

**Thermal-Magnetic Circuit Breakers**

SF and SL Circuit Breakers, IEC Rated 415/240 Vac Max.	9-2
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**Electronic Trip Circuit Breakers**

P-frame, 3P, Micrologic™ Electronic-Trip Unit, IEC Rated	9-3
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**Breaking Capacities** 9-7

**Circuit Breaker Dimensions** 9-8

- CE marking.
- S-frame circuit breakers are CCC Certified.
- International products—for export use only.
- MCCBs in I-Line™ plug-on construction and a complete line of accessories are available. Contact your local Field Sales office.
- Order entry point is Cedar Rapids, Iowa.

**Table 9.1: SFAL, Individually-Mounted, IEC Rated Circuit Breakers, 415/240 Vac Max., 50/60 Hz, 1P, 2P, and 3P**

Ampere Rating	1P		2P		3P	
	Cat. No.	\$ Price	Cat. No.	\$ Price	Cat. No.	\$ Price
<b>SFAL ■</b>						
16 A	SFAL1016	450.00	SFAL2016	704.00	SFAL3016	906.00
20 A	SFAL1020	450.00	SFAL2020	704.00	SFAL3020	906.00
32 A	SFAL1032	450.00	SFAL2032	704.00	SFAL3032	906.00
40 A	SFAL1040	450.00	SFAL2040	704.00	SFAL3040	906.00
50 A	SFAL1050	450.00	SFAL2050	704.00	SFAL3050	906.00
63 A	SFAL1063	450.00	SFAL2063	704.00	SFAL3063	906.00
80 A	SFAL1080	510.00	SFAL2080	890.00	SFAL3080	1115.00
100 A	SFAL1100	510.00	SFAL2100	890.00	SFAL3100	1115.00
125 A	—	—	SFAL2125	1076.00	SFAL3125	1262.00
160 A	—	—	SFAL2160	1259.00	SFAL3160	1449.00

**Table 9.2: SLAL Individually-Mounted, IEC Rated Circuit Breakers, 415/240 Vac Max., 50/60 Hz, 2P and 3P**

Frame Size	Circuit Breaker Type	Ampere Rating	2P		3P	
			Cat. No.	\$ Price	Cat. No.	\$ Price
400 A	SLAL ■	250 A	SLAL2250	3807.00	SLAL3250	4619.00
		300 A	SLAL2300	3807.00	SLAL3300	4619.00
		350 A	SLAL2350	3807.00	SLAL3350	4619.00
		400 A	SLAL2400	3807.00	SLAL3400	4619.00

