3P Series Molded Case Circuit Breakers Overview

Overview

Designed to provide branch and feeder circuit protection in industrial control panels, this line of Molded Case Circuit Breakers supplies protection against overload in conductors and short circuit in connected equipment such as motors. They are UL listed for installation in UL 508 control panels. Their small size, in relation to standard circuit breakers or other comparable devices, saves panel space. Four frame sizes and all standard accessories are available.

Features

- UL489 listed performance for branch circuit overcurrent protection and disconnecting means
- Patented contact conductor designs featuring high-speed "blow-open" action, providing superior performance when high level fault currents produce extra-ordinary electromechanical forces
- · Advanced arc extinguishing technology
- Toggle handle provides three positions (on/off/tripped) along with visual indicators
- Manufactured in ISO 9000 certified facilities
- HACR (heating, air conditioning and refrigeration) rated
 G-Frame and F-Frame breakers are suitable for reverse feed
- K-Frame and L-Frame breakers include 3-pole adjustable magnetic trip.

Note: These parts available for sale to North American locations only.

Listings

- UL 489 MCCB, File: E7819
- Field-installed accessories: UL file E64983
- CSA 22.2 No.5, File: 43556
- IEC 157-1
- NEMA Standards Pub. No. AB1-1993



Manufactured by Eaton Corporation

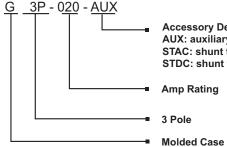
	Molded Case Circuit Breakers Technical Specifications										
	America Define of		Volts		Turne of	Federal	UL 489 Interrupting Ratings (rms Symmetrical Amperes) (kA)				
Circuit Breaker Type	Ampere Rating at 40°C	10°C Trip* Specification		l	Volts AC (50/60 Hz)						
			AC	DC			240	480	600	250**	
G-Frame	15 -100	3	480	250	N.I.T.U	13b	65	22	-	10	
F-Frame	60 - 225	3	600	250	N.I.T.U	22a	65	35	18	10	
K-Frame	250 - 400	3	600	250	I.T.U	23a	65	35	25	10	
L-Frame	400 - 600	3	600	250	I.T.U	23a	65	35	25	22	

UVAC: undervoltage release

UVDC: undervoltage release

*Note: N.I.T.U denotes non-interchangeable trip unit. I.T.U denotes interchangeable trip unit. **Note: For DC or 1-phase AC applications, use the two outside poles of the 3-pole circuit breaker

Molded Case Circuit Breakers Part Numbering System



Accessory Description Code AUX: auxiliary contact STAC: shunt trip AC STDC: shunt trip DC

Molded Case Circuit Breaker Series (by frame size)G: 15 to 100 AmpF: 60 to 225 AmpK: 250 to 400 AmpL: 400 to 600 Amp

3P Series Molded Case Circuit Breakers 60-225 Amp F-Frame



F3P-200



FHMVD12B





3TA150F6K



3TA225FD

F-Frame circuit breakers are available as a single unit, or with accessories pre-installed only. Accessories are not field installable on this frame size.

This frame size is suitable for reverse feed use. All breakers include base mounting hardware for panel mount applications.

	F-Frai	me Series Three Pole M	olded Case Circuit I	Breakei	'S	
Part Number	Price	Description	Pre-Installed Accessories*	Ampere Rating	Voltage	Interrupt Capacity
<u>F3P-060</u>			None	60		
<u>F3P-070</u>			None	70		
<u>F3P-080</u>		Molded case circuit breaker with non- adjustable thermal magnetic trip; line	None	80		
<u>F3P-090</u>		and load lug terminals included.	None	90		
<u>F3P-100</u>			None	100		
<u>F3P-125</u>			None	125	240VAC 480VAC 600VAC 250VDC**	65kA 35kA 18kA 10kA
<u>F3P-150</u>			None			
F3P-150-AUX		Molded case circuit breaker with non-	auxiliary contact, SPDT			
F3P-150-STAC		adjustable thermal magnetic trip; line	120 VAC shunt trip	150		
F3P-150-STDC		and load lug terminals included.	24 VDC shunt trip			
F3P-150-UVAC			120 VAC undervoltage release			
<u>F3P-175</u>		Molded case circuit breaker with non- adjustable thermal magnetic trip; line and load lug terminals included.	None	175		
<u>F3P-200</u>			None			
F3P-200-AUX		Molded case circuit breaker with non-	auxiliary contact, SPDT			
F3P-200-STAC		adjustable thermal magnetic trip; line	120 VAC shunt trip	200		
F3P-200-STDC		and load lug terminals included.	24 VDC shunt trip			
F3P-200-UVAC			120 VAC undervoltage release			
<u>F3P-225</u>		Molded case circuit breaker with non- adjustable thermal magnetic trip; line and load lug terminals included.	None	225		

*Note: Available accessories are pre-installed on G-Frame and F-Frame Molded Case Circuit Breakers. They are not field installable or interchangeable. **Note: For DC or 1-phase AC applications, use the two outside poles of the 3-pole circuit breaker

