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**Standards**

Series C Moulded Case Circuit Breakers are designed to conform with the following international standards:

- Australian Standard AS 2184 and AS 3947-2 Moulded Case Circuit Breakers.
- British Standards Institution Standard BS 4752: Part 1, Switchgear and Control Gear Part 1, Circuit Breakers.
- International Electrotechnical Commission Recommendations IEC 947.2 Circuit Breakers. 
- Japanese T-Mark Standard Moulded Case Circuit Breakers.
- National Electrical Manufacturers Association Standards Publication No. AB1-1975 Moulded Case Circuit Breakers.
- South African Bureau of Standards, Standard SABS 156, Standard Specification for Moulded Case Circuit Breakers.
- Swiss Electro-Technical Association Standard SEV 947.2, Safety Regulations for Circuit Breakers.
- Union Technique de l'Electricite Standard NF C 63-120, Low Voltage Switchgear and Control Gear Circuit Breaker Requirements.
- Verband Deutscher Elektrotechnike (Association of German Electrical Engineers) Standard VDE 0660, Low Voltage Switchgear and Control Gear, Circuit Breakers.

## Series C Frame Sizes G through R

### General Information

Series C Moulded Case Circuit Breakers provide increased performance in considerably less space than standard circuit breakers or comparable fusible devices. Reduced system costs can also be realized because Series C Circuit Breakers are used in series rated systems, allowing the use of lower interrupting circuit breakers downstream.

Series C Circuit Breakers meet applicable IEC 947-2 standards, have been assigned ultimate and service interrupting ratings per IEC 947-2, and employ adjustable thermal and adjustable magnetic trips.

The Series C family includes seven frame sizes in ratings from 100 to 2500 amperes. Each frame size offers a choice of several interrupting capacities up to 100 kA at 415 volts ac (200 kA at 240 volts ac). This provides greater design flexibility than ever before possible while also helping to save space.

Series C Circuit Breakers virtually eliminate the need for redesign and they can be used to replace older circuit breakers in the same panelboards, feeder pillars, busbar trunking tap-offs, individual enclosures, machine tool control panels, and motor control centres. In most cases, the same connecting straps, studs, and handle mechanisms can be retained and used.

Standard calibration is 40°C. For applications in high ambient temperature conditions, 50°C factory calibration is available.

Series C Circuit Breakers are also provided for dc applications. Interrupting ratings of 35 kA for the 600 ampere frame have been achieved for three-pole breakers in series at 600 volts dc.

### The Most Logically Designed Contact Assembly

The flexibility and outstanding performance characteristics of Series C Circuit Breakers are made possible by one of the most logically designed contact assemblies in circuit breaker history. Based on previously patented Westinghouse contact conductor designs, the Series C contact assembly creates a high-speed "blow-open" action when it confronts the electromechanical forces produced by high-level fault currents.

Series C Circuit Breakers are operated by a toggle-type handle that is mechanically trip-free from the handle so that the contacts cannot be held closed against short circuit currents. Tripping due to overload or short circuits is clearly indicated by the position on the handle. This remarkably fast and dependable contact action is designed to enhance safety.

### Thorough In-Plant Testing

The quality, dependability, and reliability of every Series C Circuit Breaker is assured by a thorough program of in-plant testing. Two calibration tests are conducted on every pole of every circuit breaker to verify the trip mechanism, operating mechanism, continuity, and accuracy.

### ISO Certification

Series C Circuit Breakers are manufactured in ISO certified facilities.

### More Interrupting Capacity in Less Space

Series C Circuit Breakers are physically and electrically interchangeable with the "Classic" standard line of Westinghouse moulded case circuit breakers. This means Series C Breakers are ideal for upgrading equipment designs and retrofitting existing installations.

### Current Limiting Characteristics

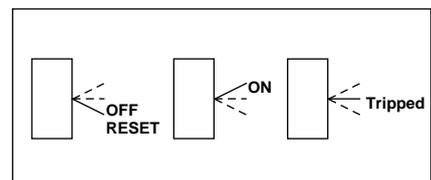
All Series C Circuit Breakers are current limiting because of their high repulsion contact arrangement and incorporation of state-of-the-art arc extinguishing technology.