- ▲ DE2A Discount Schedule
- Add suffix K for CCC label



**Table 9.3: P-frame—1600 A, Individually-Mounted, Micrologic™ Electronic Trip Unit, IEC Rated**

Sensor Rating	N Interrupting		H Interrupting		L Interrupting		Terminal Wire Range (AWG–kcmil)
	Cat. No.	\$ Price	Cat. No.	\$ Price	Cat. No.	\$ Price	
<b>3P, 690 Vac 50/60 Hz with LS0 Trip Functions</b>							
630 A	PNLE36063U32R	13958.00	PHLE36063U32R	14792.00	PLLE36063U32R	15626.00	(4) 3/0–500 Al/Cu
800 A	PNLE36080U32R	13958.00	PHLE36080U32R	14792.00	PLLE36080U32R	15626.00	
1000 A	PNLE36100U32R	18843.00	PHLE36100U32R	19985.00	PLLE36100U32R	21128.00	
1250 A	PNLE36125U32R	18843.00	PHLE36125U32R	19985.00	—	—	
1600 A	PNLE36160U32R	20163.00	PHLE36160U32R	21384.00	—	—	
<b>3P, 690 Vac 50/60 Hz with LSI Trip Functions</b>							
630 A	PNLE36063U33R	14280.00	PHLE36063U33R	15114.00	PLLE36063U33R	15947.00	(4) 3/0–500 Al/Cu
800 A	PNLE36080U33R	14280.00	PHLE36080U33R	15114.00	PLLE36080U33R	15947.00	
1000 A	PNLE36100U33R	19166.00	PHLE36100U33R	20309.00	PLLE36100U33R	21450.00	
1250 A	PNLE36125U33R	19166.00	PHLE36125U33R	20309.00	—	—	
1600 A	PNLE36160U33R	20508.00	PHLE36160U33R	21731.00	—	—	
<b>Micrologic Ammeter Trip Unit</b>							
<b>3P, 690 Vac 50/60 Hz with LS0 Trip Functions</b>							
630 A	PNLE36063U42R	14768.00	PHLE36063U42R	15600.00	PLLE36063U42R	16434.00	(4) 3/0–500 Al/Cu
800 A	PNLE36080U42R	14768.00	PHLE36080U42R	15600.00	PLLE36080U42R	16434.00	
1000 A	PNLE36100U42R	19653.00	PHLE36100U42R	20795.00	PLLE36100U42R	21936.00	
1250 A	PNLE36125U42R	19653.00	PHLE36125U42R	20795.00	—	—	
1600 A	PNLE36160U42R	21030.00	PHLE36160U42R	22250.00	—	—	
<b>3P, 690 Vac 50/60 Hz with LSI Trip Functions</b>							
630 A	PNLE36063U43R	16191.00	PHLE36063U43R	17024.00	PLLE36063U43R	17858.00	(4) 3/0–500 Al/Cu
800 A	PNLE36080U43R	16191.00	PHLE36080U43R	17024.00	PLLE36080U43R	17858.00	
1000 A	PNLE36100U43R	21077.00	PHLE36100U43R	22218.00	PLLE36100U43R	23360.00	
1250 A	PNLE36125U43R	21077.00	PHLE36125U43R	22218.00	—	—	
1600 A	PNLE36160U43R	22551.00	PHLE36160U43R	23774.00	—	—	
<b>3P, 690 Vac 50/60 Hz with LSIG Trip Functions</b>							
630 A	PNLE36063U44R	17964.00	PHLE36063U44R	18798.00	PLLE36063U44R	19631.00	(4) 3/0–500 Al/Cu
800 A	PNLE36080U44R	17964.00	PHLE36080U44R	18798.00	PLLE36080U44R	19631.00	
1000 A	PNLE36100U44R	22850.00	PHLE36100U44R	23993.00	PLLE36100U44R	25134.00	
1250 A	PNLE36125U44R	22850.00	PHLE36125U44R	23993.00	—	—	
1600 A	PNLE36160U44R	24450.00	PHLE36160U44R	25671.00	—	—	
<b>Micrologic Power Trip Unit</b>							
<b>3P, 690 Vac 50/60 Hz with LSI Trip Functions</b>							
630 A	PNLE36063U63RE1	20382.00	PHLE36063U63RE1	21216.00	PLLE36063U63RE1	22049.00	(4) 3/0–500 Al/Cu
800 A	PNLE36080U63RE1	20382.00	PHLE36080U63RE1	21216.00	PLLE36080U63RE1	22049.00	
1000 A	PNLE36100U63RE1	25268.00	PHLE36100U63RE1	26409.00	PLLE36100U63RE1	27552.00	
1250 A	PNLE36125U63RE1	25268.00	PHLE36125U63RE1	26409.00	—	—	
1600 A	PNLE36160U63RE1	27036.00	PHLE36160U63RE1	28257.00	—	—	
<b>3P, 690 Vac 50/60 Hz with LSIG Trip Functions</b>							
630 A	PNLE36063U64RE1	21410.00	PHLE36063U64RE1	22244.00	PLLE36063U64RE1	23078.00	(4) 3/0–500 Al/Cu
800 A	PNLE36080U64RE1	21410.00	PHLE36080U64RE1	22244.00	PLLE36080U64RE1	23078.00	
1000 A	PNLE36100U64RE1	26297.00	PHLE36100U64RE1	27437.00	PLLE36100U64RE1	28578.00	
1250 A	PNLE36125U64RE1	26297.00	PHLE36125U64RE1	27437.00	—	—	
1600 A	PNLE36160U64RE1	28136.00	PHLE36160U64RE1	29358.00	—	—	

Note: See Digest for accessories and other information.