		F-Frame Accessory Selection Guide
Part Number	Price	Description
FHMVD12B		NEMA 1/12 rotary handle for F-frame. Position indicating. Lock-off feature. Shaft length: 12"
<u>HM1R12X</u>		NEMA 4/4X rotary handle for F-frame. Position indicating. Lock-off feature. Shaft length: 12"
<u>HM1R24X</u>		NEMA 4/4X rotary handle for F-frame. Position indicating. Lock-off feature. Shaft length: 24"
<u>F1S03C</u>		NEMA 1/12 flex shaft cable operator for F-frame. Flange mountable. Lockable. Cable length: 3'
<u>F1S06C</u>		NEMA 1/12 flex shaft cable operator for F-frame. Flange mountable. Lockable. Cable length: 6'
<u>3TA150F6K</u>		Multi-wire connector to allow 6 wires to be connected to the F-frame. UL for copper only. 14-6 AWG. Package of 3
<u>3TA225FD</u>		Replacement lug kit for F-frame. Package of 3

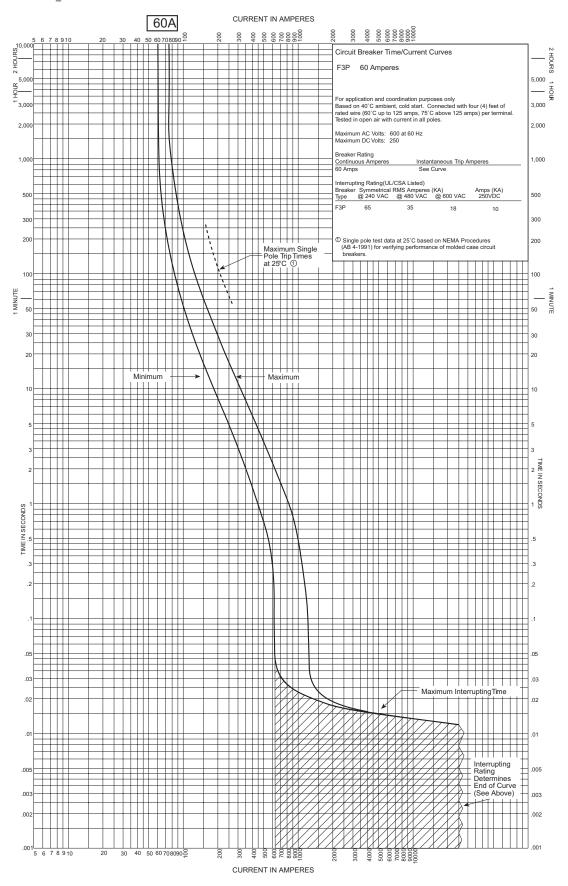
	F-Frame Electrical Ratings 1,2											
	Max Volts	Frequency	Max Amperes	Dielectric Withstand Voltage	Notes							
	125 VAC ³	50/60 Hz	1		1. Endurance: 5000 electrical operations plus							
F-Frame	600 VAC	50/60 Hz	6	0500	4000 mechanical operatons. 2. Pigtail wire size: 18 AWG							
Auxiliary Switch	125 VDC	DC	0.50 ⁴	2500	 Minimum switching circuit capabilities of 100 micro-amperes and 15 VDC minimum. 							
	250 VDC	DC	0.25 ⁴		4. Non-inductive load							

	Supply Voltage	Min Operat	ing Voltage	VA		
F-Frame Shunt Trip	120 VAC	36 \	VAC	570		
	24 VDC	9 V	'DC	400		
		1				
F. France Undersellere	Supply	Dropout	Voltage	Pickup Voltage		VA
F-Frame Undervoltage Release Mechanism	Voltage	Min	Мах	Maxim	um	
	120 VAC	44.5 VAC	77.0 VAC	93.5 V	AC.	1.5

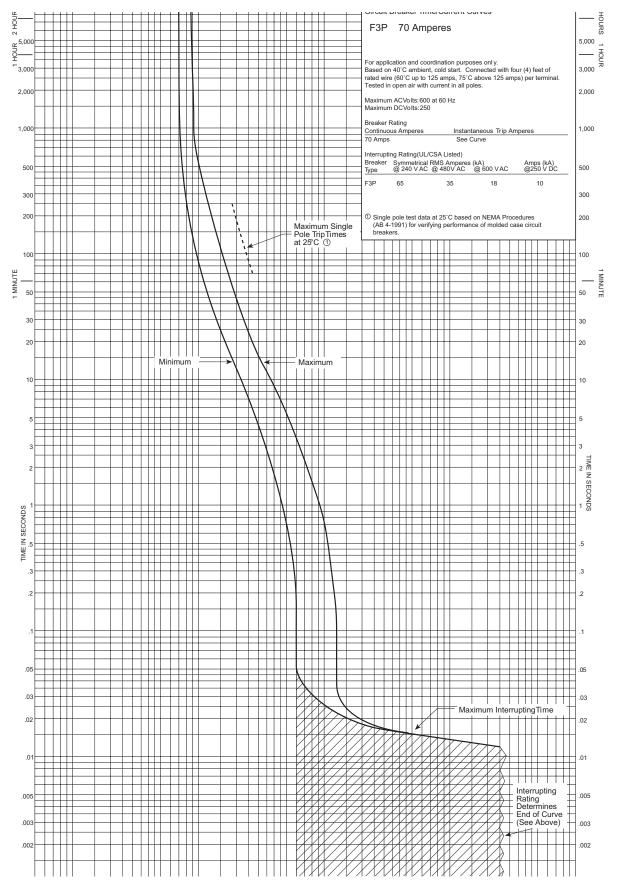
AWG Wire Range Specifications								
en euro				Metric Wire Range mm²				
F-Frame	60 - 100	Cu/AI	14 - 1/0	2.5 - 50				
	125 - 225	Cu/AI	4 - 4/0	25 - 95				