### Operating Mechanisms

Series C Circuit Breakers have, in their basic version, a toggle handle operating mechanism, which also serves as switching position indicator. As well as ON and OFF, the further position TRIPPED is possible.

The toggle handle snaps into the TRIPPED position if the breaker is tripped by one of its overcurrent, short circuit, shunt or undervoltage releases. Before the circuit breaker can be reclosed following a trip-out, the toggle handle must be brought beyond the OFF position (RESET). The circuit breaker can then be reclosed.

As an additional switching position indicator for F- to R-Frame circuit breakers, there are two windows on the right and on the left of the toggle handle, in which the switching state is indicated by means of the colours red, green and white corresponding to the ON, OFF and TRIPPED positions respectively.



Positions of the Toggle Handle Drive

Series C Frame Sizes G through R

**Panelboards**

As both main and branch circuit protection devices (G-, F-, J-, K-, L- and N-Frames).

**Feeder Pillars**

In distribution systems to provide main and branch circuit protection (F-, J-, K-, L-, N- and R-Frames).

**Switchgear**

In distribution systems to provide main and branch circuit protection up to 2500 amperes (R-Frame).

**Busbar Trunking Tap-Offs**

In busbar trunking tap-offs to provide branch circuit protection (F-Frame); and to provide feeder or branch circuit protection (J-, K- and L-Frames).

**Individual Enclosures**

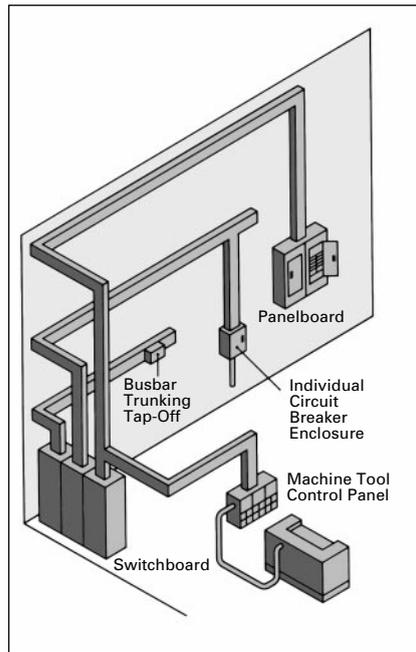
Completely assembled in enclosures to meet specific customer requirements (G-, F-, J-, K-, L-, N- and R-Frames).

**Machine Tool Control Panels and Motor Control Centres**

Applied for specific equipment requirements (G-, F-, J-, K-, and L-Frames).

**Additional Applications**

Special versions of each Series C frame are available to provide safe equipment control and protection in mining and other applications. Contact your Cutler-Hammer agent or distributor for additional information.

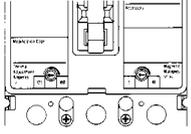
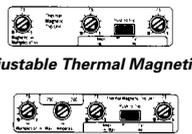


Typical Series C Applications

Frame	Continuous Ampere Rating Range	Type of Trip Unit					Moulded Case Switch
		Adjustable Thermal Fixed Magnetic	Fixed Thermal Fixed Magnetic	Adjustable Thermal Adjustable Magnetic	Adjustable Thermal Fixed Magnetic Earth Leakage	Digitrip RMS Electronic Trip Units	
G	16-100		■				
F	16-225	■	■	■	■		■
J	125-250			■	■		■
K	63-400			■	■	■	■
L	315-800			■		■	■
N	400-1250					■	■
R	800-2500					■	■

