	0	140	0
CMC-400	250 to 630	70	25	25	25	0	150	0
CMC-630	500-630	70	25	25	25	0	160	0

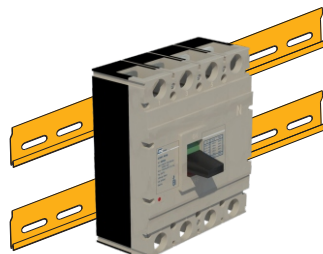


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CMC Series Moulded Case Circuit Breaker

Modes of Installation



On bus-bar

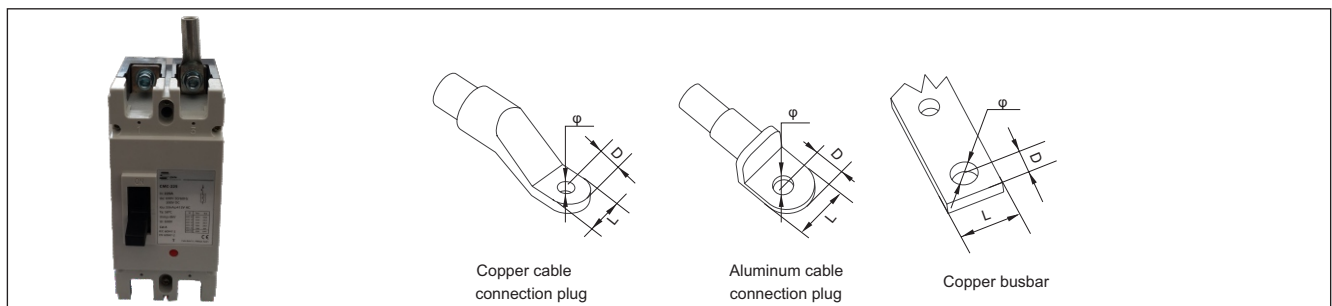


On bottom plate

Installation

Electrical

Cable connection plug and Copper busbar



Dimension	CMC-100	CMC-225	CMC-400	CMC-630
Distance between different poles (mm)	30	35	47.5	57.8
L (mm)	≤ 20	≤ 21	≤ 33	≤ 44.8
D (mm)	8 ≤	≤ 10	≤ 16	≤ 16
φ (mm)	> 8	> 8	> 10	> 12

Screw is used to connect with copper (aluminum) cable connection plug or copper busbar

Size of connection screw:

CMC-100: M8

CMC-225: M8

CMC-400: M10

CMC-630: M12



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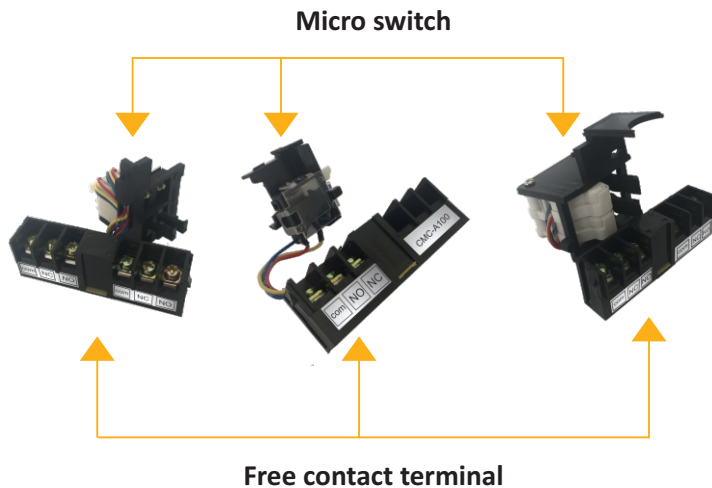


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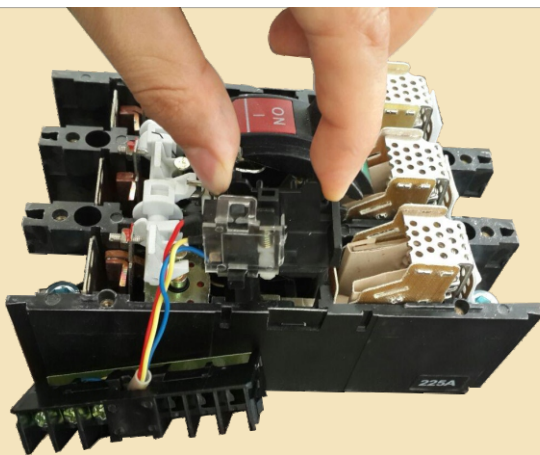
CMC Series Moulded Case Circuit Breaker

Accessories

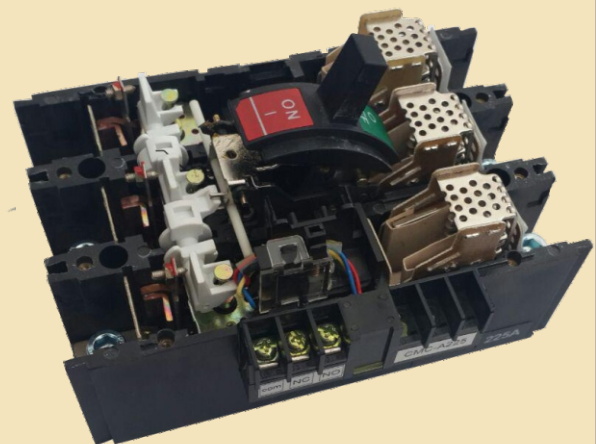
Auxiliary contact



Auxiliary contact installation



1. Open cover of MCCB
2. Put micro switch in place that shown in image



3. install Terminal on body of MCCB as shown
4. Close cover



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