tCPR-33

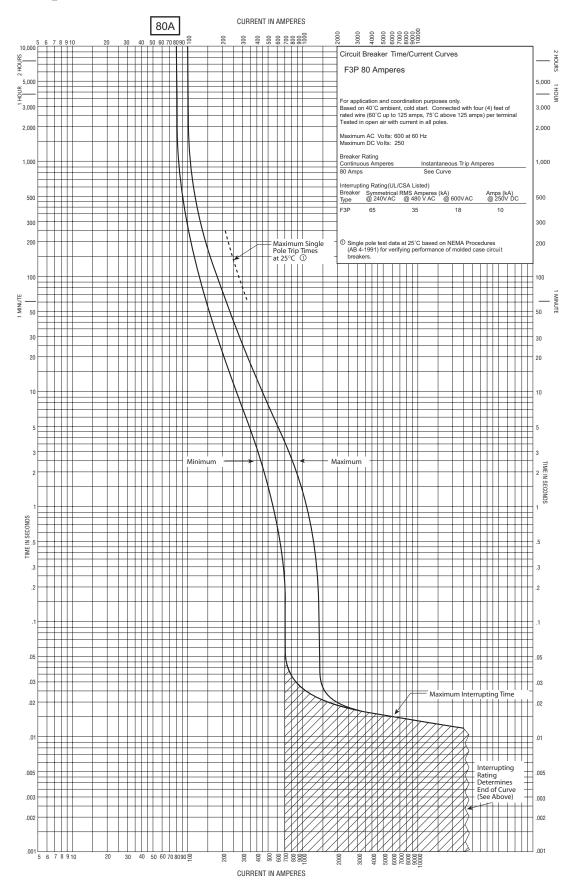
3P Series Molded Case Circuit Breakers 60 Amp F-Frame



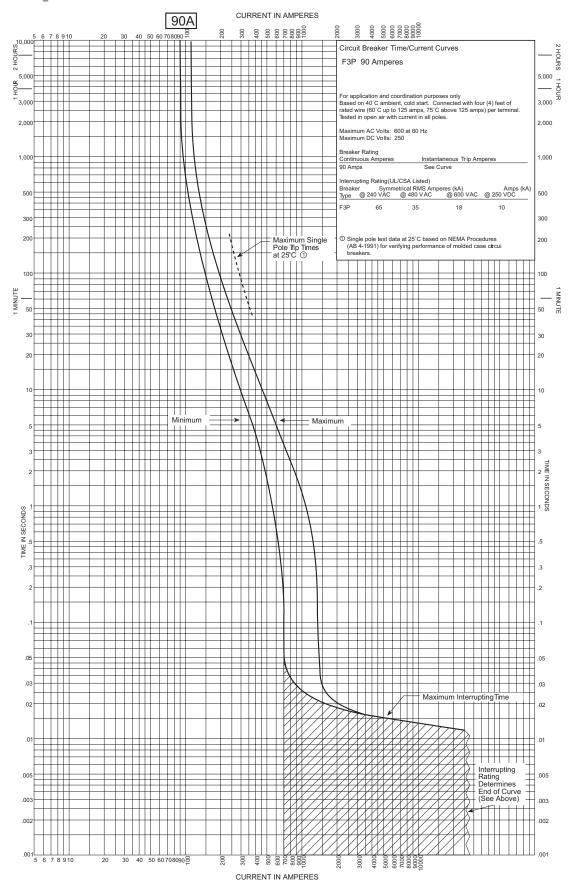
3P Series Molded Case Circuit Breakers 70 Amp F-Frame