**Table 9.4: Interrupting Ratings**

	N		H		L	
	Icu	Ics (%Icu)	Icu	Ics (%Icu)	Icu	Ics (%Icu)
220/240 V	50 kA	75%	70 kA	50%	150 kA	100%
380/415 V	50 kA		70 kA			
440 V	50 kA		65 kA			
500/525 V	40 kA		50 kA			
660/690 V	30 kA		42 kA			



**Table 9.5: R-frame—3200 A, Individually-Mounted, Micrologic™ Electronic Trip Unit, IEC Rated**

Sensor Rating	N Interrupting		H Interrupting	
	Cat. No.	\$ Price	Cat. No.	\$ Price
<b>3P, 690 Vac 50/60 Hz with LS0 Trip Functions</b>				
1600 A	RNFE36160U32R	22004.00	RHFE34160U32R	23120.00
2000 A	RNFE36200U32R	22004.00	RHFE34200U32R	23120.00
2500 A	RNFE36250U32R	34607.00	RHFE34250U32R	36384.00
3200 A	RNFE36320U32R	34607.00	RHFE34320U32R	36384.00
<b>3P, 690 Vac 50/60 Hz with LSI Trip Functions</b>				
1600 A	RNFE36160U33R	22326.00	RHFE34160U33R	23441.00
2000 A	RNFE36200U33R	22326.00	RHFE34200U33R	23441.00
2500 A	RNFE36250U33R	34929.00	RHFE34250U33R	36707.00
3200 A	RNFE36320U33R	34929.00	RHFE34320U33R	36707.00
<b>Micrologic Ammeter Trip Unit</b>				
<b>3P, 690 Vac 50/60 Hz with LS0 Trip Functions</b>				
1600 A	RNFE36160U42R	22812.00	RHFE34160U42R	23928.00
2000 A	RNFE36200U42R	22812.00	RHFE34200U42R	23928.00
2500 A	RNFE36250U42R	35414.00	RHFE34250U42R	37194.00
3200 A	RNFE36320U42R	35414.00	RHFE34320U42R	37194.00
<b>3P, 690 Vac 50/60 Hz with LSI Trip Functions</b>				
1600 A	RNFE36160U43R	24234.00	RHFE34160U43R	25352.00
2000 A	RNFE36200U43R	24234.00	RHFE34300U43R	25352.00
2500 A	RNFE36250U43R	36837.00	RHFE34350U43R	38618.00
3200 A	RNFE36320U43R	36837.00	RHFE34320U43R	38618.00
<b>3P, 690 Vac 50/60 Hz with LSIG Trip Functions</b>				
1600 A	RNFE36160U44R	26010.00	RHFE34160U44R	27126.00
2000 A	RNFE36200U44R	26010.00	RHFE34200U44R	27126.00
2500 A	RNFE36250U44R	38612.00	RHFE34250U44R	41199.00
3200 A	RNFE36320U44R	38612.00	RHFE34320U44R	41199.00
<b>Micrologic Power Trip Unit</b>				
<b>3P, 690 Vac 50/60 Hz with LSI Trip Functions</b>				
1600 A	RNFE36160U63RE1	28425.00	RHFE34160U63RE1	29543.00
2000 A	RNFE36200U63RE1	28425.00	RHFE34200U63RE1	29543.00
2500 A	RNFE36250U63RE1	41030.00	RHFE34250U63RE1	42809.00
3200 A	RNFE36320U63RE1	41030.00	RHFE34320U63RE1	42809.00
<b>3P, 690 Vac 50/60 Hz with LSIG Trip Functions</b>				
1600 A	RNFE36160U64RE1	29454.00	RHFE34160U64RE1	30572.00
2000 A	RNFE36200U64RE1	29454.00	RHFE34200U64RE1	30572.00
2500 A	RNFE36250U64RE1	42057.00	RHFE34250U64RE1	43836.00
3200 A	RNFE36320U64RE1	42057.00	RHFE34320U64RE1	48386.00

Note: See Digest for accessories and other information.