## Series C Frame Sizes G through J

## Electrical Characteristics

		G			F						J			
														
Maximum Rated Current (Amperes)		100			160	200		225			250			
Breaker Type		GWF	GWF	FWF	FW	HPW	FWC	FWF	HPWF	FWCF	JW	HJW	JWC	
<b>Breaker Capacity (kA rms) AC 50-60 Hz</b>														
IEC 947-2	220-240 VAC	$I_{CU}$	18	65	40	85	100	200	85	100	200	85	100	200
		$I_{CS}$	9	35	40	85	100	150	85	100	150	85	100	150
	380-415 VAC	$I_{CU}$		25		40	70	100	40	70	100	40	70	100
		$I_{CS}$		13		40	70	75	40	70	75	40	70	75
	660-690 VAC	$I_{CU}$				12	14	18	12	14	18	14	18	22
		$I_{CS}$				6	7	9	6	7	9	7	9	11
250 VDC <sup>①</sup>	$I_{CU}$		10		10	20	20	10	20	20	10	20	20	
	$I_{CS}$		5		5	10	10	5	10	10	5	10	10	
NEMA	240 VAC		65	65	25 <sup>②</sup>	65	100	200	65	100	200	65	100	200
	480 VAC			22		25	65	100	25	65	100	35	65	100
	600 VAC					18	25	35	18	25	35	18	25	35
Number of Poles		1	2, 3	1	2, 3, 4						2, 3, 4			
Ampere Range		16-100A		16-160A	16-225 <sup>④</sup>			16-225 <sup>③④</sup>			125-250A			
Trip Units														
					Adjustable Thermal Magnetic						Adjustable Thermal Magnetic			
					Adjustable Thermal Magnetic						Adjustable Thermal Magnetic			
Interchangeable														
Built-in		■	■	■	■	■	■	■	■	■	■	■	■	
Thermal Magnetic	Fixed Thermal	■	■	■	■	■	■	■	■	■	■	■	■	
	Adjustable Thermal <sup>②</sup>	Fixed	Fixed	■	■	■	■	■	■	■	■	■	■	
	Magnetic	Fixed	Fixed	Fixed, Opt Adj.			Fixed			Adjustable				
Solid State rms	LS													
	LSI													
	LSG													
	LSIG													
Dimensions (mm)		H	W	D	H	W	D	H	W	D	H	W	D	
	1-Pole	123.8	254.4	66.7	152.4	35	86	254	105	103	—	—	—	
	2-Pole		50.8								—	—	—	
	3-Pole		76.2								—	—	—	
	4-Pole	—	—	—							140	140		
Weight (approximate) Kgs.		1-Pole	2-Pole	3-Pole	1-Pole	2-Pole	3-Pole	4-Pole	3-Pole	4-Pole	3-Pole	4-Pole		
		0.4	0.7	1	0.7	1.8	2.4	3.1	5.2	7.0	5.2	7.0		

① 2 poles in series.

② At 277 VAC.

③ FWF 16-40A, 415 VAC maximum.

④ FWC 200A and FWCF 175-225A rated 14/7 kA at 690 V.

Series C Frame Size F, 16-225 Amperes

Selection Guide and Ordering Information

Maximum Continuous Ampere Rating at 40°C <sup>①</sup>	Standard Interrupting Capacity Catalogue Number				High Interrupting Capacity Catalogue Number				Ultra-High Interrupting Capacity Catalogue Number			Standard Terminals Only Catalogue Number	Metric Mounting Hardware Catalogue Number
	U <sub>e</sub> Max. 240 VAC		U <sub>e</sub> Maximum 690 VAC		U <sub>e</sub> Maximum 240 VAC		U <sub>e</sub> Maximum 690 VAC		U <sub>e</sub> Maximum 690 VAC				
	40 kA I <sub>cu</sub> at 240 VAC		40 kA I <sub>cu</sub> at 415 VAC		70 kA I <sub>cu</sub> at 240 VAC		70 kA I <sub>cu</sub> at 415 VAC		100 kA I <sub>cu</sub> at 415 VAC				
	1-Pole	2-Pole	3-Pole	4-Pole <sup>②</sup>	1-Pole	2-Pole	3-Pole	4-Pole <sup>②</sup>	2-Pole	3-Pole	4-Pole <sup>②</sup>		

Fixed Thermal / Fixed Magnetic Circuit Breakers – Sealed Breakers with Noninterchangeable Trip Units Line and Load Terminals Included