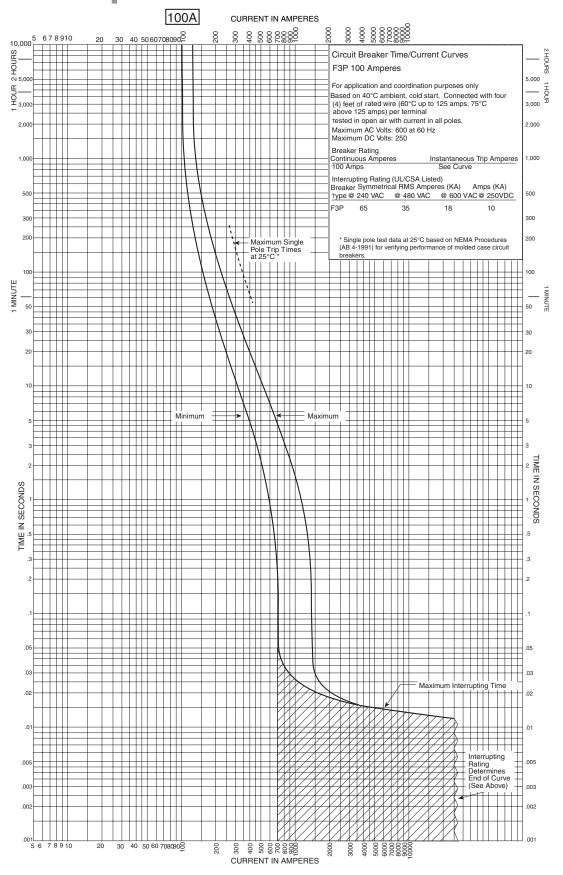
3P Series Molded Case Circuit Breakers 80 Amp F-Frame



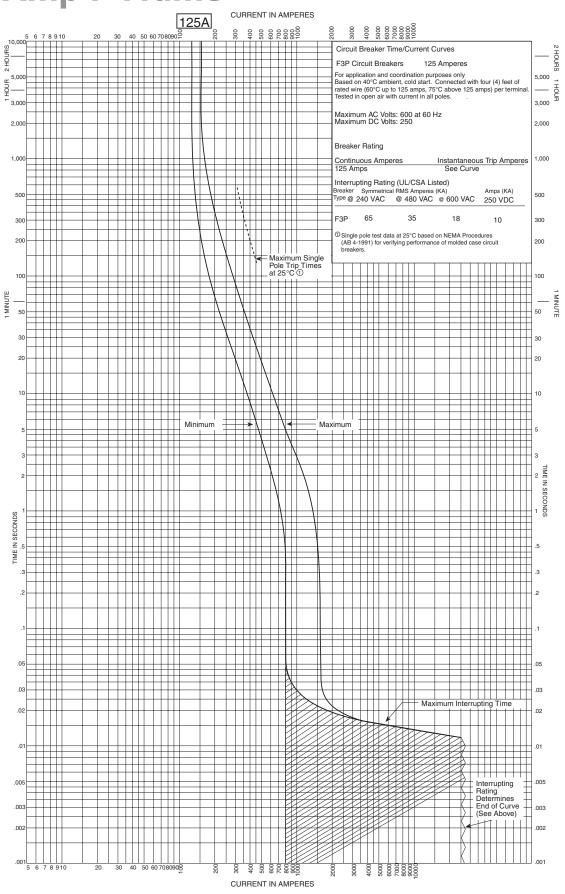
3P Series Molded Case Circuit Breakers 90 Amp F-Frame