**Table 9.6: Interrupting Ratings**

	N		H	
	Icu	Ics	Icu	Ics (%Icu)
220/240 V	85 kA	75%	125 kA	75%
380/415 V	70 kA		85 kA	
440 V	65 kA	100%	85 kA	
500/525 V	65 kA		—	
660/690 V	65 kA		—	



**Table 9.7: P-frame—1600 A, Individually-Mounted, Micrologic™ Electronic Trip Unit, IEC Rated**

Sensor Rating	N Interrupting		H Interrupting		L Interrupting		Terminal Wire Range (AWG–kcmil)
	Cat. No.	\$ Price	Cat. No.	\$ Price	Cat. No.	\$ Price	
<b>4P, 690 Vac 50/60 Hz with LS0 Trip Functions</b>							
630 A	PNLE46063U32R	17307.00	PHLE46063U32R	18341.00	PLLE46063U32R	19376.00	(4) 3/0–500 Al/Cu
800 A	PNLE46080U32R	17307.00	PHLE46080U32R	18341.00	PLLE46080U32R	19376.00	
1000 A	PNLE46100U32R	23367.00	PHLE46100U32R	24783.00	PLLE46100U32R	26198.00	
1250 A	PNLE46125U32R	23367.00	PHLE46125U32R	24783.00	—	—	
1600 A	PNLE46160U32R	25002.00	PHLE46160U32R	26517.00	—	—	
<b>4P, 690 Vac 50/60 Hz with LSI Trip Functions</b>							
630 A	PNLE46063U33R	17708.00	PHLE46063U33R	18741.00	PLLE46063U33R	19776.00	(4) 3/0–500 Al/Cu
800 A	PNLE46080U33R	17708.00	PHLE46080U33R	18741.00	PLLE46080U33R	19776.00	
1000 A	PNLE46100U33R	23768.00	PHLE46100U33R	25182.00	PLLE46100U33R	26598.00	
1250 A	PNLE46125U33R	23768.00	PHLE46125U33R	25182.00	—	—	
1600 A	PNLE46160U33R	25430.00	PHLE46160U33R	26945.00	—	—	
<b>Micrologic Ammeter Trip Unit</b>							
<b>4P, 690 Vac 50/60 Hz with LS0 Trip Functions</b>							
630 A	PNLE46063U42R	18311.00	PHLE46063U42R	19344.00	PLLE46063U42R	20378.00	(4) 3/0–500 Al/Cu
800 A	PNLE46080U42R	18311.00	PHLE46080U42R	19344.00	PLLE46080U42R	20378.00	
1000 A	PNLE46100U42R	24371.00	PHLE46100U42R	25787.00	PLLE46100U42R	27201.00	
1250 A	PNLE46125U42R	24371.00	PHLE46125U42R	25787.00	—	—	
1600 A	PNLE46160U42R	26076.00	PHLE46160U42R	27591.00	—	—	