	Type FWF (16-40A, 415 VAC Max.)				Type HFWF (16-40A, 415 VAC Max.)				Type FWCF (16-40A, 415 VAC Max.)				
16	FWF1016L	FWF2016L	FWF3016L	FWF4016L	HFWF1016L	HFWF2016L	HFWF3016L	HFWF4016L	FWCF2016L	FWCF3016L	FWCF4016L	T100FB	BMH1M
20	FWF1020L	FWF2020L	FWF3020L	FWF4020L	HFWF1020L	HFWF2020L	HFWF3020L	HFWF4020L	FWCF2020L	FWCF3020L	FWCF4020L	T100FB	BMH1M
25	FWF1025L	FWF2025L	FWF3025L	FWF4025L	HFWF1025L	HFWF2025L	HFWF3025L	HFWF4025L	FWCF2025L	FWCF3025L	FWCF4025L	T100FB	BMH1M
32	FWF1032L	FWF2032L	FWF3032L	FWF4032L	HFWF1032L	HFWF2032L	HFWF3032L	HFWF4032L	FWCF2032L	FWCF3032L	FWCF4032L	T100FB	BMH1M
40	FWF1040L	FWF2040L	FWF3040L	FWF4040L	HFWF1040L	HFWF2040L	HFWF3040L	HFWF4040L	FWCF2040L	FWCF3040L	FWCF4040L	T100FB	BMH1M
50	FWF1050L	FWF2050L	FWF3050L	FWF4050L	HFWF1050L	HFWF2050L	HFWF3050L	HFWF4050L	FWCF2050L	FWCF3050L	FWCF4050L	T100FB	BMH1M
63	FWF1063L	FWF2063L	FWF3063L	FWF4063L	HFWF1063L	HFWF2063L	HFWF3063L	HFWF4063L	FWCF2063L	FWCF3063L	FWCF4063L	T100FB	BMH1M
80	FWF1080L	FWF2080L	FWF3080L	FWF4080L	HFWF1080L	HFWF2080L	HFWF3080L	HFWF4080L	FWCF2080L	FWCF3080L	FWCF4080L	T100FB	BMH1M
100	FWF1100L	FWF2100L	FWF3100L	FWF4100L	HFWF1100L	HFWF2100L	HFWF3100L	HFWF4100L	FWCF2100L	FWCF3100L	FWCF4100L	T100FB	BMH1M
125	FWF1125L	FWF2125L	FWF3125L	FWF4125L	HFWF1125L	HFWF2125L	HFWF3125L	HFWF4125L	FWCF2125L	FWCF3125L	FWCF4125L	T100FB	BMH1M
160	FWF1160L	FWF2160L	FWF3160L	FWF4160L	HFWF1160L	HFWF2160L	HFWF3160L	HFWF4160L	FWCF2160L	FWCF3160L	FWCF4160L	T100FB	BMH1M
175	–	FWF2175L	FWF3175L	FWF4175L	–	HFWF2175L	HFWF3175L	HFWF4175L	FWCF2175L	FWCF3175L	FWCF4175L	TA225FDM	BMH1M
200	–	FWF2200L	FWF3200L	FWF4200L	–	HFWF2200L	HFWF3200L	HFWF4200L	FWCF2200L	FWCF3200L	FWCF4200L	TA225FDM	BMH1M
225	–	FWF2225L	FWF3225L	FWF4225L	–	HFWF2225L	HFWF3225L	HFWF4225L	FWCF2225L	FWCF3225L	FWCF4225L	TA225FDM	BMH1M

Maximum Continuous Ampere Rating at 40°C <sup>①</sup>	Thermal Range	Magnetic Range	Standard Interrupting Capacity Catalogue Number		High Interrupting Capacity Catalogue Number		Ultra-High Interrupting Capacity Catalogue Number		Standard Terminals Only Catalogue Number	Metric Mounting Hardware Catalogue Number
			U <sub>e</sub> Maximum 690 VAC		U <sub>e</sub> Maximum 690 VAC		U <sub>e</sub> Maximum 690 VAC			
			40 kA I <sub>cu</sub> at 415 VAC		70 kA I <sub>cu</sub> at 415 VAC		100 kA I <sub>cu</sub> at 415 VAC			
			3-Pole	4-Pole <sup>③</sup>	3-Pole	4-Pole <sup>③</sup>	3-Pole	4-Pole <sup>③</sup>		

Adjustable Thermal/Fixed Magnetic Circuit Breakers – Sealed Breakers with Noninterchangeable Trip Units Line and Load Terminals Included