3P Series Molded Case Circuit Breakers 100 Amp F-Frame

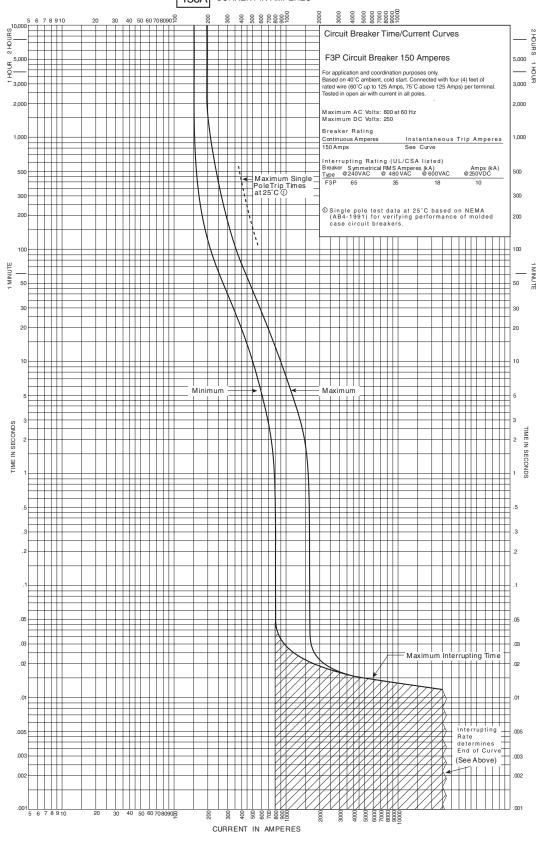


3P Series Molded Case Circuit Breakers 125 Amp F-Frame

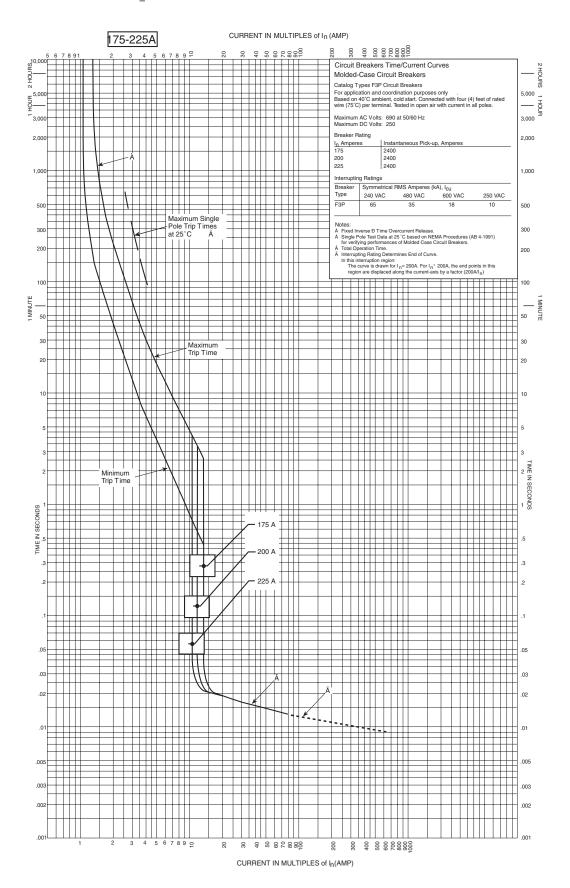


3P Series Molded Case Circuit Breakers 150 Amp F-Frame

150A CURRENT IN AMPERES

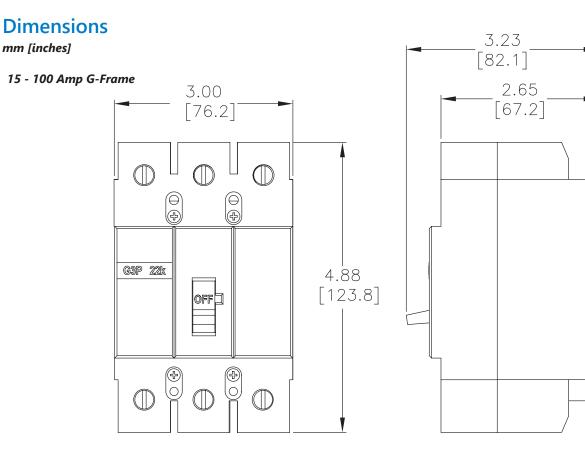


3P Series Molded Case Circuit Breakers 175-225 Amp F-Frame

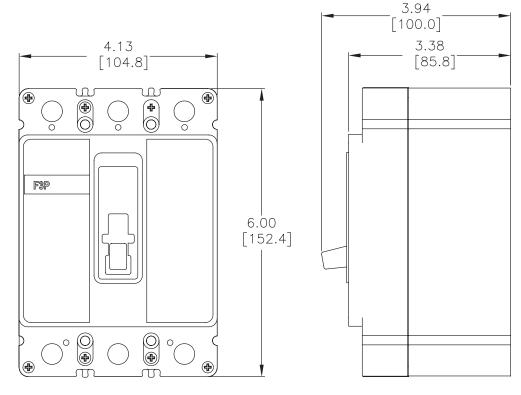


3P Series Molded Case Circuit Breakers Dimensions

Dimensions



60 - 225 Amp F-Frame



3P Series Molded Case Circuit Breakers

Accessories

Accessories





HM1R12X



F0S03C

Rotary Handles

A rotary handle is available for each frame size of molded case circuit breaker.

The C-Series rotary handle (HM) is available for F, K, & L frame molded case breakers. These robust and durable handles include the following features:

- Suitable for use with NEMA 4/4X enclosures
- · Handle, shaft, and mechanism made from all metal parts
- Large handle easily accommodates gloves
- Heavy Duty Metal locking hasp
- Door interlock and defeater
- Standard ON/OFF/Trip markings and a 45-degree rotation
- UL 489, CSA

ŀ

The Universal rotary series handles (HMV) is available for G, F, K, & L frame molded case breakers. These handles include the following features:

- Suitable for use with NEMA 1/12 enclosures
- Composite Nylon handle with metal shaft, and mechanism
- Large handle easily accommodates gloves
- Access Handle Lock-Off by pressing arrow on handle insert
- Door interlock and defeater
- Global ON/OFF markings (I/ON, O/OFF) and TRIP indication on handle plus 90-degree rotation
- UL 489, IEC 947-1/-2, CSA

Rotary Handle Accessory Selection Guide								
Part Number	Price	Description						
GHMVD06B		NEMA 1/12 black rotary handle for G-Frame MCCB. Shaft length: 6in [152.4 mm]						
GHMVD12B		NEMA 1/12 black rotary handle for G-Frame MCCB. Shaft length: 12in [304.8 mm]						
FHMVD12B		NEMA 1/12 black rotary handle for F-Frame MCCB. Shaft length: 12in [304.8 mm]						
<u>HM1R12X</u>		NEMA 4/4X black rotary handle for F-Frame MCCB. Shaft length: 12in [304.8 mm]						
<u>HM1R24X</u>		NEMA 4/4X black rotary handle for F-Frame MCCB. Shaft length: 24in [609.6 mm]						
KHMVD12B		NEMA 1/12 black rotary handle for K-Frame MCCB. Shaft length: 12in [304.8 mm]						
<u>HM3R12X</u>		NEMA 4/4X black rotary handle for K-Frame MCCB. Shaft length: 12in [304.8 mm]						
<u>HM3R24X</u>		NEMA 4/4X black rotary handle for K-Frame MCCB. Shaft length: 24in [609.6 mm]						
LHMVD12B		NEMA 1/12 black rotary handle for L-Frame MCCB. Shaft length: 12in [304.8 mm]						
HM4R12X		NEMA 4/4X black rotary handle for L-Frame MCCB. Shaft length: 12in [304.8 mm]						
HM4R24X		NEMA 4/4X black rotary handle for L-Frame MCCB. Shaft length: 24in [609.6 mm]						