<b>4P, 690 Vac 50/60 Hz with LSI Trip Functions</b>							
630 A	PNLE46063U43R	20076.00	PHLE46063U43R	21110.00	PLLE46063U43R	22143.00	(4) 3/0–500 Al/Cu
800 A	PNLE46080U43R	20076.00	PHLE46080U43R	21110.00	PLLE46080U43R	22143.00	
1000 A	PNLE46100U43R	26135.00	PHLE46100U43R	27551.00	PLLE46100U43R	28967.00	
1250 A	PNLE46125U43R	26135.00	PHLE46125U43R	27551.00	—	—	
1600 A	PNLE46160U43R	27964.00	PHLE46160U43R	29480.00	—	—	
<b>4P, 690 Vac 50/60 Hz with LSIG Trip Functions</b>							
630 A	PNLE46063U44R	22277.00	PHLE46063U44R	23310.00	PLLE46063U44R	24344.00	(4) 3/0–500 Al/Cu
800 A	PNLE46080U44R	22277.00	PHLE46080U44R	23310.00	PLLE46080U44R	24344.00	
1000 A	PNLE46100U44R	28335.00	PHLE46100U44R	29750.00	PLLE46100U44R	31166.00	
1250 A	PNLE46125U44R	28335.00	PHLE46125U44R	29750.00	—	—	
1600 A	PNLE46160U44R	30317.00	PHLE46160U44R	31833.00	—	—	
<b>Micrologic Power Trip Unit</b>							
<b>4P, 690 Vac 50/60 Hz with LSI Trip Functions</b>							
630 A	PNLE46063U63RE1	25274.00	PHLE46063U63RE1	26307.00	PLLE46063U63RE1	27341.00	(4) 3/0–500 Al/Cu
800 A	PNLE46080U63RE1	25274.00	PHLE46080U63RE1	26307.00	PLLE46080U63RE1	27341.00	
1000 A	PNLE46100U63RE1	31332.00	PHLE46100U63RE1	32748.00	PLLE46100U63RE1	34164.00	
1250 A	PNLE46125U63RE1	31332.00	PHLE46125U63RE1	32748.00	—	—	
1600 A	PNLE46160U63RE1	33525.00	PHLE46160U63RE1	35039.00	—	—	
<b>4P, 690 Vac 50/60 Hz with LSIG Trip Functions</b>							
630 A	PNLE46063U64RE1	26549.00	PHLE46063U64RE1	27582.00	PLLE46063U64RE1	28614.00	(4) 3/0–500 Al/Cu
800 A	PNLE46080U64RE1	26549.00	PHLE46080U64RE1	27582.00	PLLE46080U64RE1	28614.00	
1000 A	PNLE46100U64RE1	32606.00	PHLE46100U64RE1	34022.00	PLLE46100U64RE1	35438.00	
1250 A	PNLE46125U64RE1	32606.00	PHLE46125U64RE1	34022.00	—	—	
1600 A	PNLE46160U64RE1	34890.00	PHLE46160U64RE1	36404.00	—	—	