			Type FW		Type HFW		Type FWC			
16	12-16	Fixed	FW3016L	FW4016L	HFW3016L	HFW4016L	FWC3016L	FWC4016L	T100FB	BMH1M
20	16-20	Fixed	FW3020L	FW4020L	HFW3020L	HFW4020L	FWC3020L	FWC4020L	T100FB	BMH1M
25	20-25	Fixed	FW3025L	FW4025L	HFW3025L	HFW4025L	FWC3025L	FWC4025L	T100FB	BMH1M
32	25-32	Fixed	FW3032L	FW4032L	HFW3032L	HFW4032L	FWC3032L	FWC4032L	T100FB	BMH1M
40	32-40	Fixed	FW3040L	FW4040L	HFW3040L	HFW4040L	FWC3040L	FWC4040L	T100FB	BMH1M
50	40-50	Fixed	FW3050L	FW4050L	HFW3050L	HFW4050L	FWC3050L	FWC4050L	T100FB	BMH1M
63	50-63	Fixed	FW3063L	FW4063L	HFW3063L	HFW4063L	FWC3063L	FWC4063L	T100FB	BMH1M
80	63-80	Fixed	FW3080L	FW4080L	HFW3080L	HFW4080L	FWC3080L	FWC4080L	T100FB	BMH1M
100	80-100	Fixed	FW3100L	FW4100L	HFW3100L	HFW4100L	FWC3100L	FWC4100L	T100FB	BMH1M
125	100-125	Fixed	FW3125L	FW4125L	HFW3125L	HFW4125L	FWC3125L	FWC4125L	T100FB	BMH1M
160	125-160	Fixed	FW3160L	FW4160L	HFW3160L	HFW4160L	FWC3160L	FWC4160L	T100FB	BMH1M
200	160-200	Fixed	FW3200L	FW4200L	HFW3200L	HFW4200L	FWC3200L	FWC4200L	TA225FDM	BMH1M
225	200-225	Fixed	FW3225L	FW4225L	HFW3225L	HFW4225L	FWC3225L	FWC4225L	TA225FDM	BMH1M

Adjustable Thermal/Adjustable Magnetic Circuit Breakers – Sealed Breakers with Noninterchangeable Trip Units

			Type FW-J		Type HFW-J		Type FWC-J			
20	16-20	100-200	FW3020JL	FW4020JL	HFW3020JL	HFW4020JL	FWC3020JL	FWC4020JL	T100FB	BMH1M
25	20-25	125-250	FW3025JL	FW4025JL	HFW3025JL	HFW4025JL	FWC3025JL	FWC4025JL	T100FB	BMH1M
32	25-32	160-320	FW3032JL	FW4032JL	HFW3032JL	HFW4032JL	FWC3032JL	FWC4032JL	T100FB	BMH1M
40	32-40	200-400	FW3040JL	FW4040JL	HFW3040JL	HFW4040JL	FWC3040JL	FWC4040JL	T100FB	BMH1M
50	40-50	300-500	FW3050JL	FW4050JL	HFW3050JL	HFW4050JL	FWC3050JL	FWC4050JL	T100FB	BMH1M
63	50-63	315-630	FW3063JL	FW4063JL	HFW3063JL	HFW4063JL	FWC3063JL	FWC4063JL	T100FB	BMH1M
80	63-80	400-800	FW3080JL	FW4080JL	HFW3080JL	HFW4080JL	FWC3080JL	FWC4080JL	T100FB	BMH1M
100	80-100	500-1000	FW3100JL	FW4100JL	HFW3100JL	HFW4100JL	FWC3100JL	FWC4100JL	T100FB	BMH1M
125	100-125	625-1250	FW3125JL	FW4125JL	HFW3125JL	HFW4125JL	FWC3125JL	FWC4125JL	T100FB	BMH1M
160	125-160	800-1600	FW3160JL	FW4160JL	HFW3160JL	HFW4160JL	FWC3160JL	FWC4160JL	T100FB	BMH1M
200	160-200	1000-2000	FW3200JL	FW4200JL	HFW3200JL	HFW4200JL	FWC3200JL	FWC4200JL	T225FDM	BMH1M
225	200-225	1125-2250	FW3225JL	FW4225JL	HFW3225JL	HFW4225JL	FWC3225JL	FWC4225JL	TA225FDM	BMH1M