Flex Shaft™ Flexible Handle

Meeting crucial time limits for shutdown procedures is easier with an externally mounted handle. The flexible handle makes it possible to operate the circuit breaker externally and can be used in enclosures of varying depths and heights. It can be used with NEMA 1, NEMA 3R and NEMA 12 enclosures, and it accepts up to three padlock shackles. Each item includes a painted steel handle, breaker operating mechanism, and cable.

Note: A minimum bending radius of four inches is necessary for proper operation.

Flex Shaft™ Flexible Handle Accessory Selection Guide								
Part Number	Price	Description						
<u>F0S03C</u>		NEMA 1/12 flex shaft cable operator for G-Frame MCCB. Cable length: 3ft [0.91 m]						
<u>F0S06C</u>		NEMA 1/12 flex shaft cable operator for G-Frame MCCB. Cable length: 6ft [1.83 m]						
<u>F1S03C</u>		NEMA 1/12 flex shaft cable operator for F-Frame MCCB. Cable length: 3ft [0.91 m]						
<u>F1S06C</u>		NEMA 1/12 flex shaft cable operator for F-Frame MCCB. Cable length: 6ft [1.83 m]						
<u>F3S03C</u>		NEMA 1/12 flex shaft cable operator for K-Frame MCCB. Cable length: 3ft [0.91 m]						
<u>F3S06C</u>		NEMA 1/12 flex shaft cable operator for K-Frame MCCB. Cable length: 6ft [1.83 m]						
<u>F4S04C</u>		NEMA 1/12 flex shaft cable operator for L-Frame MCCB. Cable length: 4ft [1.22 m]						
<u>F4S06C</u>		NEMA 1/12 flex shaft cable operator for L-Frame MCCB. Cable length: 6ft [1.83 m]						



High Performance Flex Shaft[™] Flange Handles

These two-position flange handles feature external front mounting. Models are available for NEMA 1/3R/12 and 4/4X enclosures and for G-frame, F-frame, K-frame or L-frame model MCCBs. All models are lockable in the OFF position and are defeatable. The Flex Shaft handle will accept up to three padlock shackles, each with a maximum diameter of 0.375 in [9.5 mm]. Each item includes a high-strength nylon handle, breaker operating mechanism, and cable.

F0S03HP

Flange Handle Accessory Selection Guide							
Part Number	Price	Description					
F0S03HP		3ft [0.91 m] cable length, NEMA 1/3R/12. For use with G-frame model MCCBs.					
F0S06HP		6ft [1.83 m] cable length, NEMA 1/3R/12. For use with G-frame model MCCBs.					
F1S03HP		3ft [0.91 m] cable length, NEMA 1/3R/12. For use with F-frame model MCCBs.					
F1S06HP		6ft [1.83 m] cable length, NEMA 1/3R/12. For use with F-frame model MCCBs.					
F3S03HP		3ft [0.91 m] cable length, NEMA 1/3R/12. For use with K-frame model MCCBs.					
F3S06HP		6ft [1.83 m] cable length, NEMA 1/3R/12. For use with K-frame model MCCBs.					
F4S04HP		4ft [1.22 m] cable length, NEMA 1/3R/12. For use with L-frame model MCCBs.					
F4S06HP		6ft [1.83 m] cable length, NEMA 1/3R/12. For use with L-frame model MCCBs.					
F0S03HPX		3ft [0.91 m] cable length, NEMA 4/4X. For use with G-frame model MCCBs.					
F0S06HPX		6ft [1.83 m] cable length, NEMA 4/4X. For use with G-frame model MCCBs.					
F1S03HPX		3ft [0.91 m] cable length, NEMA 4/4X. For use with F-frame model MCCBs.					
F1S06HPX		6ft [1.83 m] cable length, NEMA 4/4X. For use with F-frame model MCCBs.					
F3S03HPX		3ft [0.91 m] cable length, NEMA 4/4X. For use with K-frame model MCCBs.					
F3S06HPX		6ft [1.83 m] cable length, NEMA 4/4X. For use with K-frame model MCCBs.					
F4S04HPX		4ft [1.22 m] cable length, NEMA 4/4X. For use with L-frame model MCCBs.					
F4S06HPX		6ft [1.83 m] cable length, NEMA 4/4X. For use with L-frame model MCCBs.					

Note: A minimum bending radius of four inches is necessary for proper operation.

Field Mountable Accessories



A1X3PK

Auxiliary Contact

The auxiliary contact provides circuit breaker contact status information by monitoring the position of the molded cross bar which contains the moving contact arms. The auxiliary switch is used for remote indication and interlock system verification, and consists of one SPDT switch housed in a plug-in module. Each SPDT switch has one 'a' and one 'b' contact. When the circuit breaker contacts are open, the 'a' contact is open and the 'b' contact is closed.