Note: See Digest for accessories and other information.

**Table 9.8: Interrupting Ratings**

	N		H		L	
	Icu	Ics (%Icu)	Icu	Ics (%Icu)	Icu	Ics (%Icu)
220/240 V	50 kA	75%	70 kA	50%	150 kA	100%
380/415 V	50 kA		70 kA			
440 V	50 kA		65 kA			
500/525 V	40 kA		50 kA			
660/690 V	30 kA		42 kA			



**Table 9.9: R-frame—3200 A, Individually-Mounted, Micrologic™ Electronic Trip Unit, IEC Rated**

Sensor Rating	N Interrupting		H Interrupting	
	Cat. No.	\$ Price	Cat. No.	\$ Price
<b>4P, 690 Vac 50/60 Hz with LS0 Trip Functions</b>				
1600 A	RNFE46160U32R	27284.00	RHFE44160U32R	28667.00
2000 A	RNFE46200U32R	27284.00	RHFE44200U32R	28667.00
2500 A	RNFE46250U32R	42911.00	RHFE44250U32R	45117.00
3200 A	RNFE46320U32R	42911.00	RHFE44320U32R	45117.00
<b>4P, 690 Vac 50/60 Hz with LSI Trip Functions</b>				
1600 A	RNFE46160U33R	27684.00	RHFE44160U33R	29067.00
2000 A	RNFE46200U33R	27684.00	RHFE44200U33R	29067.00
2500 A	RNFE46250U33R	43311.00	RHFE44250U33R	45518.00
3200 A	RNFE46320U33R	43311.00	RHFE44320U33R	45518.00
<b>Micrologic Ammeter Trip Unit</b>				
<b>4P, 690 Vac 50/60 Hz with LS0 Trip Functions</b>				
1600 A	RNFE46160U42R	28287.00	RHFE44160U42R	29670.00
2000 A	RNFE46200U42R	28287.00	RHFE44200U42R	29670.00
2500 A	RNFE46250U42R	43914.00	RHFE44250U42R	46119.00
3200A	RNFE46320U42R	43914.00	RHFE44320U42R	46119.00
<b>4P, 690 Vac 50/60 Hz with LSI Trip Functions</b>				
1600 A	RNFE46160U43R	30051.00	RHFE44160U43R	31436.00
2000 A	RNFE46200U43R	30051.00	RHFE44300U43R	31436.00
2500 A	RNFE46250U43R	45678.00	RHFE44350U43R	47885.00
3200 A	RNFE46320U43R	45678.00	RHFE44320U43R	47885.00
<b>4P, 690 Vac 50/60 Hz with LSIG Trip Functions</b>				
1600 A	RNFE46160U44R	32252.00	RHFE44160U44R	33636.00
2000 A	RNFE46200U44R	32252.00	RHFE44200U44R	33636.00
2500 A	RNFE46250U44R	47879.00	RHFE44250U44R	51087.00
3200 A	RNFE46320U44R	47879.00	RHFE44320U44R	51087.00
<b>Micrologic Power Trip Unit</b>				
<b>4P, 690 Vac 50/60 Hz with LSI Trip Functions</b>				
1600 A	RNFE46160U63RE1	35249.00	RHFE44160U63RE1	36633.00
2000 A	RNFE46200U63RE1	35249.00	RHFE44200U63RE1	36633.00
2500 A	RNFE46250U63RE1	50876.00	RHFE44250U63RE1	53082.00
3200 A	RNFE46320U63RE1	50876.00	RHFE44320U63RE1	53082.00
<b>4P, 690 Vac 50/60 Hz with LSIG Trip Functions</b>				
1600 A	RNFE46160U64RE1	36522.00	RHFE44160U64RE1	37907.00
2000 A	RNFE46200U64RE1	36522.00	RHFE44200U64RE1	37907.00
2500 A	RNFE46250U64RE1	52152.00	RHFE44250U64RE1	54357.00
3200 A	RNFE46320U64RE1	52152.00	RHFE44320U64RE1	54357.00

Note: See Digest for accessories and other information.

**Table 9.10: Interrupting Ratings**

	N		H	
	Icu	Ics	Icu	Ics (%Icu)
220/240 V	85 kA	75%	125 kA	75%
380/415 V	70 kA		85 kA	
440 V	65 kA	85 kA		
500/525 V	65 kA	—		
660/690 V	65 kA	—		

## Breaking Capacities

- CE Marking
- International products—IEC 60947-2 rated. North American products are dual rated, UL 489 and IEC 60947-2.
- MCCBs in I-Line™ plug-on construction and a complete line of accessories are available. Contact your nearest Field Sales office.
- Order entry point is Cedar Rapids, Iowa.