Adjustable Thermal/Fixed Magnetic Earth Leakage Circuit Breakers – Sealed Breakers with Noninterchangeable Trip Units Line and Load Terminals Included

			Type ELFW (U <sub>e</sub> Max. 415 VAC)		Type ELHFW (U <sub>e</sub> Max. 415 VAC)		Type ELFWC (U <sub>e</sub> Max. 415 VAC)			
50	40-50	Fixed	ELFW3050L	ELFW4050L	ELHFW3050L	ELHFW4050L	ELFWC3050L	ELFWC4050L	TF100FB	BMH1M
63	50-63	Fixed	ELFW4063L	ELFW4063L	ELHFW4063L	ELHFW4063L	ELFWC4063L	ELFWC4063L	TF100FB	BMH1M
80	63-80	Fixed	ELFW3080L	ELFW4080L	ELHFW3080L	ELHFW4080L	ELFWC3080L	ELFWC4080L	TF100FB	BMH1M
100	80-100	Fixed	ELFW3100L	ELFW4100L	ELHFW3100L	ELHFW4100L	ELFWC3100L	ELFWC4100L	TF100FB	BMH1M
125	100-125	Fixed	ELFW3125L	ELFW4125L	ELHFW3125L	ELHFW4125L	ELFWC3125L	ELFWC4125L	TF100FB	BMH1M
160	125-160	Fixed	ELFW3160L	ELFW4160L	ELHFW3160L	ELHFW4160L	ELFWC3160L	ELFWC4160L	TF100FB	BMH1M
200	160-200	Fixed	ELFW3200L	ELFW4200L	ELHFW3200L	ELHFW4200L	ELFWC3200L	ELFWC4200L	TA225FDM	BMH1M

Moulded Case Switches

			Type FWF (U <sub>e</sub> Max. 690 VAC)		Type HFWF (U <sub>e</sub> Max. 690 VAC)					
			3-Pole	4-Pole	3-Pole	4-Pole				
100	–	–	FWF3100KL	FWF4100KL	HFWF3100KL	HFWF4100KL	–	–	T100FB	BMH1M
160	–	–	FWF3160KL	FWF4160KL	HFWF3160KL	HFWF4160KL	–	–	T100FB	BMH1M
225	–	–	FWF3225KL	FWF4225KL	HFWF3225KL	HFWF4225KL	–	–	TA225FDM	BMH1M

① Special 50°C rating available. Order by description.

② Add suffix 1 for 100% protected neutral. Neutral left pole.

③ Neutral left pole. 16-63A unprotected neutral only.

Add suffix 1 for 100% protected neutral 80-100A.

Add suffix 6 for 60% protected neutral 125-225A.

Series C Frame Size J, 100-250 Amperes

**Selection Guide and Ordering Information**

Maximum Continuous Ampere Rating at 40°C <sup>①②</sup>	Number of Poles	Thermal Range	Magnetic Range	Standard Interrupting Capacity		High Interrupting Capacity		Ultra-High Interrupting Capacity Current Limiting		Thermal Magnetic Trip Unit Only	Standard Terminals Only Catalogue Number	Metric Mounting Hardware Catalogue Number
				U <sub>g</sub> Max. 690 VAC		U <sub>g</sub> Max. 690 VAC		U <sub>g</sub> Max. 690 VAC				
				40 kA I <sub>cu</sub> at 415 VAC		70 kA I <sub>cu</sub> at 415 VAC		100 kA I <sub>cu</sub> at 415 VAC				
				Factory Assembled Circuit Breaker Consisting of Frame, Trip Unit, and Terminals	Frame Only	Factory Assembled Circuit Breaker Consisting of Frame, Trip Unit, and Terminals	Frame Only	Factory Assembled Circuit Breaker Consisting of Frame, Trip Unit, and Terminals	Frame Only			
Catalogue Number										For Use with Standard or High or Ultra-High Interrogating Frame		
										Adjustable Thermal		
										Adjustable Magnetic		