Note: Field installable auxiliary contacts are not available for the G and F frame breakers.

For G and F frame auxiliary contacts, order breakers with -AUX as part of the part number. Please see G and F-frame sections for available selections.

Auxiliary Contact Accessory Selection Guide						
Part Number	Price	Description				
<u>A1X3PK</u>		Field installable auxiliary contact for K-Frame MCCB, SPDT, 18" pigtail leads				
<u>A1X4PK</u>		Field installable auxiliary contact for L-Frame MCCB, SPDT, 18" pigtail leads				

	K-Frame Electrical Ratings 1.2						L-Frame Electrical Ratings 1.2					1,2														
	Max Volts	Frequency	Max Amperes	Dielectric Withstand Voltage	Notes			Max Volts	Frequency	Max Amperes	Dielectric Withstand Voltage	Notes														
	600	50/60 Hz	6		operatons.		600	50/60 Hz	6		1. Endurance: 5000															
K-Frame Auxiliary	125	DC	0.50 ³	2500		plus 1000 mechanical	plus 1000 mechanical	plus 1000 mechanical	plus 1000 mechanical	plus 1000 mechanical	plus 1000 mechanical	plus 1000 mechanical	plus 1000 mechanical	plus 1000 mechanical	plus 1000 mechanical	plus 1000 mechanical	plus 1000 mechanical	plus 1000 mechanical	plus 1000 mechanical		L-Frame	125	DC	0.50 ³	2500	electrical operations plus 1000 mechanical
Switch	250	DC	0.25 ³	2500			Auxiliary Switch	250	DC	0.25 ³	2500	operatons. 2. Pigtail wire size: 18 AWG (0.82 mm ²) 3. Non-inductive load														



UVH3LP21K

Undervoltage Release

This product monitors a voltage (typically a line voltage) and trips the circuit breaker when the voltage falls to between 70% and 35% of the solenoid coil rating. It consists of a continuous rated solenoid, with a plunger and tripping lever mounted in a plug-in module.

Note: The undervoltage release is a pre-installed accessory on G-Frame and F-Frame breakers.

Undervoltage Release Accessory Selection Guide							
Part Number	Price	Description					
UVH3LP08K		Field installable 110 - 127 VAC undervoltage release for K-Frame MCCB					
<u>UVH4LP08K</u>		Field installable 110 - 127 VAC undervoltage release for L-Frame MCCB					
UVH3LP21K		Field installable 24 VDC undervoltage release for K-Frame MCCB					
UVH4LP21K		Field installable 24 VDC undervoltage release for L-Frame MCCB					

	Supply Voltage		pout tage	Pickup Voltage	VA	Notes
K-Frame Undervoltage Release Mechanism	vonaye	Min	Max	Мах		
	24 VDC	8.4	16.8	20.4	3.1	1. Endurance:
	110 VAC ²	44.5		93.5	1.8	5000 electrical operations plus
	120 VAC ²		77.0		2.1	1000 mechanical operatons. 2. 50/60 Hz
	127 VAC ²				2.4	2. 50/60 HZ

	Supply		pout tage	Pickup Voltage	VA	Notes
L-Frame	Voltage	Min	Max	Max		
Undervoltage Release Mechanism	24 VDC	8.4	16.8	20.4	3.1	1. Endurance:
	110 VAC ²	44.5			1.8	5000 electrical operations plus
	120 VAC ²		77.0	93.5	2.1	1000 mechanical operatons. 2. 50/60 Hz
	127 VAC ²					

Field Mountable Accessories

Shunt Trip

The Shunt Trip provides remote controlled tripping of the circuit breaker. Consisting of an intermittent rated solenoid with a tripping plunger and a cutoff switch assembled to a plug-in module, shunt trip coils are designed to be applied at specific AC or DC voltages.

Shunt Trip Accessory Selection Guide				
Part Number	Price	Description		
SNT3P11K		Field installable 110/240 VAC / 110/125 VDC shunt trip for K-Frame MCCB.		
SNT4RP11K		Field installable 110/240 VAC shunt trip for L-Frame MCCB		
SNT3P04K		Field installable 12/24 VAC/DC shunt trip for K-Frame MCCB		
SNT4RP03K		Field installable 12/24 VAC/DC shunt trip for L-Frame MCCB		



SNT3P04K

	Supply Voltage	Min Operating Voltage	VA	Supply Voltage	Min Operating Voltage	VA	Notes
	VA	C 50/60 Hz			VDC		
	12	9	45	12	8.4	35	
K-Frame	24		200	24		170	1. Endurance: 5000 electrical operations
Shunt Trip	110		100	110	77	110	plus 1000 mechanical operatons.
<i>'''</i>	120		120	120	77	130	2. Approx. unlatching time: 6 ms
	127	60	140	125	77	140	Approx. total circuit breaker contact
	208	60	420	-	_	-	opening time: 8 ms
	220		470	_	_	-	
	240		550	_	_	-	