**Table 9.11: Circuit Breaker Breaking Capacities**

Circuit Breaker Cat. Prefix		Current Rating (Amps)	Short-circuit Ratings (415 Vac)			Isolator Rating	Impulse Rating $U_{imp}$ (kV)	Insulation Rating $U_i$ (Vac)
International	North America		Ultimate	Service	Withstand			
			$I_{cu}$	$I_{cs}$	$I_{cw}$			
—	FA, FH	15–100 A	10 kA	2.5 kA	N/A	Yes	6	750
—	FA, FH (1 pole)▲	15–100 A	18 kA	9 kA	N/A	Yes	6	750
SFA (1 pole)▲	—	16–100 A	25 kA	12.5 kA	N/A	Yes	6	750
SFA■	—	16–160 A	25 kA	12.5 kA	N/A	Yes	6	750
—	FC	15–100 A	10 kA	2.5 kA	N/A	Yes	6	750
SFH	—	16–63 A	65 kA	50 kA	N/A	Yes	6	750
—	—	80–100 A	65 kA	33 kA	N/A	Yes	6	750
—	QB◆	70–250 A★	10 kA	5 kA	N/A	Yes	6	750
—	LA	125–400 A	20 kA	5 kA	N/A	Yes	6	750
SLA	—	250–400 A	36 kA	18 kA	N/A	Yes	6	750
LC	LC	300–400 A	65 kA	65 kA	N/A	Yes	6	750
—	—	450–630 A	65 kA	50 kA	N/A	Yes	6	750
—	LH	125–400 A	20 kA	5 kA	N/A	Yes	6	750
—	PG	250–1200 A	35 kA	17.5 kA	25 kA	Yes	6	750
	PJ		50 kA	25 kA	10 kA			
	PL		85 kA	42.5 kA	10 kA			
	PK		50 kA	25 kA	25 kA			
—	RG	600–2500 A	35 kA	17.5 kA	32 kA	Yes	6	750
	RJ		50 kA	25 kA	32 kA			
	RL		85 kA	42.5 kA	32 kA			
	RK		70 kA	52.5 kA	32 kA			
—	PA	600–2000 A	50 kA	38 kA	N/A	No	6	750
—	PC, PH	600–2500 A	70 kA	53 kA	N/A	No	6	750
PE, PX	PE, PX	600–2500 A	70 kA	53 kA	12.5	No	6	750

- ▲ Single pole ratings are 240 V.
- SFA 2 & 3 pole marked Line and Load.
- ◆ IEC rating 415Y/240 Vac; NEMA/UL rating 240 Vac.
- ★ 250 A lugs are suitable for copper conductors only.

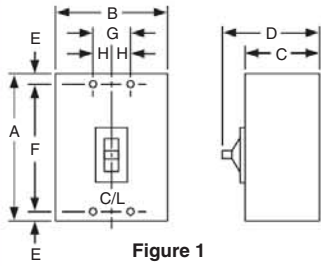


Figure 1

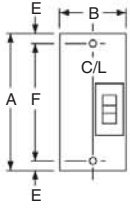


Figure 2

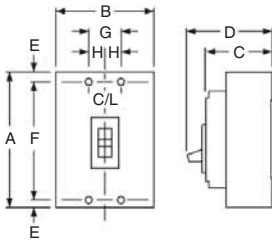


Figure 3

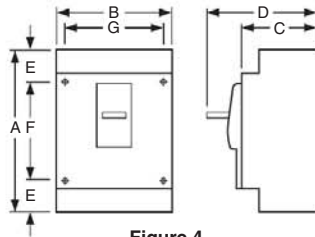


Figure 4

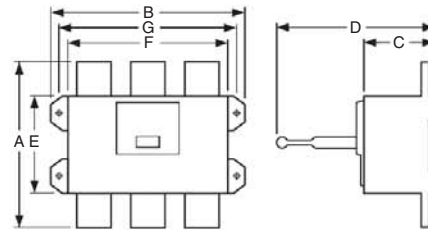


Figure 5

- CE Marking
- International products—IEC 60947-2 rated. North American products are dual rated, UL 489 and IEC 60947-2.
- MCCBs in I-Line™ plug-on construction and a complete line of accessories are available. Contact your nearest Field Sales office.
- Order entry point is Cedar Rapids, Iowa.

**Table 9.12: Dimensions**

Circuit Breaker	No. Poles	Fig. No.	Dimensions – mm							
			A	B	C	D	E	F	G	H
SFA, SFH/FS, FH	3	1	152	114	80	105	11	130	38	19
SLA/LA, LH	3	1	279	152	103	148	22	235	51	25
QB	2	2	164	76	77	100	▲	108	—	—
	3	3	164	114	77	100	▲	108	38	19
PG, PJ, PL	2, 3	4	414	210	140	204	106	200	200	—
RG, RJ, RL	2, 3	5	381	420	160	365	222	362	390	—

▲ Dimensions E are 40 mm at ON end and 16 mm at OFF end.