**Adjustable Thermal Magnetic Circuit Breakers**  
With Interchangeable Trip Units

				Type JW		Type HJW		Type JWC				
125	2-Pole	100-125	625-1250	JW2125	JW2250F	HJW2125	HJW2250F	JWC2125	JWC2250F	JT2125TA	TA250KB <sup>②</sup>	BMH2M
160		125-160	800-1600	JW2160		HJW2160		JWC2160		JT2160TA	TA250KB <sup>②</sup>	BMH2M
200		160-200	1000-2000	JW2200		HJW2200		JWC2200		JT2200TA	TA250KB <sup>②</sup>	BMH2M
250		200-250	1250-2500	JW2250		HJW2250		JWC2250		JT2250TA	TA250KB <sup>②</sup>	BMH2M
125	3-Pole	100-125	625-1250	JW3125	JW3250F	HJW3125	HJW3250F	JWC3125	JWC3250F	JT3125TA	TA250KB <sup>②</sup>	BMH2M
160		125-160	800-1600	JW3160		HJW3160		JWC3160		JT3160TA	TA250KB <sup>②</sup>	BMH2M
200		160-200	1000-2000	JW3200		HJW3200		JWC3200		JT3200TA	TA250KB <sup>②</sup>	BMH2M
250		200-250	1250-2500	JW3250		HJW3250		JWC3250		JT3250TA	TA250KB <sup>①</sup>	BMH2M
125	4-Pole	100-125	625-1250	JW4125	JW4250F	HJW41250	HJW4250F	JWC41250	JWC4250F	JT4125TA	TA250KB <sup>②</sup>	BMH2M
160		125-160	800-1600	JW4160		HJW41600		JWC41600		JT4160TA	TA250KB <sup>②</sup>	BMH2M
200		160-200	1000-2000	JW4200		HJW42000		JWC42000		JT4200TA	TA250KB <sup>②</sup>	BMH2M
250		200-250	1250-2500	JW4250		HJW42500		JWC42500		JT4250TA	TA250KB <sup>②</sup>	BMH2M
200		160-200	1000-2000	JW4200E <sup>③</sup>		HJW42006		JWC42006		JT4200TEA <sup>③</sup>	TA250KB <sup>②</sup>	BMH2M
250		200-250	1250-2500	JW4250E <sup>③</sup>		HJW42506		JWC42506		JT4250TEA <sup>③</sup>	TA250KB <sup>②</sup>	BMH2M

**Adjustable Thermal Magnetic Earth Leakage Circuit Breakers**  
With Line and Load Terminals Included

				Type ELJW (U <sub>g</sub> Max. 415 VAC)		Type ELHJW (U <sub>g</sub> Max. 415 VAC)		Type ELJWC (U <sub>g</sub> Max. 415 VAC)				
125	3-Pole	100-125	625-1250	ELJW3125	—	ELHJW3125	—	ELJWC3125	—	—	TA250KB	BMH2M
160		125-160	800-1600	ELJW3160		ELHJW3160		ELJWC3160		—	TA250KB	BMH2M
200		160-200	1000-2000	ELJW3200		ELHJW3200		ELJWC3200		—	TA250KB	BMH2M
250		200-250	1250-2500	ELJW3250		ELHJW3250		ELJWC3250		—	TA250KB	BMH2M
125	4-Pole	100-125	625-1250	ELJW4125	—	ELHJW4125	—	ELJWC4125	—	—	TA250KB	BMH2M
160		125-160	800-1600	ELJW4160		ELHJW4160		ELJWC4160		—	TA250KB	BMH2M
200		160-200	1000-2000	ELJW4200		ELHJW4200		ELJWC4200		—	TA250KB	BMH2M
250		200-250	1250-2500	ELJW4250		ELHJW4250		ELJWC4250		—	TA250KB	BMH2M

**Moulded Case Switches**

**MCS Only without Line and Load Terminals**

				Type JW (U <sub>g</sub> Max. 690 VAC)		Type HJW (U <sub>g</sub> Max. 690 VAC)						
250	2-Pole	—	—	JW2250KW	—	HJW2250KW	—	—	—	—	TA250KB <sup>②</sup>	BMH2M <sup>②</sup>
	3-Pole			JW3250KW		HJW3250KW					TA250KB <sup>②</sup>	BMH2M <sup>②</sup>
	4-Pole			JW4250KW		HJW4250KW					TA250KB <sup>②</sup>	BMH2M <sup>②</sup>

① Special 50°C rating available. Order by description.  
② Individually packed.  
③ 60% protected neutral.