	Supply Voltage	Min Operating Voltage	VA	Supply Voltage	Min Operating Voltage	VA	Notes
	V	VAC 50/60 Hz			VDC		
	12	9	45	12	9	35	1. Endurance: 5000 electrical operations
L-Frame	24		200	24		170	
Shunt Trip	110		100	-	-	-	plus 1000 mechanical operatons.
, mp	120		120 – –	-	-	2. Approx. unlatching time: 6 ms	
	127	60	140	-	_	-	Approx. total circuit breaker contact opening
	208		420	-	_	-	time: 18 ms
	220		470	-	_	-	
	240		550	-	-	_	

Field Mountable Accessories

Six-wire Connector

This is a field installable multi-wire connector which allows six wires to be connected to the load side (OFF) end terminals. It is used to distribute the load from the circuit breaker to multiple devices without the use of separate distribution terminal blocks. UL listed for copper only as used on the load side (OFF) end. Includes mounting hardware, insulators and tin-plated aluminum connectors.

S	Six-wire Connector Accessory Selection Guide				
Part Number	Price	Description			
<u>3TA100G6K</u>		For G-Frame MCCBs. Pkg. of 3. Wire size: 14 - 6 AWG, copper			
<u>3TA150F6K</u>		For F-Frame MCCBs. Pkg. of 3. Wire size: 14 - 6 AWG, copper			



Multi-Wire Box Type Wiring Lug

These multi-wire lugs allow for cost and space savings within a panel and allow for improved short-circuit ratings by eliminating the need for power distribution blocks. Designed for load-side mounting. Choose for G-frame, F-frame, or K-frame model MCCBs. Mounting hardware and insulators included. Package of 3.

Multi-Wire Box Type Wiring Lug Selection Guide				
Part Number	Price	Description		
3TA100G3K		100A, 3 openings, #14-2 AWG copper only. For use with G-frame model MCCBs.		
3TA150F3K		225A, 3 openings, #14-2 AWG copper only. For use with F-frame model MCCBs.		
3TA400K3K		400A, 3 openings, #14-2/0 AWG copper only. For use with K-frame model MCCBs.		
3TA400K6K		400A, 6 openings, #14-3 AWG copper only. For use with K-frame model MCCBs.		

Replacement Lug Kit

Line and load terminals provide wire connecting capabilities for specific ranges of continuous current ratings and wire types. Replacement lugs will accept wire types Cu/AI as standard.

R	Replacement Lug Kit Accessory Selection Guide					
Part Number	Price	Description				
<u>3TA225FD</u>		Replacement lug kit for F-Frame MCCB. Wire range (1) #4-4/0 (25-95 mm ²). Package of (3) terminals.				
<u>3TA401K</u>		Replacement lug kit for K-Frame MCCB. Wire range (2) 2/0-250 kcmil or (1) 2/0- 500 kcmil (70-240 mm ²). 3-pole kit (one terminal per pole and one terminal cover).				
<u>3TA603LDK</u>		Replacement lug kit for L-Frame MCCB. 3-pole kit (one terminal per pole and one terminal cover). Wire range 400-500 AWG (185-240 m ²), 2 conductors.				

Note: G-frame terminals are factory-installed only. No replacement terminals available.

Din Rail Mounting Clip

Din Rail Mount Clip Accessory Selection Guide				
Part Number	Price	Description		
<u>GDIN</u>		Clip for mounting G-Frame to 35 mm Din rail. Mounting hardware included. Pkg of 1		



3TA100G3K





Field Mountable Accessories

NEMA 12 Safety Door Hardware

Type C361 door interlocking safety handle kits are designed for use with AutomationDirect 3P series MCCBs and flexible handle when mounted in an SDN12, or equivalent, enclosure. These handles secure the SDN12 enclosure, protecting against unauthorized entry while the MCCB is in the ON position. Use them on enclosures with right-side flanges only and material thickness from 16 gauge through 3/16 in. All mounting hardware is included for enclosures up to 40in [101.6 cm] tall. The addition of the C361KR roller kit is necessary for enclosures taller than 40in [101.6 cm] that require a 3-point latch. See SDN12 Enclosures section for enclosure specifications.

	Safety	Door Hardware Selection Guide
Part Number	Price	Description
<u>C361KJ4</u>		Handle length: 4in [10.16 cm]. Mounting hardware included for enclosures up to 40in [101.6 cm] tall. For taller enclosures that require a 3-point latch, the C361KR (purchase separately) will also be needed.
<u>C361KJ6</u>		Handle length: 6in [15.24 cm]. Mounting hardware included for enclosures up to 40in [101.6 cm] tall. For taller enclosures that require a 3-point latch, the C361KR (purchase separately) will also be needed.
<u>C361KR</u>		Door interlocking safety roller kit for use with the C361KJ4 and C361KJ6 safety handle kits when the SDN12 series enclosure is taller than 40in [101.6 cm] and 3-point latching is required. Kit includes roller and all hardware.

Note: The 1/4" x 1/2" standard mill rectangular locking bar is not supplied with these kits. The bar is supplied with the enclosures.



Safety Handle shown on enclosure